
OZ Viewer

Developer's Help



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Welcome to OZ Viewer

Welcome to OZ Viewer, which supports the best report service environment.

OZ Viewer provides a variety of viewers, including EXE(ActiveX), HTML5(PC/Mobile), Android, and iOS, so that you can view reports in multiple environments regardless of operating system or browser environment.

From now on, "EXE(ActiveX) Viewer" will be referred to as "EXE Viewer".

System Requirements

EXE Viewer

- Windows 10 or later

HTML5 Viewer

- Operating system and web browser that supports the HTML5 standard

Android Viewer

- Android 8 or later

iOS Viewer

- iOS 11.3 or later and Xcode 13 or later

Things to know in advance

EXE Viewer

- Intermediate or higher knowledge of web page creation such as JSP and ASP

HTML5 Viewer

- Intermediate or higher knowledge of web page creation such as JSP and ASP

Android Viewer

- Intermediate or higher knowledge of Eclipse

iOS Viewer

- Intermediate or higher knowledge of Xcode

Viewer Parameter

This chapter describes the Viewer parameters.

arrow

Sets the properties of the callouts-arrow.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
arrow.arrowshape	○	○	X	X	X
arrow.arrowsize	○	○	X	X	X
arrow.arrowtype	○	○	X	X	X
arrow.changeable	○	○	X	X	X
arrow.exporthoption	○	○	X	X	X
arrow.linecolor	○	○	X	X	X
arrow.linedash	○	○	X	X	X
arrow.linethickness	○	○	X	X	X
arrow.linetype	○	○	X	X	X
arrow.movable	○	○	X	X	X
arrow.multiscreen_visible_type	○	X	X	X	X
arrow.printable	○	○	X	X	X
arrow.tooltiptext	○	○	X	X	X

○ Only e-Form

arrow.arrowshape

Sets the arrow shape.

Values

circle	Circle
diamond	Diamond
opentriangle	Open triangle
semicircle	Semicircle
sharptriangle	Sharp triangle
triangle	Triangle(The default value)

arrow.arrowsize

Sets the arrow size.

Reference

The default value is 10.

arrow.arrowtype

The direction of the arrow point.

Values

both	Both directions
normal	Right or down(The default value)

reverse	Left or up
---------	------------

arrow.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
false	Unchangeable

arrow.exportoption

Sets whether to include arrows when saving reports.

Values

all	Always saved regardless of the file format
byprintable	Follows the settings set for printing arrows in a report(The default value)
doc	Includes arrows when saving in the DOC format
docx	Includes arrows when saving in the DOCX format
gif	Includes arrows when saving in the GIF format
gul	Includes arrows when saving in the GUL format
hml	Includes arrows when saving in the HML and HWP formats
html	Includes arrows when saving in the HTML format

hwp	Includes arrows when saving in the HWP format
hwp	Includes arrows when saving in the HWPX format
jpg	Includes arrows when saving in the JPG format
mht	Includes arrows when saving in the MHT format
nothing	Does not save arrows in all file format
odt	Includes arrows when saving in the ODT format
pdf	Includes arrows when saving in the PDF format
png	Includes arrows when saving in the PNG format
ppt	Includes arrows when saving in the PPT format
svg	Includes arrows when saving in the SVG format
tif	Includes arrows when saving in the TIF format
xls	Includes arrows when saving in the XLS format
xlsx	Includes arrows when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

arrow.linecolor

Sets the line color.

Reference

The default value is "000000".

arrow.linedash

Sets the dotted line option.

Reference

Set to the "length interval" format.

arrow.linethickness

Sets the line thickness.

Reference

The default value is 1.

arrow.linetype

Sets the line type.

Values

backslash	Back slash(The default value)
horizontal	Horizontal
slash	Slash
vertical	Vertical

arrow.movable

Sets whether movable or not.

Values

true	Movable(The default value)
false	Unmovable

arrow.multiscreen_visible_type

Sets the arrow visible type in a multi-screen environment.

Values

always	The arrow is displayed in both screens(The default value)
mainscreenonly	The arrow is displayed only in the main screen
subscreenonly	The arrow is displayed only in the sub-screen

arrow.printable

Sets whether to print arrows in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the arrow.

arrow.tooltiptext

Sets the tooltip text.

bankbook

Sets the bankbook options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
bankbook.linethick1	O	O	X	X	X
bankbook.linethick2	O	O	X	X	X

bankbook.linethick1

Sets the linethick1 of the bankbook options.

Reference

The default value is 0.2.

bankbook.linethick2

Sets the linethick2 of the bankbook options.

Reference

The default value is 0.3.

checkmark

Sets the properties of the callouts-checkmark.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
checkmark.changeable	○	○	X	X	X
checkmark.exportoption	○	○	X	X	X
checkmark.linecolor	○	○	X	X	X
checkmark.linethickness	○	○	X	X	X
checkmark.movable	○	○	X	X	X
checkmark.multiscreen_visible_type	○	X	X	X	X
checkmark.printable	○	○	X	X	X
checkmark.tooltiptext	○	○	X	X	X

○ Only e-Form

checkmark.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
------	-------------------------------

false	Unchangeable
-------	--------------

checkmark.exportoption

Sets whether to include checkmarks when saving reports.

Values

all	Always saved regardless of the file format
byprintable	Follows the settings set for printing checkmarks in a report(The default value)
doc	Includes checkmarks when saving in the DOC format
docx	Includes checkmarks when saving in the DOCX format
gif	Includes checkmarks when saving in the GIF format
gul	Includes checkmarks when saving in the GUL format
hml	Includes checkmarks when saving in the HML and HWP formats
html	Includes checkmarks when saving in the HTML format
hwp	Includes checkmarks when saving in the HWPX format
jpg	Includes checkmarks when saving in the JPG format
mht	Includes checkmarks when saving in the MHT format
nothing	Does not save checkmarks in all file format
odt	Includes checkmarks when saving in the ODT format
pdf	Includes checkmarks when saving in the PDF format
png	Includes checkmarks when saving in the PNG format

ppt	Includes checkmarks when saving in the PPT format
svg	Includes checkmarks when saving in the SVG format
tif	Includes checkmarks when saving in the TIF format
xls	Includes checkmarks when saving in the XLS format
xlsx	Includes checkmarks when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

checkmark.linecolor

Sets the line color.

Reference

The default value is "000000".

checkmark.linethickness

Sets the line thickness.

Reference

The default value is 1.

checkmark.movable

Sets whether movable or not.

Values

true	Movable(The default value)
false	Unmovable

checkmark.multiscreen_visible_type

Sets the checkmark visible type in a multi-screen environment.

Values

always	The checkmark is displayed in both screens(The default value)
mainscreenonly	The checkmark is displayed only in the main screen
subscreenonly	The checkmark is displayed only in the sub-screen

checkmark.printable

Sets whether to print checkmark in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the checkmark.

checkmark.tooltiptext

Sets the tooltip text.

circle

Sets the properties of the callouts-circle.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
circle.bordercolor	○	○	X	X	X
circle.borderthickness	○	○	X	X	X
circle.changeable	○	○	X	X	X
circle.exportoption	○	○	X	X	X
circle.fillcolor	○	○	X	X	X
circle.movable	○	○	X	X	X
circle.multiscreen_visible_type	○	X	X	X	X
circle.printable	○	○	X	X	X
circle.tooltiptext	○	○	X	X	X
circle.transparent	○	○	X	X	X

○ Only e-Form

circle.bordercolor

Sets the border color.

Reference

The default value is "000000".

circle.borderthickness

Sets the border thickness.

Reference

The default value is "1".

circle.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
false	Unchangeable

circle.exporthoption

Sets whether to include circles when saving reports.

Values

all	Always saved regardless of the file format
-----	--

byprintable	Follows the settings set for printing circles in a report(The default value)
doc	Includes circles when saving in the DOC format
docx	Includes circles when saving in the DOCX format
gif	Includes circles when saving in the GIF format
gul	Includes circles when saving in the GUL format
hml	Includes circles when saving in the HML and HWP formats
html	Includes circles when saving in the HTML format
hwp	Includes circles when saving in the HWP format
jpg	Includes circles when saving in the JPG format
mht	Includes circles when saving in the MHT format
nothing	Does not save circles in all file format
odt	Includes circles when saving in the ODT format
pdf	Includes circles when saving in the PDF format
png	Includes circles when saving in the PNG format
ppt	Includes circles when saving in the PPT format
svg	Includes circles when saving in the SVG format
tif	Includes circles when saving in the TIF format
xls	Includes circles when saving in the XLS format
xlsx	Includes circles when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

circle.fillcolor

Sets the background color.

Reference

The default value is "FFFFFF".

circle.movable

Sets whether movable or not.

Values

true	Movable(The default value)
false	Unmovable

circle.multiscreen_visible_type

Sets the circle visible type in a multi-screen environment.

Values

always	The circle is displayed in both screens(The default value)
mainscreenonly	The circle is displayed only in the main screen
subscreenonly	The circle is displayed only in the sub-screen

circle.printable

Sets whether to print circles in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the circle.

circle.tooltiptext

Sets the tooltip text.

circle.transparent

Sets whether the background is transparent or not.

Values

true	Is transparent
false	Is opaque(The default value)

comment

Sets the options of the edit or comments mode.

The Android/iOS Viewer, it is referred to as edit mode, other viewers, it is referred to as comments mode.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
comment.all			X		
comment.autohide	X	X	X		
comment.bgcolor			X	X	X
comment.clear			X		
comment.colorbuttons			X		
comment.confirmclear			X		
comment.drawborder			X		
comment.drawborder_color			X		
comment.drawborder_colors			X	X	X
comment.drawborder_thick			X		
comment.drawborder_transparency			X		
comment.eraser			X		
comment.fillbackground			X		
comment.fillbackground_color			X		
comment.fillbackground_colors			X	X	X

comment.fillbackground_transparency	O	O	X	O	O
comment.hideatinputmode	O	O	X	O	O
comment.highlightpen	O	O	X	O	O
comment.highlightpen_color	O	O	X	O	O
comment.highlightpen_colors	O	O	X	X	X
comment.highlightpen_thick	O	O	X	O	O
comment.highlightpen_transparency	O	O	X	O	O
comment.mode	O	O	X	O	O
comment.only_draw_with_stylus_pen	X	X	X	O	O
comment.pen	O	O	X	O	O
comment.pen_color	O	O	X	O	O
comment.pen_colors	O	O	X	X	X
comment.pen_thick	O	O	X	O	O
comment.selectedpen	O	O	X	O	O
comment.sizebuttons	O	O	X	O	O

O Only e-Form

comment.all

Sets whether to display the edit or comments mode icon.

Values

true	Display
------	---------

false	Do not display(The default value)
-------	-----------------------------------

Reference

In the Android/iOS Viewer, the edit mode icon is displayed on the main toolbar.

In other viewers, the comments mode icon is displayed on the main toolbar and the [Comments mode] menu is displayed on the pop-up menu in the viewer window.

comment.autohide

Sets whether to automatically hide the edit toolbar.

Values

true	Hide automatically(The default value)
false	Hides or shows the toolbar when you tap the report

comment.bgcolor

Sets the background color of the comment toolbar.

Reference

The default value is "F0F0F0".

comment.clear

Sets whether to display the "Delete all" icon on the edit or comment toolbar.

Values

true	Display(The default value)
false	Do not display

comment.colorbuttons

Sets whether to enable or display the color buttons.

Values

true	In the Android/iOS Viewer, enables the color buttons. In other viewers, displays the color buttons(The default value)
false	In the Android/iOS Viewer, disables the color buttons. In other viewers, does not display the color buttons

comment.confirmclear

Sets whether to display the confirmation window when the "Delete all" icon is clicked.

Values

true	Display
false	Do not display(The default value)

comment.drawborder

Sets whether to display draw border icon.

Values

true	Display
false	Do not display(The default value)

comment.drawborder_color

Sets the border color of the input component.

Reference

The default value is "0FFF26".

comment.drawborder_colors

Sets the color group of the draw border icon.

Reference

The default value is "0FFF26,FF9AE9,8CF9F9".

HTML5JS viewer is only supported in PC.

comment.drawborder_thick

Sets the border thickness of the input component.

Reference

The default value is 6.

comment.drawborder_transparency

Sets the transparency of the input component border.

Reference

The default value is 25.

Set to a value between 0 and 100, and setting to a smaller value increases transparency.

comment.eraser

Sets whether to display the "Eraser" icon.

Values

true	Display(The default value)
false	Do not display

comment.fillbackground

Sets whether to display the fill background icon.

Values

true	Display
false	Do not display(The default value)

comment.fillbackground_color

Sets the background color when filling the background of an input component.

Reference

The default value is "0FFF26".

comment.fillbackground_colors

Sets the color group of the fill background icon.

Reference

The default value is "0FFF26,FF9AE9,8CF9F9".

HTML5JS viewer is only supported in PC.

comment.fillbackground_transparency

Sets the transparency when filling the background of an input component.

Reference

The default value is 25.

Set to a value between 0 and 100, and setting to a smaller value increases transparency.

comment.hideinputmode

Sets whether to hide the comments when the mode is neither edit nor comments.

Values

true	Hide
false	Show(The default value)

comment.highlightpen

Sets whether to display the "Highlighter" icon.

Values

true	Display(The default value)
false	Do not display

comment.highlightpen_color

Sets the color of the highlighter.

Reference

The default value is "0FFF26".

comment.highlightpen_colors

Sets the icon group color of the highlight pen.

Reference

The default value is "0FFF26,FF9AE9,8CF9F9".

comment.highlightpen_thick

Sets the thickness of the highlighter.

Reference

The default value is "0FFF26".

comment.highlightpen_transparency

Sets the transparency of the highlighter.

Reference

The default value is 25.

Set to a value between 0 and 100, and setting to a smaller value increases transparency.

comment.mode

Sets the comments mode.

Values

comment	In the Android/iOS Viewer, runs in the edit mode. In other viewers, runs in the comments mode
---------	---

input	In the Android/iOS Viewer, runs in the input mode. In other viewers, runs according to the viewer.screentool parameter values(The default value)
-------	--

comment.only_draw_with_stylus_pen

Sets whether to restrict users to use a stylus pen only when drawing comments in the Edit mode.

Values

true	Use stylus pen only when drawing comments
false	Allow users to use both a finger and a stylus pen when drawing comments(The default value)

Reference

If the parameter value is set to "true", a stylus pen is used only for selecting the Edit toolbar and for drawing comments. Therefore, functions such as displaying the Edit toolbar, selecting memos, and screen scrolling are not supported with a stylus pen.

comment.pen

Sets whether to display the "Pen" icon.

Values

true	Display(The default value)
false	Do not display

comment.pen_color

Sets the color of the pen.

Reference

The default value is "000000".

comment.pen_colors

Sets the icon group of the color of the pen.

Reference

The default value is "000000,FF0000,0000FF".

comment.pen_thick

Sets the thickness of the pen.

Reference

The default value is 1.

comment.selectedpen

Sets the default pen type when you draw comments.

Values

drawborder	Draw border
eraser	Eraser
fillbackground	Fill background
highlightpen	Highlighter
pen	Pen(The default value)

comment.sizebuttons

Sets whether to enable or display the size buttons.

Values

true	In the Android/iOS Viewer, enables the size buttons. In other viewers, displays the size buttons(The default value)
false	In the Android/iOS Viewer, disables the size buttons. In other viewers, does not display the size buttons

connection

Sets the OZ Server connection information and report binding options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
connection.2dbarcodeurl	O	X	X	X	X
connection.alternativereport_json	O	O	O	O	O
connection.args#	O	O	O	O	O
connection.autopageque	O	X	X	O	O
connection.clientcachetype	O	O	O	O	O
connection.clientdmtype	O	O	X	O	O
connection.compresseddatamodule	O	O	X	O	O
connection.compressedForm	O	O	X	O	O
connection.datafromserver	O	O	O	O	O
connection.displayname	O	O	O	O	O
connection.encrypt_ozparamvalue	O	O	O	O	O
connection.extraparam	O	X	X	X	X
connection.fetchtype	O	O	X	O	O
connection.footerreportname	O	O	O	O	O
connection.formfromserver	O	X	X	O	O
connection.frameworkurl	O	O	O	O	O
connection.headerreportname	O	O	O	O	O

connection.id	O	O	O	O	O
connection.inputjson			X		
connection.memodata	O	O	O	O	O
connection.memorypercent	O	X	X	O	O
connection.openfile	O	O	O	O	O
connection.pagequeue	O	X	X	O	O
connection.pagequeuebundle	O	X	X	O	O
connection.password	O	O	O	O	O
connection.pcount	O	O	O	O	O
connection.port	O	X	X	O	O
connection.refreshperiod	O	O	X	O	O
connection.reportname	O	O	O	O	O
connection.server	O	X	X	O	O
connection.serverdmttype	O	O	O	O	O
connection.servlet	O	O	O	O	O
connection.usebareserver	O	X	X	X	X
connection.usescheduleddata	O	O	O	O	O
connection.usewinhttp	O	X	X	X	X

 Only e-Form

connection.2dbarcodeurl

Sets the URL of the 2D barcode.

connection.alternativereport_json

Sets the report and band to be replaced.

Reference

Set the parameter value as a string in the following JSON format:

```
{"alternativereport":[{"option":"alternative_option","reportname":"OZR File path"},...]}
```

The values that can be set as alternative_option are as follows.

Key	Description
band	Finds a report and band with the same name and replaces the band(The default value)
band,report	First replaces a report with the same name, and then finds a band with the same name in the report that wasn't replaced and replaces the band
report	Replaces a report with the same name

connection.args#

Sets the value of the form parameters.

Reference

is the numerical value and indicates #th parameter, and it ranges from 1 to the value configured in [connection.pcount](#).

```
"connection.pcount", "2"
```

```
"connection.args1","FormParamName1=Value1"  
"connection.args2","FormParamName2=Value2"
```

connection.autopageque

Sets whether to create temporary files.

Values

true	Create temporary files
false	Do not create temporary files(The default value)

Reference

If the system's usage percentage of the available page file memory is bigger than the value set in [connection.memorypercent](#), defines whether to bind the report after creating temporary files without using memory.

Check the usage of memory whenever the report is bound up to 100 pages.

connection.clientcachetype

Sets the cache type of the file loaded from the repository.

Values

none	Do not use cache
memory	Cache in memory(The default value)
file	Cache in file

disconnection	Try to reconnect and continue to get the file when the network is disconnected or the viewer is closed unusually
crypt	Encrypt the file

Reference

Leave the file loaded from the repository in local, and if the viewer requests the same report later, it is set to use the cached file without loading the file from the server again.

If the file is left in the temporary folder, the user can't read the file by encryption. Defines whether to newly load the file which transferred the file version which is cached in the current client to the repository server.

The save path is the System Internet Temp folder in Windows, and the parameter values can be set to multiple values using a comma(,) as a separator.

In the HTML5/Android/iOS Viewer, this parameter works as memory.

If you want to save the report in the OZD format, please set the parameter value to a value other than "none".

connection.clientdmttype

Sets the way to process data modules in the viewer.

Values

normal	Proceed with report binding after receiving all data modules from the server
memory	While receiving data modules from the server and storing them in memory, execute report binding in parallel(The default value)

file	While receiving data modules from the server and storing them in a file, execute report binding in parallel
------	---

Reference

The previous version supported only one way of processing which it grouped process of getting data module and process of binding in a report as one thread and processed this thread. This way of processing had several defects in performance and response time. To resolve these problems, the process of receiving data module and process of binding the report are separated into two threads and they are concurrently processed. Using this technology, the bound report can be previewed in real-time that results in reduced response time. Also, for the reliable operation in low spec. system, data module can be saved to a file.

In the HTML5/Android/iOS Viewer, this parameter works as memory.

connection.compresseddatamodule

Sets whether to compress or not when the server requests data module.

Values

true	Compress
false	Do not compress(The default value)

connection.compressedForm

Sets whether to compress or not when the server requests the report form.

Values

true	Compress
false	Do not compress(The default value)

connection.datafromserver

Sets whether to get data from the server.

Values

true	Get data from the server(The default value)
false	Get cached data from the local system

Reference

Even if this parameter set to false, gets data from the server if the value of [connection.usescheduleddata](#) or [odi.odiname.usescheduleddata](#) is not set or set to an empty value.

connection.displayname

Sets the report display name.

connection.encrypt_ozparamvalue

Sets whether to encrypt the ODI parameter or form parameter value when sending.

Values

true	Encrypt and send
false	Send as original text(The default value)

connection.extraparam

Set the parameters to send to the external module.

connection.fetchtype

Sets a way for OZ Server to process data modules when the data modules are requested from OZ Viewer.

Values

batch	Generates data module for the entire data, then sends it to the OZ Viewer(The default value)
concurrent	Generates data modules and sends it to the Viewer at the same time

connection.footerreportname

Sets the report name which will be used as the page footer of the report.

Reference

A page footer band must be added for the report which will be used as a page footer.

The corresponding parameter is not applied if the OZD file or OZR file designed as a complex report is in preview, or repository_agent.type=from_ozp is set.

The report form cache function which is used as a page footer is not supported.

If the component size in a page footer is bigger than the bound report paper size, take caution in that the report will be bound abnormally.

See Also

[connection.args#](#), [connection.pcount](#), [connection.reportname](#)

connection.formfromserver

Sets whether to get the report file from the server.

Values

true	Get file from the server(The default value)
false	Get cached file from local

connection.frameworkurl

Sets the URL of the server which will be linked when binding data to a server other than OZ Server.

connection.headerreportname

Sets the report name which will be used as the page header of the report.

Reference

Refer to [connection.footerreportname](#) for more information.

connection.id

Sets the user ID.

Reference

The default value is guest.

connection.inputjson

Sets the input component value to viewer parameter.

Reference

The value that is set as a parameter when the report is bound is applied as the input component value. However, when you set the input component value from the OnAddToPage and OnEndBind events using Java Script, the value set with JavaScript is applied, not the parameter value.

Please set the input component value to "FormID":"Component value" in JSON format. But, if FormID is not set, set to the "Component name":"component value" format.

If you set the parameter value to a format other than JSON or there is a duplicated value in FormID or component, the parameter is not applied.

To use the value set by this parameter in JavaScript, please enter the script in the following format in the OnBind event.

```
This.GetDataSetValue("OZInputJSON.FormID");
```

connection.memodata

Sets the memo data to be applied in a report.

Reference

The memo data includes not only memos, but also images, comments, and callout shapes.

The parameter value must be set to a string format from `GetInformation("MEMO_DATA")` or `GetInformation("MEMO_DATA_AT=report index")`.

All memo data added to the report is deleted and the memo data set as the parameter value is applied.

connection.memorypercent

Sets the usage percentage of the available page file memory.

Reference

The default value is 90.

Sets the usage percentage of the available page file memory if "[connection.autopageque](#)" is set true.

connection.openfile

Sets the local PC path and URL of the ozd file to be opened.

Reference

The file path can be set to OZ Repository URL(`ozp://`), Web Server URL(`http://`), Local URL(`file://`) and Mobile App Resource URL(`res://`). Note that the HTML5 Viewer can be set to the OZ repository URL(`ozp://`), Web Server URL(`http://`).

When setting the local path, both the full path and relative path can be set.

To resource URL of Android Viewer is assets folder of your project, and iOS Viewer is your project folder,

When binding the ODI file which is created by the server API, to display image files of server repository set connection information of the OZ Server.

connection.pageque

Sets the number of pages of bound report to be loaded in memory.

Reference

Only a defined number of pages will be held in memory and the rest are stored in the file.

The pages in the file will be loaded into memory when they are requested.

The default value is -1.

If it is set to the default value, the entire page is saved in memory.

connection.pagequebundle

Sets the number of pages that are saved in one file.

Reference

The default value is 0.

If it is set to the default value, each page is saved in each file.

Applies only if the "[connection.pageque](#)" parameter value is greater than -1.

connection.password

Sets the user password.

Reference

The default value is guest.

connection.pcount

Sets the number of form parameters of the report.

connection.port

Sets the port number of OZ Server.

Reference

This parameter is set when the OZ Server type is daemon.

connection.refreshperiod

Sets the time interval for renewing the report by regenerating data module in OZ Server.

connection.reportname

Sets the report file name and path of the report to request.

connection.server

Sets the IP address or domain name of OZ Server.

Reference

This parameter is set when the OZ Server type is daemon.

connection.serverdmtype

Sets whether the OZ Server should use memory or files when generating data module in response to requests from OZ Viewer.

Values

file	Use file
memory	Use memory(The default value)

Reference

For large amounts of data, using files can reduce the usage of memory in the server.

connection.servlet

Sets the URL of the OZ Server.

Reference

This parameter is set when the OZ Server type is servlet.

See Also

[connection.server](#)

connection.usebareserver

Sets to use bareserver(local server) for data binding from the client not from the server.

Values

true	Use bareserver
false	Do not use bareserver(The default value)

connection.usescheduleddata

Sets the name of the SDM file generated by the scheduler so that it can be used in viewing the report.

Reference

The file path can be set to OZ Repository URL(ozp://), Web Server URL(http://) and Local URL(file://). However, HTML5 Viewer sets the relative path based on the path set in datamodule_path of the conf/srmngr.properties file among the OZ Server environment configuration files. Also, the use_scheduled_data option in srmngr.properties file must be set to true

Applies only if the "[connection.datafromserver](#)" parameter value is "false".

connection.usewinhttp

Sets whether to use WinHttp.

Values

true	If the OS version is NT use WinHttp, otherwise, use WinINet
false	Do not use WinHttp. Always use WinINet(The default value)

Reference

If the "connection.usewinhttp" parameter value is "true", the "[connection.fetchtype](#)" parameter value is applied to "batch".

CSV

Sets the options to save the CSV file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
csv.addseparator	O	O	O	O	O
csv.charset	O	O	O	O	O
csv.exceptfirstpage	O	O	O	O	O
csv.filename	O	O	O	O	O
csv.maxrowinafile	O	O	O	O	O
csv.pageline	O	O	O	O	O
csv.pagestyle	O	O	O	O	O
csv.pagetitle	O	O	O	O	O
csv.path	O	X	X	X	O
csv.removeorange	O	O	O	O	O
csv.removeseparator	O	O	O	O	O
csv.saveastable	O	O	O	O	O
csv.savememo	O	O	X	O	O
csv.separator	O	O	O	O	O
csv.splitmergedcell_at_saveastable	O	O	O	O	O

csv.addseparator

Sets the "Insert 1000 separator" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

csv.charset

Sets the "Encoding" option.

Values

ansi	ANSI is selected(The default value)
unicode	Unicode is selected

See Also

CSV/TXT Save Option Dialog Box

csv.exceptfirstpage

Sets the "Except first page" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

csv.filename

Sets the file name.

See Also

Save Dialog Box

csv.maxrowinafile

Sets the maximum number of rows, saved in one file.

csv.pageline

Sets the "Line" option.

See Also

CSV/TXT Save Option Dialog Box

csv.pagestyle

Sets the "Break type" option.

Values

None	None(The default value)
n <PAGE>	n <PAGE>
n <PAGE> ---	n <PAGE> ---
--- n <PAGE>	--- n <PAGE>
<PAGE> n	<PAGE> n
<PAGE> n ---	<PAGE> n ---
--- <PAGE> n	--- <PAGE> n
<PAGE>	<PAGE>

See Also

CSV/TXT Save Option Dialog Box

csv.pagetitle

Sets the "<PAGE>" option.

Reference

The default value is Page.

See Also

CSV/TXT Save Option Dialog Box

csv.path

Sets the file path.

See Also

Save Dialog Box

csv.removeorange

Sets the "Remove lines" option.

Reference

Sets the range of lines to be removed in the format of "StartLine, EndLine".

See Also

CSV/TXT Save Option Dialog Box

csv.removeseparator

Sets the "Delete 1000 separator" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

csv.saveastable

Sets the "Save As Table" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

csv.savememo

Sets the save option for memos and callout shapes when saving a CSV file.

Values

all	Follows the value of memo.exportoption (The default value)
nothing	Does not save memos

csv.separator

Sets the "Delimiter" option.

Values

tab	tab
space	space
/	/
~	~
comma	comma(The default value)
empty	empty
Other	Other

See Also

CSV/TXT Save Option Dialog Box

csv.splitmergedcell_at_saveastable

Sets whether or not to save by splitting the merged label.

Values

true	Save by splitting the merged label
------	------------------------------------

false	Save as a merged state(The default value)
-------	---

Reference

Applies only if the "[csv.saveastable](#)" parameter value is "true".

docx

Sets the options to save the DOCX file.

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_docxwriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackDOCX.framework) in the Xcode project.
2. Call the `__OZExportPack_load_docx()` function before using this function.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
docx.convertedimagedpi	O	O	O	O	O
docx.filename	O	O	O	O	O
docx.path	O	X	X	X	O
docx.savememo	O	O	X	O	O
docx.tablerowheight	O	O	O	O	O
docx.text_wrapping_style	O	O	O	O	O

docx.convertedimagedpi

Sets the dpi of components that are stored as images.

Reference

The default value is 96.

docx.filename

Sets the file name.

See Also

Save Dialog Box

docx.path

Sets the file path.

See Also

Save Dialog Box

docx.savememo

Sets the save option for memos and callout shapes when saving a DOCX file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
-----	---

nothing	Does not save memos and callout shapes
---------	--

docx.tablerowheight

Sets the height of the rows of the table when exporting tables or crosstabs to Word.

Values

at_least	Sets the height of rows to the minimum value
exactly	Sets the height of rows to a fixed value(The default value)

docx.text_wrapping_style

Sets the text wrapping style of the TextBox and Picture of the word.

Values

behind_text	Behind the text
in_front_of_text	In front of the text(The default value)

Reference

When the report that the shapes are overlaid on the table is saved as table if you want to display the table text at the top, please set this parameter value to behind_text.

dialogueflow

Sets the DialogueFlow execution options.

Reference

To use the DialogueFlow feature, set `eform.usedialogueflow=true`.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
dialogueflow.auto_next	X	○	X	○	○
dialogueflow.content_vertical_align	X	○	X	○	○
dialogueflow.contentsize	X	○	X	○	○
dialogueflow.displayname	X	○	X	○	○
dialogueflow.display_area	X	○	X	○	○
dialogueflow.display_at_startup	X	○	X	○	○
dialogueflow.microphone	X	○	X	○	○
dialogueflow.prev_next_navigation_rule	X	○	X	○	○
dialogueflow.showdisplayname	X	○	X	○	○
dialogueflow.stylejson	X	○	X	○	○

○ Only e-Form

dialogueflow.auto_next

Sets whether to move to the next question.

Values

true	Automatically moves to the next question
false	Does not automatically move to the next question(The default value)

dialogueflow.content_vertical_align

Sets the vertical alignment of the content area displayed on the DialogueFlow screen.

Values

center	Center alignment(The default value)
top	Top alignment

dialogueflow.contentsize

Sets the width of the content area displayed on the DialogueFlow screen.

Reference

Set the HTML5JS viewer to pixels and the Android/iOS Viewer to dp.

To execute the DialogueFlow input window in full screen, set [dialogueflow.display_area](#)=center and set the value of this parameter to the largest possible value.

dialogueflow.displayname

Sets the title of the DialogueFlow window.

Reference

The default value is the display name of the report. Applies only if

[dialogueflow.showdisplayname=true](#).

dialogueflow.display_area

Sets the display options for the DialogueFlow window.

Values

center	Display it at the center of the screen(The default value)
fullscreen	Display it in full screen

dialogueflow.display_at_startup

Sets whether to automatically launch the DialogueFlow window after report binding is completed.

Values

true	Launch automatically
false	Do not launch automatically(The default value)

Reference

If you set the parameter value to false, to display the DialogueFlow window, click the component added to the question list in the DialogueFlow wizard.

dialogueflow.microphone

Sets whether to use the speech recognition feature (STT).

Values

on	Use the speech recognition feature
off	Do not use the speech recognition feature. The speech recognition button not visible(The default value)

dialogueflow.prev_next_navigation_rule

Sets the prev/next move rule.

Values

group	Move by group(The default value)
none	Not used
question	Move by question

Reference

Setting the parameter value to group activates the first component in the group when moving to prev/next.

Setting the parameter value to question activates the last component in the group when moving to prev, and activates the first component in the group when moving to next.

dialogueflow.showdisplayname

Sets whether to display the title in the DialogueFlow window.

Values

true	Display
false	Do not display(The default value)

dialogueflow.stylejson

Sets the style of the DialogueFlow.

Reference

Set the parameter value as a string in the following JSON format:

```
{"common":{"Key1":"Value1","Key2":"Value2",...},"progressbutton":  
{"Key1":"Value1","Key2":"Value2",...},"contents":  
{"Key1":"Value1","Key2":"Value2",...},"progressbar":  
{"Key1":"Value1","Key2":"Value2",...},"popupwindow":  
{"Key1":"Value1","Key2":"Value2",...},"inputcomp":  
{"Key1":"Value1","Key2":"Value2",...,"ComponentType":  
{"PropertyName1":"PropertyValue1","PropertyName2":"PropertyValue2",...}}}.
```

The configurable keys in the common are:

Key	Description
-----	-------------

background	Background image or color
dialogclosebutton	[X] button image path or color
fixedgroupheader	Fixed group header
fixedseparatorcolor	Fixed separator color
fixedseparatorthick	Fixed separator thickness
optionaltext	Text of an optional item
optionaltextcolor	Text color of an optional item
requiredtext	Text of a required item
requiredtextcolor	Text color of a required item
showtitle	Whether to show the title

The configurable keys in the progressbutton are:

Key	Description
background	Background color
buttonsize	Button size of the progress button. Set the value to "normal" or "fittowidth"
cornerradius	Rounded border radius

fontcolor		Font color
fontsize normal		Font Size(high resolution)
fontsize small		Font Size(low resolution)
text	done	[Done] button text
	inputcomp	Text of the [OK] button in the input area
	statement	Text of the [Next] button in the Statement
	thankyou	Text of the [Exit] button
	welcome	Text of the [Start] button

The configurable keys in the contents are:

Key		Description
description	fontcolor	Font color
	fontsize normal	Font size(high resolution)
	fontsize small	Font size(low resolution)
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"
	textalignment	Text alignment. Set the value to "left", "center" or "right"
displayname	fontcolor	Font color

	fontsize <code>normal</code>	Font size(high resolution)
	fontsize <code>small</code>	Font size(low resolution)
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"
	textalignment	Text alignment. Set the value to "left", "center" or "right"
question	fontcolor	Font color
	fontsize <code>normal</code>	Font size(high resolution)
	fontsize <code>small</code>	Font size(low resolution)
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"
	textalignment	Text alignment. Set the value to "left", "center" or "right"
title	backgroundcolor	Background color
	cornerradius	Rounded border radius. Applied when the shapetype is set to "badge"
	fontcolor	Font color
	fontsize <code>normal</code>	Font size(high resolution)
	fontsize <code>small</code>	Font size(low resolution)
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"

	shapetype	Display type. Set the value to "normal" or "badge"
	textalignment	Text alignment. Set the value to "left", "center" or "right"

The configurable keys in the progressbar are:

Key	Description
backgroundcolor	Background color
disablenextbutton	Image path of the disabled [v] button
disableprevbutton	Image path of the disabled [^] button
enablenextbutton	Image path of the enabled [v] button
enableprevbutton	Image path of the enabled [^] button
progresscolor	Foreground color of the progress bar
trackcolor	Background color of the progress bar

The configurable keys in the popupwindow are:

Key	Description
backgroundcolor	Background color
optionaltextcolor	Font color of optional items
requiredtextcolor	Font color of required items

cancelbutton	backgroundcolor	Background color
	cornerradius	Rounded border radius
	fontcolor	Font color
	fontsize normal	Font size(high resolution)
	fontsize small	Font size(low resolution)
confirmbutton	backgroundcolor	Background color
	cornerradius	Rounded border radius
	fontcolor	Font color
	fontsize normal	Font size(high resolution)
	fontsize small	Font size(low resolution)
description	fontcolor	Font color
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"
itembutton	bordercolor	Border color
	cornerradius	Rounded border radius
	fontcolor	Font color

	selectbackgroundcolor	Background color of selected items
	selectbordercolor	Border color of selected items
	unselectbackgroundcolor	Background color of items not selected
	unselectbordercolor	Border color of items not selected
question	fontcolor	Font color
	fontstyle	Font style. Set the value to "normal", "bold" or "italic"
attachmentbutton	titlebackgroundcolor	Background color of the area indicating the number of attached files
	titlefontcolor	Font color of the text indicating the number of attached files
	attachtextcolor	Font color of the text in the attached file
	fontcolor	Font color of the name of the attached file
	separatorcolor	Separator line color
	filesizecolor	File size font color
	grabbericon	Image path or color of the move order icon. Does not run in the HTML5JS PC viewer

	contextmenuicon	Pop-up menu icon image path or color. Does not run in the mobile view
datetimepicker	disabledaycolor	Disabled date color
	fontcolor	Font color
	saturdaycolor	Saturday color
	selectbackgroundcolor	Selected date background color
	selectbordercolor	Selected date border color
	sundaycolor	Sunday color
	todaycolor	Today color

The configurable keys in the inputcomp are:

Key		Description
clearbuttonimage		[X] button image path
readybackgroundcolor		Input pending background color
readybordercolor		Input pending border color
readyborderthick		Input pending border thickness
popupbutton	backgroundcolor	Background color

	bordercolor	Border color
	borderthick	Border thickness
	fontcolor	Font color
guidehighlight	backgroundcolor	Background color
	bordercolor	Border color
	borderthick	Border thickness
	questiontextcolor	Font color of the question's text
	type	Highlight type. Set the value to "none", "border", "questiontextcolor" or "backgroundcolor"
itembutton	bordercolor	Border color
	cornerradius	Rounded border radius
	fontcolor	Font color
	selectbackgroundcolor	Background color of selected items
	selectbordercolor	Border color of selected items
	selectborderthick	Border thickness of selected items

	unselectbackgroundcolor	Background color of items not selected
	unselectbordercolor	Border color of items not selected
	unselectborderthick	Border thickness of items not selected

The configurable ComponentType and PropertyName in the inputcomp are:

ComponentType	PropertyName	Description
attachmentbutton	documentimage	File icon image path or color. Does not run in the HTML5JS viewer
	cameraimage	Camera icon image path or color. Does not run in the HTML5JS viewer
	albumimage	Gallery icon image path or color. Does not run in the HTML5JS viewer
	mergeimage	Merge photos icon image path or color.

		Does not run in the HTML5JS viewer
	fontcolor	Text font color after attachment
	fontsize normal	Text font size after attachment(high resolution)
	fontsize small	Text font size after attachment(low resolution)
checkbox	checkedmarkimage	Checked image path or color
	uncheckedmarkimage	Unchecked image path or color
datetimepicker	disabledaycolor	Disabled date color
	fontcolor	Font color
	icon	Datetimepicker icon image path or color
	saturdaycolor	Saturday color

	selectbackgroundcolor		Selected date background color	
	selectbordercolor		Selected date border color	
	selectcolor		Selected date color	
	sundaycolor		Sunday color	
	todaycolor		Today color	
imagepicker	camera	icon		Camera icon image path or color
		gallerybutton	backgroundcolor	Background color of the [Gallery/Album] button
			bordercolor	Border color of the [Gallery/Album] button
			borderthick	Border thickness of the [Gallery/Album] button
			fontcolor	Font color of the [Gallery/Album]

				button
			image	Image path or color of the [Gallery/Album] button
	id	icon		ID icon image path or color
	seal	icon		Seal icon image path or color
numericupdown	buttonbackgroundcolor			Background color of the function button
	buttoncolor			Border color of the function button
	focusedbordercolor			Focused border color
	focusedborderthick			Focused border thickness
	fonstsize normal			Font size(high resolution)
	fonstsize small			Font size(low resolution)

	fontcolor	Font color
signpad	backgroundcolor	Signature area background color
	bordercolor	Border color
	borderthick	Border thickness
	icon	Signature icon image path or color
textbox	backgroundcolor	Background color
	bordercolor	Border color
	focusedbordercolor	Focused border color
	focusedborderthick	Focused border thickness
	fontcolor	Font color
voicerecorder	bordercolor	Border color
	fontcolor	Text font color after recording
	fontsize normal	Text font size after recording (high

			resolution)
	fontsize small		Text font size after recording (low resolution)
	image	clear	Clear icon image path or color
		pause	Pause icon image path or color
		play	Play icon image path or color
		record	Start recording icon image path or color
		stop	Stop recording icon image path or color

eform

Sets the e-form functionality behavior options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
eform.checkbox_type	X	X	X	O	O
eform.custom_ui	O	O	X	O	O
eform.dbclick_at_commentmode	O	X	X	X	X
eform.dbclick_at_guidemode	O	X	X	X	X
eform.dialog_autoclose_at_itemclick	X	X	X	O	O
eform.functionbutton_display_type	O	O	X	O	O
eform.hidecontrols	O	O	X	O	O
eform.highlight_stylejson	O	O	X	O	O
eform.highlightpen_guide	O	O	X	O	O
eform.image_inputvalue_jpg_quality	O	O	X	O	O
eform.image_inputvalue_max_dpi	O	O	X	O	O
eform.imagepicker_camera_allowzoom	X	X	X	O	O
eform.imagepicker_camera_dpi	X	X	X	O	O
eform.imagepicker_camera_facingmode	X	X	X	O	O
eform.imagepicker_camera_flashmode	X	X	X	O	O
eform.imagepicker_camera_iconposition	X	X	X	O	O
eform.imagepicker_camera_prev_next_iconposition	X	X	X	O	O

eform.imagepicker_camera_show_choose_button	X	X	X	O	O
eform.imagepicker_camera_show_save_button	X	X	X	O	O
eform.imagepicker_camera_show_toolbar	X	X	X	O	O
eform.imagepicker_camera_toolbar_facing	X	X	X	O	O
eform.imagepicker_camera_toolbar_flash	X	X	X	O	O
eform.imagepicker_camera_zoom	X	X	X	O	O
eform.imagepicker_id_info	X	X	X	O	O
eform.imagepicker_save_editdata	X	X	X	O	O
eform.imagepicker_seal_stylejson	X	O	X	O	O
eform.input_guide_rule	O	X	X	X	X
eform.inputcomponent_toolbar_button_json	X	X	X	O	O
eform.inputeventcommand	O	O	X	O	O
eform.okbutton_actiontype	X	X	X	O	O
eform.onvaluechanged_callrule_json	O	O	X	O	O
eform.placeholder_display_type	O	O	X	O	O
eform.prev_next_constraint_rule	O	O	X	O	O
eform.prev_next_required_rule	O	O	X	O	O
eform.radiobutton_show_enableonly	X	O	X	O	O
eform.radiobutton_type	X	X	X	O	O
eform.resourceparam	O	O	X	X	X
eform.show_prev_next_input	O	O	X	O	O
eform.showreverthistory	X	O	X	X	X
eform.signpad_highlightcolor	O	O	X	O	O

eform.signpad_iconalignment	X	X	X	O	O
eform.signpad_iconposition	X	X	X	O	O
eform.signpad_keepbackgroundcolor	O	O	X	O	O
eform.signpad_only_draw_with_stylus_pen	X	X	X	O	O
eform.signpad_pen_thickness	O	O	X	O	O
eform.signpad_prev_next_iconposition	X	X	X	O	O
eform.signpad_reusablesign_rule	O	O	X	O	O
eform.signpad_show_draw_erase_button	O	O	X	O	O
eform.signpad_type	O	O	X	O	O
eform.signpad_use_pen_pressure	X	O	X	O	O
eform.signpad_viewtype	O	O	X	O	O
eform.signpad_zoom	X	X	X	O	O
eform.textbox_iconalignment	X	X	X	O	O
eform.textbox_passwordchar	O	O	X	O	O
eform.togglebutton_type	X	X	X	O	O
eform.use_highlight_mode	O	O	X	O	O
eform.use_image_rotation_editor	X	O	X	O	O
eform.usedialogueflow	X	O	X	O	O
eform.usemultiscreen	O	X	X	X	X
eform.voicerecorder_recording_timeout	X	X	X	O	O

O Only e-Form

eform.checkbox_type

Sets the execution type of CheckBox.

Values

dialog_at_prev_next	Run as a dialog box if the check box is selected with the previous/next operation
direct	Select directly on the screen(The default value)
ensurevisible_at_prev_next	Scroll through the report to show the CheckBox on the screen and stops the previous/next operation if the check box is selected with the previous/next operation

eform.custom_ui

Sets the button display type or the guideline type of the signpad.

Reference

The default value is empty.

Sets the guideline in the string format of {"signpad":

```
{"GuidelineKey1":"GuidelineValue1","GuidelineKey2":"GuidelineValue2",...,"GuidelineKeyn":"GuidelineValuen"}}.
```

The configurable GuidelineKeys are as follows:

GuidelineKey	Description
guideline_color	Color of the guide line(The default value is C0C0C0)
guideline_shape	Shape of the guide line(The default value is none). The value can be set to none and underline.
guideline_style	Style of the guide line(The default value is dashed). The value can be set to dashed and solid.
guideline_thickness	Thickness of the guide line(The default value is 5)
guideline_transparency	Transparency of the guide line(The default value is 128). Set to a value between 0 and 255, and setting to a smaller value increases transparency.

Sets the button display type in the string format of {"signpad":{"buttons":

{"ButtonKey1":"ButtonValue1","ButtonKey2":"ButtonValue2",...,"ButtonKeyn":"ButtonValuen"}}}.

The configurable ButtonKeys are as follows:

Sets the ButtonKey value to one of "always", "none", "mainscreenonly" or "subscreenonly".

ButtonKey		Description
buttons	cancel_visibletype	Display type of the [Cancel] button(The default value is always).
	clear_visibletype	Display type of the [Clear] button(The default value is always)

ButtonKey		Description
	confirm_visible	Display type of the [OK] button(The default value is always)
	draw_erase_visible	Display type of the [Draw]/[Erase] button(The default value is always)
	reusablesign_visible	Display type of the [Reuse] button(The default value is always)
	seal_visible	Display type of the [Seal] button(The default value is always)

eform.dbclick_at_commentmode

Sets the action to be executed when you double-click on an area other than input components in the main screen in the comments mode.

Values

none	No action(The default value)
subscreen_scrollto_center	Moves the center position of the sub screen to the position of the double-clicked area in the main screen

eform.dbclick_at_guidemode

Sets the action to be executed when you double-click on an area other than input components in the main screen in the guide mode.

Values

none	No action(The default value)
subscreen_scrollto_center	Moves the center position of the sub screen to the position of the double-clicked area in the main screen

eform.dialog_autoclose_at_itemclick

Sets whether to close the dialog when you select an item in the dialog.

Values

true	Close dialog
false	Do not close dialog(The default value)

Reference

If you set the parameter value to true, the [OK] button is not displayed in the dialog. And if you select an item of the dialog, the selected value is applied to the input component and the dialog is automatically closed.

This parameter applies only to ComboBox and RadioButton. However, to use this feature in the RadioButton, set the "Group Name" property of the RadioButton to the name of the RadioButtonGroup and set the "Enable Uncheck" and "Multi-Selectable" property of the RadioButtonGroup to false. And then set the [eform.radiobutton_type](#) parameter to dialog or dialog_at_prev_next.

eform.functionbutton_display_type

Set the display type of the function button in the ComboBox, DateTimePicker and NumericUpDown.

Values

alwayshide	Always hide the function button
alwaysshow	Always show the function button
showenableonly	Always only show the function buttons of enabled components. Always hide the function buttons of disabled components
showpreviewonly	Show the function buttons only when previewing, but not when saving/printing(The default value)
showpreviewonly,showenableonly	Show the function buttons of enabled components only when previewing, but not when saving/printing. Always hide the function buttons of disabled components

eform.hidecontrols

Sets whether to hide all the input components.

Values

true	Hide
false	According to the value of Visible property(The default value)

Reference

If a report is saved in the OZD format, this parameter does not apply.

eform.highlight_stylejson

Sets the highlighting style of the input component.

Reference

Set the parameter values in the following format:

```
{"Key1":"Value1","Key2":"Value2",...,"Keyn":"Valuen"}.
```

The configurable keys are as follows:

Key	Description
highlightstrokecolor	Border color. Set in the RGBA format(The default value is FF000080)
highlightstrokethickness	Border thickness(The default value is 5)

eform.highlightpen_guide

Sets the input components guided with the highlighter, draw border, and fill background icons as the previous/next component.

Values

none	Do not use(The default value)
------	-------------------------------

reorder	Rearrange the previous/next move order based on the guided input components with icons of highlighter, draw border and fill background.
---------	---

Reference

The highlighter guide function is used to dynamically set the previous/next components at the time of the preview, and not the design time.

The components included in the guide line is added to the list of previous/next components in the edit mode.

If the selected component is a guided component with highlighter, movement occurs between the guided components.

If you want to delete from the list of previous/next components, please use the eraser in the edit toolbar.

To use the guide function, please set the following parameters.

- `eform.highlightpen_guide=reorder`
- `comment.all=true`
- `comment.selectedpen=highlightpen/drawborder/fillbackground`

eform.image_inputvalue_jpg_quality

Sets the image quality when adding a JPG image.

Reference

The default value is 100, set to a value between 0 and 100.

This parameter is only applied to JPG format images whose sizes are adjusted by the `eform.image_inputvalue_max_dpi` parameter.

eform.image_inputvalue_max_dpi

Sets the maximum DPI of the image.

Reference

The default value is 0. If the value is 0, the image size is not adjusted.

eform.imagepicker_camera_allowzoom

Sets whether to allow zoom scaling when taking a picture using ImagePicker.

Values

true	Allow zoom scaling
false	Only shoot 100%(The default value)

Reference

When the parameter value is true, if you do a "Pinch to Zoom" operation in the shooting screen area, the text indicating the zoom ratio will be displayed and you can shoot to enlarge the screen.

After shooting is completed or the camera facing mode is changed, the zoom scale will reset to 100%.

To use this feature, please set the ImagePickMode property of ImagePicker with the to Camera.

eform.imagepicker_camera_dpi

Sets the camera DPI of the ImagePicker.

Reference

The default value is 96.

eform.imagepicker_camera_facingmode

Sets the camera facing mode when taking a picture using ImagePicker.

Values

back	Back facing camera(The default value)
front	Front facing camera

eform.imagepicker_camera_flashmode

Sets the camera flash mode.

Values

auto	Auto
off	Off(The default value)
on	On

eform.imagepicker_camera_iconposition

Sets the position of the [Shoot]/[Close] buttons when taking a picture using ImagePicker.

Values

camera_bottom	The [Shoot]/[Close] buttons are displayed on the outer bottom-center of the camera area(The default value)
camera_top	The [Shoot]/[Close] buttons are displayed on the outer top-center of the camera area
viewer_bottom	The [Shoot] button is displayed on the bottom-left of the viewer area and the [Close] button is displayed on the bottom-right of the viewer area
viewer_middle	The [Shoot] button is displayed on the middle-left of the viewer area and the [Close] button is displayed on the middle-right of the viewer area
viewer_top	The [Shoot] button is displayed on the top-left of the viewer area and the [Close] button is displayed on the top-right of the viewer area

Reference

The [Shoot]/[Close] buttons are displayed in the "[Shoot], [Close]" order by default. But if the [Shoot]/[Close] buttons are displayed in a position like the [Prev]/[Next] buttons and the button positions are set to a value that ends in "_left", the order of the [Shoot], [Close] buttons can be reversed and the [Close]/[Shoot] buttons are displayed on the rightmost area. For example, when set to "[eform.imagepicker_camera_prev_next_iconposition=camera_top_left](#)" and "[eform.imagepicker_camera_iconposition=camera_top](#)", the [Prev]/[Next] buttons are displayed on the top-leftmost of the outer camera area, the [Close]/[Shoot] buttons are displayed on the top-rightmost of the outer camera area.

eform.imagepicker_camera_prev_next_icon

position

Sets the position of the [Prev]/[Next] button when taking a picture using ImagePicker.

Values

camera_bottom	The [Prev] button is displayed on the bottom-leftmost of the outer camera area and the [Next] button is displayed on the bottom-rightmost of the outer camera area
camera_bottom_left	The [Prev]/[Next] buttons are displayed on the bottom-leftmost of the outer camera area
camera_top	The [Prev] button is displayed on the top-leftmost of the outer camera area and the [Next] button is displayed on the top-rightmost of the outer camera area(The default value)
camera_top_left	The [Prev]/[Next] buttons are displayed on the top-leftmost of the outer camera area
viewer_bottom	The [Prev] button is displayed on the bottom-leftmost of the viewer area and the [Next] button is displayed on the bottom-rightmost of the viewer area
viewer_bottom_left	The [Prev]/[Next] buttons are displayed on the bottom-leftmost of the viewer area
viewer_top	The [Prev] button is displayed on the top-leftmost of the viewer area and the [Next] button is displayed on the top-rightmost of the viewer area

viewer_top_left	The [Prev]/[Next] buttons are displayed on the top-leftmost of the viewer area
-----------------	--

eform.imagepicker_camera_show_choose_button

Sets whether to display the [Gallery(Album)] button.

Values

true	Display
false	Do not display(The default value)

Reference

The text on the button will display the [Gallery] or [Album] depending on your mobile device.

The [Gallery(Album)] button is displayed at the bottom of the [Shoot] button when the value of [eform.imagepicker_camera_iconposition](#) is viewer_middle, and displayed at the right of the [Shoot] button in other cases.

If you select an image saved in the mobile device by clicking the [Gallery(Album)] button, the image editing dialog is executed. If you edit the image and click the [Done] button in the image editing dialog, then the edited image is applied to the ImagePicker and the [Shoot] button changes to the [ReShoot] button. To delete the displayed image, click on the [ReShoot] button, and then click the [Close] button.

Android Viewer will need to add the following script.

```
@Override
```

```
protected void onActivityResult(int requestCode, int resultCode, Intent data) {  
    if(ozviewer != null) {  
        //requestCode: Request code of Activity  
        //resultCode: Result code of the user action  
        //data: Image information selected from the gallery  
        ozviewer.onActivityResult(this, requestCode, resultCode, data);  
    }  
}
```

This parameter works to "false" when scanning an ID/seal using ImagePicker.

eform.imagepicker_camera_show_save_button

Sets whether to display the [Save] button.

Values

true	Display
false	Do not display(The default value)

Reference

If you click the [Save] button, "OZ Mobile" is added to the Gallery(Album) and then the image is saved to "OZ Mobile" in jpg format.

The [Save] button is displayed at the bottom of the [Shoot] button when the value of [eform.imagepicker_camera_iconposition](#) is viewer_middle, and displayed at the right of the [Shoot] button in other cases. If the [Gallery(Album)] button is displayed, the [Save] button is

displayed at the bottom of the [Gallery(Album)] button, and displayed at the right of the [Gallery(Album)] button in other cases.

This parameter works to "false" when scanning an ID/seal using ImagePicker.

eform.imagepicker_camera_show_toolbar

Sets whether to display the camera toolbar at the top of the shooting screen when taking a picture using ImagePicker.

Values

true	Display
false	Do not display(The default value)

Reference

Runs as false even if the parameter value is set to true if there is no icon to be displayed in the camera toolbar.

Runs as "false" when scanning an ID/seal using ImagePicker.

eform.imagepicker_camera_toolbar_facing

Sets whether to display the camera facing mode icon on the camera toolbar.

Values

true	Display
false	Do not display(The default value)

Reference

Applies only if the "[eform.imagepicker_camera_show_toolbar](#)" parameter value is "true".

If the camera does not support a facing mode, the camera facing mode icon is disabled.

The camera facing mode is supported only for SDK API 9(Gingerbread 2.3 OS) or higher in the Android device.

eform.imagepicker_camera_toolbar_flash

Sets whether to display the camera flash icon on the camera toolbar.

Values

true	Display(The default value)
false	Do not display

Reference

Applies only if the "[eform.imagepicker_camera_show_toolbar](#)" parameter value is "true".

If the camera does not support a flash, the camera flash icon is disabled.

If you click the flash icon, the flash icons are run in the order of "off, auto, on".

eform.imagepicker_camera_zoom

Sets the zoom ratio of the report when ImagePicker is executed.

Reference

The default value is 500.

eform.imagepicker_id_info

Sets the ID card scanning options.

Reference

ID scanning options such as ID, name, size, margin and masking information should be included. In addition, it should be set as a JSON format string.

The item keys for setting the ID card scanning options are listed below.

ids	Sets the information of the ID card. id: ID of the ID card. name: Name of the ID card. size: Size of the ID card. Set to the "width x height" format. The unit is mm. margin: Margins between the ID card and background. The default value is 0. The unit is mm. This is set when you want to shoot with the background under the ID card included. The horizontal margins are applied in a horizontal direction and vertical margins are automatically adjusted to fit the size of the ImagePicker. Even if you set a large margin, the ID card size cannot be smaller than 30% of the ImagePicker size. mask: Area to be masked. The masked area is displayed in mosaic. name: Name of the mask. area: Area of mask. Set to the "X, Y, width, height" format. The unit is mm.
choice	Sets the title and the ID card list of the ID card selection window. If the ID card number in ids is one or items is not set, the first ID card added to ids is scanned. title: Title of the ID card selection window.

	items: ID card list of the ID card selection window. This value can be set to multiple values using ",".
options	Sets the other options. shootaction: Operation mode of the [Shoot] button. Set it to either forceshoot or refocusing. The default value is forceshoot. showmaskguide: Sets whether to show the masking guide in the scanning screen. The default value is true.

Sets the ID card scanning options as follows using the item keys and then set this parameter value.

```
{
  "ids":
  [
    {
      "id": "1",
      "name": "Driver license 1",
      "size": "86x54",
      "margin": "3",
      "mask":
      [
        {"name": "STATE", "area": "33,19,28,3"},
        {"name": "DL", "area": "54,9,28,6"},
        {"name": "EXP", "area": "71,39,9,3"},
        {"name": "SEX", "area": "32,47,15,3"}
      ]
    },
    {
      "id": "2",
      "name": "Driver license 2",
      "size": "86x54",
      "margin": "3",
      "mask":
      [
```

```
        {"name": "STATE", "area": "47,19,30,3.5"},
        {"name": "PHOTO", "area": "54,8,28,6"},
        {"name": "SEX", "area": "71,39,9,3"},
        {"name": "HAIR", "area": "32,47,15,3"}
    ]
}
],
"choice": {"title": "Please select an ID card.", "items": "1,2"},
"options": {"shootaction": "refocusing", "showmaskguide": "false"}
}
```

eform.imagepicker_save_editdata

Sets whether to save the edit history in the Edit mode of ImagePicker when saving a report in OZD.

Values

true	Save
false	Do not save(The default value)

Reference

Use this parameter if you want to save edit history such as taking photos or entering comments in the Edit mode of ImagePicker in OZD and then opening the saved OZD file to continue editing the existing file as it is.

eform.imagepicker_seal_stylejson

Sets the option to show a description when scanning stamp.

Reference

HTML5JS viewer is only supported in Mobile.

Sets the parameter value in the following format:

```
{"Key1":"Value1","Key2":"Value2",...,"Keyn":"Valuen"}.
```

The configurable keys are as follows:

Key	Description
description	Description(The default value is empty). When set to an empty value, the following description will be shown. "The stamp is automatically recognized by scanning the scan area."
show_description	Whether to show a description(The default value is true)

eform.input_guide_rule

Sets whether to move the main screen to the position of the sub screen in the Viewer mode when an input component is focused on the sub screen.

Values

default	Moves regardless of whether the screen is in the Viewer mode(The default value)
guidemode_only	Moves only when the screen in the Guide mode

eform.inputcomponent_toolbar_button_json

Sets the button position of the input toolbar.

Reference

Set the parameter value as a string in the following JSON format:

```
{"all":{"left_align":"button to be displayed on the left side of the toolbar","right_align":"button to be displayed on the right side of the toolbar"}}
```

The configurable keys are as follows:

Key	Description
prev	Prev button
next	Next button
clear	Clear button
ok	OK button
cancel	Cancel button
reusablesign	Reuse button
draw	Draw/Delete button

To set the position of the sign input toolbar button, set the [eform.signpad_viewtype](#) parameter value to one of "keepratio", "keepratioandfittoframe", or "scrollable", and set the ButtonValue value of [eform.custom_ui](#) to "always" or "mainscreenonly".

eform.inputeventcommand

Sets whether to use the OZFormInputEventCommand event.

Values

true	Use
false	Do not use(The default value)

eform.okbutton_actiontype

Sets the action to be executed when clicking the [OK] button in the input toolbar.

Values

done	Completes the input(The default value)
next	Moves to the next component

eform.onvaluechanged_callrule_json

Sets when the OnValueChanged event of the DateTimePicker, NumericUpDown, SignPad or TextBox is called.

Reference

Set the parameter values in the following format:

```
{"ComponentType1":"OnValueChangedType1","ComponentType2":"OnValueChangedType2",..., "ComponentTypen":"OnValueChangedTypen"}.
```

The key supported by each viewer type is as follows:

Viewer Type	Component Type
EXE	datetimepicker, numericupdown, textbox
HTML5JS	datetimepicker, numericupdown, signpad, textbox. However, signpad is applied only when the eform.signpad_type parameter value is "dialog".
Android, iOS	signpad, textbox

To apply the same OnValueChangedType to all ComponentType, set ComponentType to "all". OnValueChangedType can be set to "changed" or "endinput". If it is set to "changed", then it is called whenever the input value is changed. If it is set to "endinput", then it is called only once when the the input value is changed at the time input is completed.

If no value is set, then "changed" is applied. However, if a signature is executed in HTML5JS/Android/iOS Viewer, then "endinput" is applied.

If DateTimePicker is executed with HTML5JS viewer in Android, then "endinput" is applied regardless of the parameter value.

eform.placeholder_display_type

Set the display type of the placeholder.

Values

alwayshide	Always hides the placeholder
alwaysshow	Always shows the placeholder

showenableonly	Always only shows the placeholder of enabled components. Always hides the placeholders of disabled components
showpreviewonly	Shows placeholders only when previewing, but not when saving/printing(The default value)
showpreviewonly,showenableonly	Shows the placeholder of enabled components only when previewing, but not when saving/printing. Always hides the placeholders of disabled components

eform.prev_next_constraint_rule

Sets additional constraint rules when using the prev/next function.

Values

empty_only	Allows to move prev/next only between input components with an empty value
none	No additional constraints(The default value)

eform.prev_next_required_rule

Sets the previous/next sequence between input components whose required input property value is true.

Values

default	Do not use(The default value)
---------	-------------------------------

either_required_or_order	Move only between components whose required property is set to true or according to the order set in design time
required_only	Move only between components whose required property is set to true

Reference

To use this parameter, please do not set FormID of prev/next and set the [eform.highlightpen_guide](#) parameter value to none and the [multiscreen.highlightpen_guide](#) parameter value to false.

eform radiobutton_show_enableonly

Sets whether to only show enabled radio buttons in the input dialog.

Values

true	Shows only enabled radio buttons. Does not show disabled status
false	Shows all regardless of whether enabled or disabled(The default value)

Reference

However, to use this feature in the RadioButton, set the "Group Name" property of the RadioButton to the name of the RadioButtonGroup and set the [eform.radiobutton_type](#) parameter to dialog or dialog_at_prev_next.

eform.radiobutton_type

Sets the execution type of RadioButton.

Values

dialog	Run as a dialog box
dialog_at_prev_next	Run as a dialog box only when the RadioButton is selected due to the previous/next sequence
direct	Click directly on the preview screen(The default value)
ensurevisible_at_prev_next	Click directly on the preview screen(The default value)

Reference

If this parameter value is "dialog" or "dialog_at_prev_next" and you click on the RadioButton, the RadioButton with the same group name is displayed in the dialog box and the [Cancel]/[OK] buttons are displayed on the top-right of the dialog box.

eform.resourceparam

Sets the resource-related parameters of input components.

Reference

The default value is empty.

Sets the parameter value in the following format:

"Key1=Value1,Key2=Value2,...,Keyn=Valuen".

The configurable keys are as follows: However, you can only sign component.

Key	Description
prev_url	[Prev] button image path(Enabled)
prev_disable_url	[Prev] button image path(Disabled)
next_url	[Next] button image path(Enabled)
next_disable_url	[Next] button image path(Disabled)
reset_url	[Clear] button image path
reusable_url	[Reuse] button image path
cancel_url	[Cancel] button image path
complete_url	[OK] button image path
window_bgcolor	Input area background color(The default value is DADDE1)
title_fontname	Title font name
title_fontsize	Title font size(The default value is 12)
title_fontcolor	Title font color(The default value is 000000)
title_bgcolor	Title area background color(The default value is DADDE1)
signpad_header_bgcolor	Background color of the header area(The default value is BFBFBF)

Key	Description
signpad_draw_url	[Draw] button image path(Enabled)
signpad_draw_disable_url	[Draw] button image path(Disabled)
signpad_erase_url	[Delete] button image path(Enabled)
signpad_erase_disable_url	[Delete] button image path(Disabled)
signpad_seal_url	[Seal] button image path. Only applies to HTML5JS Viewer. Also, only signatures with dialog, embedded as the signature type and the SetExternalModule("OZSeal") function entered are supported

The available image format is JPG, PNG, GIF and BMP. If the image height is not 40, the image size is resized by the same percentage in accordance with 40.

To set the signature toolbar button image path, set the [eform.signpad_type](#) parameter value to dialog.

If you set a title font size larger than 41, the title displayed will be truncated.

eform.show_prev_next_input

Sets whether to display the [Prev]/[Next] buttons in the input window.

Values

true	Display
------	---------

false	Do not display(The default value)
-------	-----------------------------------

Reference

The position of the [Prev]/[Next] buttons are different for each component.

- SignPad: Depends on the value of [eform.signpad_prev_next_iconposition](#). Please set the [eform.signpad_type](#) to keypad or zoom.
- TextBox: Depends on the value of [eform.textbox_iconalignment](#).
- RadioButton, ComboBox, DateTimePicker, NumericUpDown: The [Prev]/[Next] buttons are displayed on the top-left of the dialog, the [Cancel]/[OK] buttons are displayed on the top-right of the dialog. Please set [eform radiobutton_type](#) to dialog when using the RadioButton.
- ImagePicker: Depends on the value of [eform.imagepicker_camera_prev_next_iconposition](#).
- VoiceRecorder: The [Prev] button is displayed on the top-left of the raecording window, the [Next] button is displayed on the top-right of the recording window.

If the [viewer.pagedisplay](#) parameter value is singlepage or doublepage, you can move to previous/next components only in the current page. In other cases, you can move in other pages. But if you set [viewer.pagenavigate_by_prev_next](#) parameter value to true, you can move in other pages.

If there are no movable components, the [Prev]/[Next] buttons are not displayed on the screen regardless of the value of the parameter.

eform.showreverthistory

Sets whether to display the [Revert] button in the Show saved history dialog.

Values

true	Display(The default value)
------	----------------------------

false	Do not display
-------	----------------

eform.signpad_highlightcolor

Sets the highlighting color of the signature area.

Reference

The default value is "FF0000".

This parameter applies when the [eform.signpad_type](#) parameter value is not set to direct.

eform.signpad_iconalignment

Sets the alignment of the [Prev]/[Next]/[Clear]/[OK] buttons when the signature type is "keypad".

Values

justify	The [Prev]/[Clear] or [Prev]/[Next] buttons are displayed on the top-leftmost of the signature pad and the [OK]/[Next] or [Clear]/[OK] buttons are displayed on the top-rightmost of the signature pad(The default value)
left	The [Prev]/[Next]/[Clear]/[OK] buttons are displayed on the top-leftmost of the signature pad
right	The [Prev]/[Next]/[Clear]/[OK] buttons are displayed on the top-rightmost of the signature pad

Reference

The display order of the signature button is dependent on the [eform.signpad_prev_next_iconposition](#) parameter value.

If this parameter and the [eform.inputcomponent_toolbar_button_json](#) parameter are set, then the value set in the [eform.inputcomponent_toolbar_button_json](#) parameter is applied.

eform.signpad_iconposition

Sets the position of the [Clear]/[OK] buttons when the signature type is "zoom".

Values

sign_bottom	The [Clear]/[OK] buttons are displayed on the bottom-center of the outer signature area(The default value)
sign_top	The [Clear]/[OK] buttons are displayed on the top-center of the outer signature area
viewer_bottom	The [Clear] button is displayed on the bottom-left of the viewer area and the [OK] button is displayed on the bottom-right of the viewer area
viewer_top	The [Clear] button is displayed on the top-left of the viewer area and the [OK] button is displayed on the top-right of the viewer area

Reference

If the [Clear]/[OK] buttons are displayed in the same location as the [Prev]/[Next] buttons, the [Clear]/[OK] buttons are displayed on the right depending on the position of the [Prev]/[Next] buttons.

eform.signpad_keepbackgroundcolor

Sets whether to keep the entered signature's background color that was set during design.

Values

true	Keeps the background color
false	Changes the background color to white(The default value)

Reference

If the parameter value is set to "true", the background color of the signpad is changed to that of the background of the signature.

eform.signpad_only_draw_with_stylus_pen

Sets whether to restrict signatures to be inputted only with a pen.

Values

true	Use stylus pen only when inputting a signature
false	Allow users to use both a finger and a stylus pen when inputting a signature(The default value)

Reference

If the parameter value is set to true, you can use your finger only for selecting the signature toolbar icon and if you attempt to input a signature with your finger, the signature will not be inputted.

eform.signpad_pen_thickness

Sets the Signature Pen Thick.

Reference

Sets the pen thickness of the signpad to a value greater than 0.

eform.signpad_prev_next_iconposition

Sets the position of the [Prev]/[Next] buttons when the signature type is "keypad" or "zoom".

Values

sign_bottom	If the signature type is "zoom", the [Prev] button is displayed on the bottom-leftmost area outside of the signature and the [Next] button is displayed on the bottom-rightmost area outside of the signature. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Clear] buttons are displayed on the bottom-leftmost of the signature pad, the [OK]/[Next] buttons are displayed on the bottom-rightmost of the signature pad
sign_bottom_left	If the signature type is "zoom", the [Prev]/[Next] buttons are displayed on the bottom-leftmost the of signature outside area. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Next] buttons are displayed on the bottom-leftmost of the signature pad and the [Clear]/[OK] buttons are displayed on the bottom-rightmost of the signature pad

sign_top	If the signature type is "zoom", the [Prev] button is displayed on the top-leftmost area outside of the signature and the [Next] button is displayed on the top-rightmost area outside of the signature. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Clear] buttons are displayed on the top-leftmost of the signature pad and the [OK]/[Next] buttons are displayed on the top-rightmost of the signature pad(The default value)
sign_top_left	If the signature type is "zoom", the [Prev]/[Next] buttons are displayed on the top-leftmost area outside of the signature. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Next] buttons are displayed on the top-leftmost of the signature pad and the [Clear]/[OK] buttons are displayed on the top-rightmost of the signature pad
viewer_bottom	If the signature type is "zoom", the [Prev] button is displayed on the bottom-leftmost of the viewer area and the [Next] button is displayed on the bottom-rightmost of the viewer area. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Clear] buttons are displayed on the top-leftmost of the signature pad and the [OK]/[Next] buttons are displayed on the top-rightmost of the signature pad
viewer_bottom_left	If the signature type is "zoom", the [Prev]/[Next] buttons are displayed on the bottom-leftmost of the viewer area. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If

	the signature type is "keypad", the [Prev]/[Next] buttons are displayed on the top-leftmost of the signature pad and the [Clear]/[OK] button are displayed on the top-rightmost of the signature pad
viewer_top	If the signature type is "zoom", the [Prev] button is displayed on the top-leftmost of the viewer area and the [Next] button is displayed on the top-rightmost of the viewer area. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Clear] buttons are displayed on the top-leftmost of the signature pad and the [OK]/[Next] buttons are displayed on the top-rightmost of the signature pad
viewer_top_left	If the signature type is "zoom", the [Prev]/[Next] buttons are displayed on the top-leftmost of the viewer area. The location of the [Clear]/[OK] buttons are set according to the value of eform.signpad_iconposition . If the signature type is "keypad", the [Prev]/[Next] buttons are displayed on the top-leftmost of the signature pad and the [Clear]/[OK] buttons are displayed on the top-rightmost of the signature pad

Reference

The alignment of the signature button is dependent on the [eform.signpad_iconalignment](#) parameter value when the signature type is " keypad".

If not only the [eform.inputcomponent_toolbar_button_json](#) parameter is set, but also this parameter is set, then only the value set in the [eform.inputcomponent_toolbar_button_json](#) parameter is applied.

eform.signpad_reusablesign_rule

Sets the rules for applying the reusable signature data.

Values

auto	Automatically loaded when signature pad is displayed
button	Loaded when Reuse button is clicked(The default value)
none	Disable reusable signature function

Reference

The EXE Viewer is only supported in multi-screen environment.

eform.signpad_show_draw_erase_button

Sets whether to display the [Draw] and [Delete] buttons.

Values

true	Display(The default value)
false	Do not display

Reference

This feature only works when the draw_erase_visible type value of [eform.custom_ui](#) is set to "always".

eform.signpad_type

Sets the signature type.

Values

dialog	Signature pad modal dialog at the bottom of the window is displayed when clicking the sign
direct	Signed immediately when clicking the sign
embedded	The signpad is displayed at the bottom of the window when clicking the signature
keypad	Signature pad at the bottom of the window is displayed when clicking the sign
zoom	Signature area is highlighting and zoom the report when clicking the sign

Reference

Signature type supported by viewer type is as follows.

Viewer Type	Signpad Type
EXE	dialog(The default value), direct
HTML5JS	dialog, direct, embedded(The default value)
Android	dialog, embedded(The default value), keypad, zoom
iOS	dialog, embedded(The default value), zoom

eform.signpad_use_pen_pressure

Sets whether to apply pen pressure when entering a signature with a stylus pen.

Values

true	Apply(The default value)
false	Do not apply

eform.signpad_viewtype

Sets view type of signpad.

Values

fittoframe	Displays the entire signpad as a signature area. When signing in groups, the signature areas are evenly distributed horizontally by the number of signatures
fittoframeandkeepratio	Displays the entire signpad as a signature area. When signing in groups, the signature areas are horizontally distributed, proportionally to the width of each signature
fittoframeverticalalign	Displays the entire signpad as a signature area. When signing in groups, the signature areas are vertically distributed, proportionally to the width of each signature
keepratio	Displays the signpad area in proportion to the signature size. When signing in groups, the signature areas are evenly distributed vertically. There is no undo button to revert back to the previous signature(The default value)
keepratioandfittoframe	Displays the entire signpad area as a signature area. When signing in groups, the signature areas are horizontally distributed, proportionally to the width of each signature. There is no undo button to revert back to the previous signature

scrollable	Displays a horizontal scroll at the bottom of the signpad when the width of the viewer window is smaller than the width of the signpad. When signing in groups, it works the same as KeepRatio. There is no undo button to revert back to the previous signature
------------	---

Reference

This parameter only works if the [eform.signpad_type](#) parameter value is not direct or zoom.

Additionally, scrollable is not supported by EXE Viewer.

eform.signpad_zoom

Sets the report zoom ratio when the signature type is "zoom".

Reference

The default value is 500.

Applied only if the [eform.signpad_type](#) parameter value is "zoom".

eform.textbox_iconalignment

Sets the alignment of the [Prev]/[Next]/[Done] button that appear in the text input window.

Values

justify	The [Prev]/[Next] buttons are displayed on the top-leftmost of text input window and the [Done] button are displayed on the top-rightmost of text input window(The default value)
---------	---

left	The [Prev]/[Next]/[Done] button are displayed on the top-leftmost of text input window
right	The [Prev]/[Next]/[Done] button are displayed on the top-rightmost of text input window

Reference

If not only the [eform.inputcomponent_toolbar_button_json](#) parameter is set, but also this parameter is set, then only the value set in the [eform.inputcomponent_toolbar_button_json](#) parameter is applied.

eform.textbox_passwordchar

Sets the password character in the text box.

Values

asterisk	Marked by asterisk
bullet	Marked by bullet(The default value)

Reference

In the HTML5JS viewer, when the mouse is over the text box or the focus is in the text box, the password character is always marked with an bullet regardless of the parameter values.

In the iOS Viewer, when the focus is in the text box, the password character is always marked with an bullet regardless of the parameter values.

In other conditions, depending on the parameter value.

eform.togglebutton_type

Sets the execution type of ToggleButton.

Values

dialog	Run as dialog box
dialog_at_prev_next	Run as dialog box, only when the ToggleButton is selected due to previous/next sequence
direct	Click directly on the preview screen(The default value)
ensurevisible_at_prev_next	If the previous/next sequence is a ToggleButton, automatically scroll to reports in the area that can display a ToggleButton and stop previous/next sequence

eform.use_highlight_mode

Sets the highlighting style of the input component.

Values

callbysetfocus	Highlights when focusing with the SetFocus function
ensurevisible_at_prev_next	Highlights when focusing in the previous/next order
ensurevisible_at_prev_next, callbysetfocus	Highlights when focusing in the previous/next order or with the SetFocus function

none	No highlight(The default value)
------	---------------------------------

eform.use_image_rotation_editor

Sets whether to execute the image editing dialog.

Values

true	Execute the dialog(The default value)
false	Do not execute the dialog

Reference

This function works when an image is added by using ImagePicker or AttachmentButton.

But, to use this function in ImagePicker, set the

[eform.imagepicker_camera_show_choose_button](#) parameter value to true. Also, if the

ImagePicker is set to the ImageFilter, please delete the SetEditType function of the ImageFilter.

HTML5 Viewer is only supported in Mobile.

eform.usedialogueflow

Sets whether to use the DialogueFlow function.

Values

true	Use
false	Do not use(The default value)

Reference

If you set this parameter to true, OZ Viewer will run as a conversational user interface.

eform.usemultiscreen

Sets whether to use the multiscreen function.

Values

true	Use
false	Do not use(The default value)

Reference

To use this function, the multiscreen program must be driven normally and OZMultiscreen.dll file must be located in the same path as the ozcviewer.exe file.

In a multiscreen environment, the Freeze function will not work.

eform.voicerecorder_recording_timeout

Sets recording time limit.

Reference

The default value is 0 and the unit is second.

Sets to a value between 0 and 3600. If set value to 0, records without time limit.

eform_xml

Sets the options to save the eform_xml file.

When stored in the eform_xml file, the "Execute after save", "Save as one file" and "Save all document" options will be applied.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
eform_xml.filename			X	X	X
eform_xml.groupbyreport			X	X	X
eform_xml.path			X	X	X

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eform_xml.filename

Sets the file name.

eform_xml.groupbyreport

Sets whether grouped by reports when you get the value of the input component in XML-formatted text.

Values

true	Grouped by reports
false	Not grouped by reports(The default value)

Reference

XML format is returned, depending on the parameter values are as follows:

false

```
<ozform>
  <The name of component1>Value</The name of component1>
  <The name of component2>Value</The name of component2>
  ...
</ozform>
```

true

```
<ozform>
  <report name="The display name of the first report">
    <The name of component1>Value</The name of component1>
    <The name of component2>Value</The name of component2>
    ...
  </report>
  <report name="The display name of the second report">
    <The name of component1>Value</The name of component1>
    <The name of component2>Value</The name of component2>
    ...
  </report>
  ...
</ozform>
```

eform_xml.path

Sets the file path.

etcmenu

Sets sub menu of etc menu.

The group name and display order of sub menu is as follows:

- file(open, close, closeall, save, print)
- screentool(handtool, edittool)
- option(showtree, refresh, addmemo, savedm)
- pageselection(pagenavigator)
- pagecontrol(pagesetup, inversepaper, singlepagecontinuous_fittowidth, singlepage_fittoframe)
- finds(find)
- About

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
etcmenu.about	O	O	O	O	O
etcmenu.addarrow	O	O	X	X	X
etcmenu.addcheckmark	O	O	X	X	X
etcmenu.addcircle	O	O	X	X	X
etcmenu.addline	O	O	X	X	X
etcmenu.addmemo	O	O	X	X	X
etcmenu.addrectangle	O	O	X	X	X
etcmenu.close	O	O	X	O	O
etcmenu.closeall	O	O	X	O	O

etcmenu.copyinputdata_json	○	○	X	○	○
etcmenu.copyinputdata_xml	○	○	X	○	○
etcmenu.edittool	○	○	X	X	X
etcmenu.find	○	○	X	○	○
etcmenu.handtool	○	○	X	X	X
etcmenu.inputparameter	X	X	X	○	○
etcmenu.multiscreenguide	○	X	X	X	X
etcmenu.inversepaper	○	○	X	○	○
etcmenu.open	○	○	X	○	○
etcmenu.ozdhistory	X	○	X	○	○
etcmenu.pagenavigator	X	○	○	○	○
etcmenu.pagesetup	○	○	X	○	○
etcmenu.parameter	X	X	X	○	○
etcmenu.print	○	○	○	○	○
etcmenu.refresh	○	○	X	○	○
etcmenu.save	○	○	○	○	○
etcmenu.savedm	○	○	X	○	○
etcmenu.showconsole	○	○	○	X	X
etcmenu.showpagesorter	○	X	X	X	X
etcmenu.showthumbnail	○	○	○	○	○
etcmenu.showtree	○	○	○	○	○
etcmenu.singlepage_fittoframe	○	○	○	○	○
etcmenu.singlepagecontinuous_fittowidth	○	○	○	○	○

etcmenu.textselecttool	O	O	X	X	X
------------------------	---	---	---	---	---

 Only e-Form

etcmenu.about

Sets whether to display the [About] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.addarrow

Sets whether to display the [Add arrow] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.addcheckmark

Sets whether to display the [Add checkmark] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.addcircle

Sets whether to display the [Add circle] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.addline

Sets whether to display the [Add line] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.addmemo

Sets whether to display the [Add memo] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.addrectangle

Sets whether to display the [Add rectangle] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.close

Sets whether to display the [Close] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.closeall

Sets whether to display the [Close all] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.copyinputdata_json

Sets whether to display the [Copy input data (json)] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

Reference

When you click this menu, replaces the input value of input components as a JSON format string and then copies to the clipboard. However, in Android Viewer, the dialog box to select the text-editing app is run and the JSON format string is passed to the app that you have selected.

This parameter values work as true in the e-Form Designer.

etcmenu.copyinputdata_xml

Sets whether to display the [Copy input data (xml)] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

Reference

When you click this menu, replaces the input value of input components as an XML format string and then copies to the clipboard. However, in Android Viewer, the dialog box to select the text-editing app is run and the XML format string is passed to the app that you have selected.

This parameter values work as true in the e-Form Designer.

etcmenu.edittool

Sets whether to display the [Edit tool] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.find

Sets whether to display the [Search] menu on the etc menu.

Values

true	Display
false	Do not display

Reference

In the Android/iOS Viewer, the default value is "true". In other viewers, the default value is "false".

etcmenu.handtool

Sets whether to display the [Hand tool] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.inputparameter

Sets whether to display the [Input parameters] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

Reference

The [Input parameters] menu is disabled in reports without parameters.

etcmenu.inversepaper

Sets whether to display the [Inverse Paper] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.multiscreenguide

Sets whether to display the [Guide mode] on the etc menu.

Values

true	Display(The default value)
false	Do not display

Reference

To use this parameter, please set the [eform.usemultiscreen](#) parameter value to true.

etcmenu.open

Sets whether to display the [Open] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.ozdhistory

Sets whether to display the [Show saved history] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

Reference

The [Show saved history] menu is displayed only for an OZD in which the changed history of an input component is saved. Otherwise, this menu is not displayed.

The [Show saved history] menu is possible to use only in iOS 8.0 or later.

This function can save the changed history of input components when you save OZD and search for the saved history. To use the function, set the [ozd.includeedithistory](#) parameter to true and change the input component value and save the report as OZD format. If you open the OZD that you saved, the [Show saved history] menu is displayed on the etc menu and you can search for the saved history by selecting the [Show saved history] menu.

The list of saved history is displayed according to the rules below.

- The sort date and time in descending order.
- The parameter value of [ozsystem.user_name](#) and [ozsystem.user_id](#) is displayed in "user_name (user_id)" format under the date of saved history when you save the file as OZD format. If only the parameter value of [ozsystem.user_id](#) is set, it is displayed in the "user_id" format.

Details are displayed according to the rules below.

- Displayed in a group by page.
- If there is a FormID, the component name is displayed as FormID and if there is not, it is displayed as a component name. Also, if FormID or the component name is duplicated, it is saved separately and displayed.

- The component to be saved and the content to be displayed are the same as shown in the table below.

Component	Content
CheckBox	Icon and text indicating whether to check or not
RadioButton	Text of checked RadioButton among RadioButton grouped as RadioButtonGroup.
TextBox	Text
SignPad	View signature icon By clicking the icon, a pop-up window is executed and allows you to check the content
ImagePicker	View image icon By clicking the icon, a pop-up window is executed and allows you to check the image
ComboBox	Text of a selected item
NumericUpDown	Number value
DateTimePicker	Date
VoiceRecorder	Recording listening icon By clicking the icon, the player is executed and allows you to check the content. Note that HTML5JS viewer does not support the recording listening icon

Component	Content
ToggleButton	Text of selected item
AttachmentButton	View attachment file icon When the view attachment file icon is selected, a pop-up window opens, which allows you to check the attached file. Note that HTML5JS viewer does not support the view attachment file icon

etcmenu.pagenavigator

Sets whether to display the page navigator or the page coordinate window on the etc menu.

Values

true	Display(The default value)
false	Do not display

Reference

The PC Viewer displays the page coordinate window. The Mobile Viewer displays the page navigator.

etcmenu.pagesetup

Sets whether to display the [Page setup] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.parameter

Sets whether to display the [Parameter toolbar] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

Reference

The [Parameter toolbar] menu is disabled in reports without the parameter toolbar.

etcmenu.print

Sets whether to display the [Print] menu on the etc menu.

Values

true	Display
false	Do not display

Reference

In the Android/iOS Viewer, the default value is "true". In other viewers, the default value is "false".

etcmenu.refresh

Sets whether to display the [Report refresh] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.save

Sets whether to display the [Save] menu on the etc menu.

Values

true	Display
false	Do not display

Reference

In the Android/iOS Viewer, the default value is "true". In other viewers, the default value is "false".

etcmenu.savedm

Sets whether to display the [Save data] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.showconsole

Sets whether to display the [Show console] menu on the etc menu.

Values

true	Display
false	Do not display

Reference

HTML5 Viewer is only supported in PC.

etcmenu.showpagesorter

Sets whether to display the [Show page sorter] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.showthumbnail

Sets whether to display the [Show thumbnail] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.showtree

Sets whether to display the [Show tree] menu on the etc menu.

Values

true	Display(The default value)
false	Do not display

etcmenu.singlepage_fittoframe

Sets whether to display the [Single Page Fit Screen] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.singlepagecontinuous_fittofitwidth

Sets whether to display the [Single Page Continuous Fit Width] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

etcmenu.textselecttool

Sets whether to display the [Text Select tool] menu on the etc menu.

Values

true	Display
false	Do not display(The default value)

Reference

To enable this menu, you must set the [viewer.usertextselectmenu](#) parameter value to true.

excel

Sets the options to save the XLS file.

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_xlswriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackXLS.framework) in the Xcode project.
2. Call the `__OZExportPack_load_excel2003()` function before using this function.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
excel.autofit	O	O	O	O	O
excel.autofitheight	O	O	O	O	O
excel.autofitwidth	O	O	O	O	O
excel.convertedimagedpi	O	O	O	O	O
excel.filename	O	O	O	O	O
excel.freezepanes_column	O	O	O	O	O
excel.freezepanes_row	O	O	O	O	O
excel.insert_horizontal_pagebreaks	O	O	O	O	O
excel.largebundle	O	O	X	O	O
excel.matchmode	O	O	O	O	O

excel.matchsubmode	O	O	O	O	O
excel.minimum_cellheight	O	O	O	O	O
excel.minimum_cellwidth	O	O	O	O	O
excel.numberformat	O	O	O	O	O
excel.path	O	X	X	X	O
excel.removeblank	O	O	O	O	O
excel.removeoption	O	O	O	O	O
excel.removeorange	O	O	O	O	O
excel.removeorange	O	O	O	O	O
excel.removeorange	O	O	O	O	O
excel.savebyhtml	O	O	O	O	O
excel.savedatetype	O	O	O	X	X
excel.savefont	O	O	X	O	O
excel.savefontsize	O	O	O	O	O
excel.savelinkurl	O	O	O	O	O
excel.savememo	O	O	X	O	O
excel.savemode	O	O	O	O	O
excel.savenumbertype	O	O	O	O	O
excel.savetogeneral	O	O	O	O	O
excel.showgridlines	O	O	O	O	O
excel.shrinktofit	O	O	O	O	O
excel.use_default_color_palette	O	O	O	O	O
excel.zoom	O	O	O	O	O

excel.autofit

Sets the "Auto Selected" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.autofitheight

Sets the "Height" of the "Auto Select" option.

Reference

The default value is 1.

Applies only if the "[excel.autofit](#)" parameter value is "true".

See Also

Excel Save Option Dialog Box

excel.autofitwidth

Sets the "Width" of the "Auto Select" option.

Reference

The default value is 1.

Applies only if the "[excel.autofit](#)" parameter value is "true".

See Also

Excel Save Option Dialog Box

excel.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96 and the unit is in dpi.

excel.filename

Sets the file name.

See Also

[export.applyformat](#), [export.format](#)

Save Dialog Box

excel.freezepanes_column

Sets the "Column" of the "Freeze panes" option.

Reference

Set to a value between A and IV.

excel.freezepanes_row

Sets the "Row" of the "Freeze panes" option.

Reference

Set to a value between 1 and 32767.

excel.insert_horizontal_pagebreaks

Sets whether to add the horizontal page break.

Values

true	Add the horizontal page break
false	Do not add the horizontal page break(The default value)

Reference

Applies only if more than two pages should be exported and the "[excel.removeblank](#)" parameter value is "false" and the "[excel.savemode](#)" parameter value is "keepform".

excel.largebundle

Sets the "Save one page" option in the Basic Save Option Dialog Box when you save the report to XLS.

Values

true	Check
false	Do not check(The default value)

Reference

Please use this parameter when you want to set the "Save one page" option to work independently only XLS regardless of the different formats. For example, the "Save one page" option is checked only in in XLS when set to "excel.largebundle=true, [export.largebundle=false](#)". Likewise, the "Save one page" option is unchecked only in XLS when set to "excel.largebundle=false, [export.largebundle=true](#)". The above rules still apply even if you check or uncheck the "Save one page" option in the Viewer window.

Please set "[viewer.largebundle=true](#)" when trying to save the report to a single page when the report is exported directly without previewing.

See Also

Basic Save Option Dialog Box

excel.matchmode

Sets the "Save type" option.

Values

columnpersheet	The "Column pages per sheet" option is checked(The default value)
----------------	---

pagepersheet	The "Page per sheet" option is checked
--------------	--

Reference

If the value of the parameter is set to "columnpersheet", the same column is saved in the same sheet and if the value of the parameter is set to "pagepersheet", each page is saved as a separate sheet.

See Also

Excel Save Option Dialog Box

excel.matchsubmode

Sets the "Column first" or "Row first" option.

Values

columnfirst	The "Column first" option is checked
rowfirst	The "Row first" option is checked(The default value)

Reference

Effective only when "[excel.matchmode](#)=pagepersheet".

See Also

Excel Save Option Dialog Box

excel.minimum_cellheight

Sets the "Height" of the "Minimum Cell Size" option.

Reference

The default value is 1.

Effective only when "[excel.savemode=keepform](#)".

See Also

Excel Save Option Dialog Box

excel.minimum_cellwidth

Sets the "Width" of the "Minimum Cell Size" option.

Reference

The default value is 1.

Effective only when "[excel.savemode=keepform](#)".

See Also

Excel Save Option Dialog Box

excel.numberformat

Sets the format of the "Format" option.

Reference

The default value is #,##0.

To delete the format, please set this parameter value to default.

See Also

Excel Save Option Dialog Box

excel.path

Sets the file path.

See Also

Save Dialog Box

excel.removeblank

Sets the "Remove blank lines between pages" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.removeoption

Sets the remove line option.

Values

firstpageexcept	The "Except first page" option is checked
firstpageonly	The "Only first page" option is checked
allpage	The "All pages" option is checked(The default value)

See Also

Excel Save Option Dialog Box

excel.removeorange

Sets the start line and end line of the "Line" option, set in the "StartLine, EndLine" format.

Reference

This parameter has lower priority than the "[excel.removeoranges](#)" parameter.

See Also

Excel Save Option Dialog Box

excel.removeoranges

Sets the line range of the "Line" option, set in the "StartLine-EndLine,Line,StartLine-EndLine" format.

Reference

This parameter has higher priority than the "[excel.removeorange](#)" parameter.

See Also

Excel Save Option Dialog Box

excel.savebyhtml

Sets the "Save as mht" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.savedatetype

Sets the "Convert date format text to date and time" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.savefont

Sets the "Font" of the "Font" option.

See Also

Excel Save Option Dialog Box

excel.savefontsize

Sets the "Size" of the "Font" option.

See Also

Excel Save Option Dialog Box

excel.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

excel.savememo

Sets the save option for memos and callout shapes when saving a XLS file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

excel.savemode

Sets the "Save mode" option.

Values

keepform	The "Keep the report form" option is checked(The default value)
ignoreprops	The "Ignore color, border, merge cell" option is checked
ignoreblank	The "Remove adjacent cell after dividing" option is checked

See Also

Excel Save Option Dialog Box

excel.savenumbertype

Sets the "Numeric type text convert to number" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.savetogeneral

Sets the "Convert data to general(cell format)" of the "Format" option.

Values

true	Check
false	Do not check(The default value)

Reference

This parameter has higher priority than the "[excel.numberformat](#)" parameter.

See Also

Excel Save Option Dialog Box

excel.showgridlines

Sets the "Show gridlines" of the "Display option" option.

Values

true	Check(The default value)
false	Do not check

See Also

Excel Save Option Dialog Box

excel.shrinktofit

Sets the "Shrink to fit" of the "Text control" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

excel.use_default_color_palette

Sets whether to use the basic color palette in Excel.

Values

true	Use the basic color palette in Excel(The default value)
------	---

false	Use the color used in the report
-------	----------------------------------

Reference

If the `excel.use_default_color_palette` parameter is set to false, the default color palette of excel is changed to the color specified on the label("Text Color", "Background Color", "Border Color"). There are 56 color palettes in Excel. OZ Viewer can set the color of 54 kinds except for black and white.

The palette colors are applied in the order in the component tree. The color specified on the label in the following order applies to the color palette.(Text Color -> Background Color -> Left Border Color -> Top Border Color -> Bottom Border Color -> Right Border Color)

To save the label color as it appears on the screen when saving the report to Excel, set `excel.use_default_color_palette` and the [excel.savebyhtml](#) values to false.

The [excel.savebyhtml](#) parameter value is true and `excel.use_default_color_palette` parameters are always applied as true.

excel.zoom

Sets the "Zoom In/Out" of "Ratio" option.

Reference

The default value is 100. Set to a value between 10 and 400.

export

Sets the saved options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
export.applyformat	O	O	O	O	O
export.confirmsave	O	X	X	X	O
export.displaynames	O	O	O	O	O
export.displaytargets	X	X	X	O	O
export.donot_export_at_invalid_image	O	O	X	O	O
export.donot_export_at_invalid_script	O	O	X	O	O
export.enablegul_ignorelocale	O	X	X	X	X
export.enablehwp_ignorelocale	O	O	O	O	O
export.executefile	O	X	X	O	O
export.exportbypage	O	O	O	O	O
export.externalmodule	O	X	X	X	X
export.filename	O	O	O	O	O
export.format	O	O	O	O	O
export.hidecontrols	O	O	O	O	O
export.keeplastpath	O	X	X	X	X
export.largebundle	O	O	X	O	O
export.lockcontrols	O	O	O	O	O

export.mode	O	O	O	O	O
export.pagerange	O	O	O	O	O
export.pages	O	O	O	O	O
export.path	O	X	X	X	O
export.savearrow	O	O	O	O	O
export.saveattachedpage	O	O	O	O	O
export.savebarcode	O	O	O	O	O
export.savechart	O	O	O	O	O
export.savecheckmark	O	O	X	X	X
export.savecircle	O	O	O	O	O
export.savedatamatrixbarcode	O	O	O	O	O
export.savehtml	O	O	O	O	O
export.saveimage	O	O	O	O	O
export.savelabel	O	O	O	O	O
export.saveline	O	O	O	O	O
export.savememo	O	O	X	O	O
export.savemultidoc	O	O	O	O	O
export.saveonefile	O	O	O	O	O
export.savepdf417	O	O	O	O	O
export.saveqrcode	O	O	O	O	O
export.saverect	O	O	O	O	O
export.showoverwritemessage	O	X	X	O	O
export.silentexecute	O	X	X	O	O

export.skip	O	O	O	O	O
export.target	O	X	X	O	O
export.uac	O	X	X	X	X
export.usedialogopt	O	O	O	O	O
export.useprogressbar	O	X	X	O	O
export.zip	O	O	O	O	O
export.zipfilename	O	O	O	O	O
export.zipfilename_postfix	O	O	O	O	O
export.zipfilename_prefix	O	O	O	O	O
export.zippassword	O	O	O	O	O
export.zippath	O	X	X	X	X

export.applyformat

Sets the "Save as type" option to be listed in the Save dialog box.

Values

cell	Haansoft Cell File(*.cell)
csv	Comma Separated Values File(*.csv)
doc	Microsoft Word 97-2003 Document(*.doc)
docx	Microsoft Word Document(*.docx)
gif	GIF Image(*.gif)
gul	Jungum Global File(*.gul)

han97	Hangul97 File(*.hml)
html	Web Page(*.html)
hwp	Hangul File(*.hwp)
hwpx	Hangul Standard File(*.hwpx)
jpg	JPEG File(*.jpg)
mht	Web Page Save File(*.mht)
nxl	Haansoft Nexcel File(*.nxl)
odt	Open Document Text(*.odt)
ozd	OZ Report Data File(*.ozd)
pdf	Adobe PDF File(*.pdf)
png	PNG Image(*.png)
ppt	Microsoft Presentation(*.ppt)
svg	Scalable Vector Graphics(*.svg)
tif	Tagged Image Format File(*.tif)
txt	Tab Separated(*.txt)
xls	Microsoft Excel 97-2003 File(*.xls)
xlsx	Microsoft Excel File(*.xlsx)

Reference

The parameter values can be set to multiple values using ",".

This parameter has lower priority than the "[export.displaynames](#)" parameter.

If you want to display Jungum Global File(*.gul), Hangul File (*. Hwp), Hangul Standard File(*.hwp), and Hangul97 File (*. Hml) formats regardless of the language, set the [export.enablegul_ignorelocale](#) and [export.enablehwp_ignorelocale](#) values to true.

See Also

Save Dialog Box

export.confirmsave

Sets whether to display the save path verification window.

Values

true	Display the Confirm file location window(The default value)
false	Do not display the Confirm file location window

Reference

Applies only if the "[export.mode](#)" parameter value is "showprogress" or "silent".

export.displaynames

Sets the "Save as type" option to be listed in the Save dialog box.

Reference

Set the parameter values in the following format:

"[Type1,Desc1][Type2,Desc2]..."

The available types are cell, csv, doc, docx, gif, gul, han97, html, hwp, hwpX, jpg, mht, nxl, odt, ozd, pdf, png, ppt, svg, tif, txt, xls and xlsx.

Sets the file type and file description.

This parameter has higher priority than the ["export.applyformat"](#) parameter.

See Also

Save Dialog Box

export.displaytargets

Sets whether to display disk, email, ozmail and share in the Save Dialog Box and sets their order. In addition, you can add the user-defined target.

Reference

The parameter values can be set to multiple values using a ",".

The disk, email, ozmail and share is displayed according to the viewer language, and the user-defined target is displayed with the same text in any language.

If you save the report as a user-defined target, the [export.executefile](#) and [export.savemultidoc](#) parameters work as false.

export.donot_export_at_invalid_image

Sets which report formats are not saved when an image loading error occurs.

Values

""	Saves all file formats when saving a report(The default value)
----	--

all	No saveable file format when saving a report
-----	--

Reference

File formats such as ozd, csv, txt, and hdm are not saved.

Even if this parameter value is set to "all", reports with an image loading error cannot be saved.

Furthermore, if "[global.concatpage=false](#)" is set and "Save all documents" is checked in a multi-report environment, all reports are saved except the ones with errors.

export.donot_export_at_invalid_script

Sets which report formats are not saved when an script error occurs.

Values

""	Saves all file formats when saving a report(The default value)
all	No saveable file format when saving a report

Reference

Even if this parameter value is set to "all", reports with an script error cannot be saved.

Furthermore, if "[global.concatpage=false](#)" is set and "Save all documents" is checked in a multi-report environment, all reports are saved except the ones with errors.

export.enablegul_ignorelocale

Sets whether to display the GUL format on the "Save as type" list.

Values

true	Display
false	Do not display(The default value)

Reference

If the language of viewer is Korean or English, this parameter does not apply.

export.enablehwp_ignorelocale

Sets whether to display the HWP, HWPX and HML formats on the "Save as type" list.

Values

true	Display
false	Do not display(The default value)

Reference

If the language of viewer is Korean or English, this parameter does not apply.

export.executefile

Sets the "Execute after save" option.

Values

true	Check
false	Do not check(The default value)

See Also

Basic Save Option Dialog Box

export.exportbypage

Sets the "Save by page" option.

Values

true	Check
false	Do not check(The default value)

export.externalmodule

Sets the external dll file name which will be used to link with external modules when saving.

export.filename

Sets the file name.

See Also

Save Dialog Box

export.format

Sets the value of the Save as type to choose.

Values

cell	Haansoft Cell File(*.cell)
csv	Comma Separated Values File(*.csv)
doc	Microsoft Word 97-2003 Document(*.doc)
docx	Microsoft Word Document(*.docx)
eform_xml	eform_xml File
gif	GIF Image(*.gif)
gul	Jungum Global File(*.gul)
han97	Hangul97 File(*.hml)
html	Web Page(*.html)
hwp	Hangul File(*.hwp)
hwpx	Hangul Standard File(*.hwpx)
jpg	JPEG File(*.jpg)
mht	Web Page Save File(*.mht)
nxl	Haansoft Nexcel File(*.nxl)
odt	Open Document Text(*.odt)
ozd	OZ Report Data File(*.ozd)
pdf	Adobe PDF File(*.pdf)
png	PNG Image(*.png)
ppt	Microsoft Presentation(*.ppt)

svg	Scalable Vector Graphics(*.svg)
tif	Tagged Image Format File(*.tif)
txt	Tab Separated(*.txt)
xls	Microsoft Excel 97-2003 File(*.xls)
xlsx	Microsoft Excel File(*.xlsx)

Reference

Please list the file formats with a comma when you save directly without displaying the report on screen. In addition, please set the [export.mode](#) parameter as silent and set the [export.path](#) and [export.filename](#).

The eform_xml file format is available only if you set the [export.mode](#) parameter as silent. In addition, please set the [eform_xml.path](#) and [eform_xml.filename](#).

If you want to display Haansoft Nexcel File(*.nxl) and Haansoft Cell File(*.cell), set [export.applyformat](#) to nxl, cell.

See Also

[viewer.mode](#)

Save Dialog Box

export.hidecontrols

Sets whether to hide the destination, save to, and option buttons.

Values

true	Hide the destination, save to, and option buttons
------	---

false	Display all options(The default value)
option	Hide the option button

See Also

[export.lockcontrols](#)

export.keeplastpath

Sets whether to save the file path set by a user in the viewer mode.

Values

true	Save
false	Do not save(The default value)

Reference

If the "[export.mode](#)" parameter value is "silent", this parameter does not apply.

If this parameter value is set to "true", parameters such as "[export.path](#)" that set the save path do not work properly.

export.largebundle

Sets the "Save one page" option.

Values

true	Check
------	-------

false	Do not check(The default value)
-------	---------------------------------

Reference

To save a report directly without previewing when saving a multiple page report as a single page, set "[viewer.largebundle=true](#)".

See Also

Basic Save Option Dialog Box

export.lockcontrols

Sets whether to allow changes in the Save dialog box options.

Values

true	Disable all options
false	Enable all options(The default value)
format	Disable the "Save as type" option
direction	Disable the "Destination" option
path	Disable the "Save to" option and the [Browse] button
option	Disable the [Option] button

See Also

Save Dialog Box

export.mode

Sets the save mode.

Values

normal	Displays the Save dialog box. Does not display the Confirm file location window(The default value)
showprogress	Displays the Save dialog box. Displays the Confirm file location window
silent	Saves without displaying the save dialog. Displays the Confirm file location window

See Also

Save Dialog Box

export.pagerange

Sets the "Save range" option.

Values

all	All(The default value)
current	Current page
range	Pages
selected	Selection

See Also

Basic Save Option Dialog Box

export.pages

Sets the range of pages to save. Set in the "StartPage-EndPage,PageNumber,StartPage-EndPage" format.

See Also

Basic Save Option Dialog Box

export.path

Sets the file path.

See Also

Save Dialog Box

export.savearrow

Sets the "Arrow" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.saveattachedpage

Sets whether to save pages added by the Attachment button.

Values

true	Save(The default value)
false	Do not save

Reference

The ozd format is not applied.

export.savebarcode

Sets the "Barcode" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.savechart

Sets the "Chart" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.savecheckmark

Sets whether to save the checkmark when saving the report.

Values

true	Save(The default value)
false	Do not save

export.savecircle

Sets the "Circle" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.savedatamatrixbarcode

Sets the "DataMatrix Barcode" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.savehtml

Sets the "HTML" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.saveimage

Sets the "Image" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.savelabel

Sets the "Text Label" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.saveline

Sets the "Line" option.

Values

true	Check(The default value)
------	--------------------------

false	Do not check
-------	--------------

See Also

Basic Save Option Dialog Box

export.savememo

Sets the save option for memos and callout shapes when saving a report.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

export.savemultidoc

Sets the "Save all document" option.

Values

true	Check
false	Do not check(The default value)

See Also

Basic Save Option Dialog Box

export.saveonefile

Sets the "Save as one file" option.

Values

true	Check
false	Do not check(The default value)

See Also

Basic Save Option Dialog Box

export.savepdf417

Sets the "PDF417" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.saveqrcode

Sets the "QR Barcode" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.saverect

Sets the "Rectangle" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

export.showoverwritemessage

Sets whether to display the overwrite confirmation window if the file name is duplicated.

Values

true	Display
------	---------

false	Do not display(The default value)
-------	-----------------------------------

export.silentexecute

Sets whether to run the exported file after exporting the report to a temporary file.

Values

true	Run the exported file after exporting the report to a temporary file
false	Display save dialog box(The default value)

Reference

This parameter works only when the user clicks on the icon in the toolbar to export the specified format.

export.skip

Sets not to save this report.

Values

true	Do not save
false	Save(The default value)

Reference

Even if the value of this parameter is set to true, the save icon in the toolbar is not disabled, and a save not available notification window is displayed when the user executes the save.

Also, a save event occurs for reports that are excluded from saving, and the save result is returned as failed.

export.target

Sets the "Destination" option.

Values

disk	Disk File(The default value)
email	Mail
ozmail	OZ Mail
share	Share

Reference

If you send a mail directly without displaying the Save Dialog Box, you must set the export.path, export.filename and export.format.

To share option only applies to Android/iOS Viewer.

See Also

Save Dialog Box

export.uac

Sets whether to use UAC(User Account Control) in Windows Vista or later.

Values

true	Use UAC
false	Do not use UAC(The default value)

export.usedialogopt

Sets whether to configure options to multi-reports set on preview.

Values

true	Apply configured options to other reports
false	Apply to selected reports only(The default value)

Reference

Applies only if the "[export.saveonefile](#)" parameter value is "true".

export.useprogressbar

Sets whether to display the progress bar when exporting the report.

Values

default	If you export a report in the preview screen, the progress bar is displayed. Otherwise, the progress bar is not displayed(The default value)
true	Always displays the progress bar
false	Always does not display the progress bar

export.zip

Sets the "Compress" option.

Values

true	Check
false	Do not check(The default value)

Reference

When you compress and save the report in several formats, please exclude the OZD format. If the OZD format is included, an error occurs.

If you set this parameter value to true, the [html.imagepath](#) parameter will not work.

See Also

Basic Save Option Dialog Box

export.zipfilename

Set the file name of the compressed file.

Reference

Applies only if the "[export.zip](#)" parameter value is "true".

See Also

Save Dialog Box

export.zipfilename_postfix

Set the postfix to add to the compressed file name.

Reference

Applies only if the "[export.zip](#)" parameter value is "true".

The postfix does not appear in the save dialog box. It will be added to the saved file name.

export.zipfilename_prefix

Set the prefix to add to the compressed file name.

Reference

Applies only if the "[export.zip](#)" parameter value is "true".

The prefix does not appear in the save dialog box. It will be added to the saved file name.

export.zippassword

Sets the "Password" of the "Compress" option.

Reference

Applies only if the "[export.zip](#)" parameter value is "true".

See Also

Basic Save Option Dialog Box

export.zippath

Sets the file path of the compressed file.

Reference

Applies only if the "[export.zip](#)" parameter value is "true".

See Also

Save Dialog Box

find

Sets the options of Find dialog box.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
find.what	O	O	X	O	O
find.direction	O	O	X	O	O
find.matchwholeword	O	O	X	O	O
find.matchcase	O	O	X	O	O

find.what

Sets the "Find what" option.

find.direction

Sets the "Direction" option.

Values

down	Down(The default value)
up	Up

find.matchwholeword

Sets the "Match whole word only" option.

Values

true	Check
false	Do not check(The default value)

find.matchcase

Sets the "Match case" option.

Values

true	Check
false	Do not check(The default value)

font

Sets the fonts.

This parameter is used to change to a different font if the user operating system does not support the fonts.

To use the font parameters in the Android/iOS Viewer, you must include the font in Eclipse/Xcode project.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
font.fontname.allowedurl	O	X	X	X	X
font.fontname.alternativefont	O	X	O	O	O
font.fontname.name	O	O	O	O	O
font.fontname.replacefont	O	O	O	O	O
font.fontname.url	O	X	X	O	O
font.fontnames	O	O	O	O	O

font.fontname.allowedurl

Sets the URL that is permitted to use in a specific domain when creating an eot file.

Reference

If the font.fontname.allowedurl parameter value is not set, the [font.fontname.url](#) parameter value will be applied.

font.fontname.alternativefont

Sets the alternative font name.

Reference

This parameter has lower priority than the [font.fontname.url](#) parameter.

font.fontname.name

Set the font name to change to another font.

See Also

[font](#)

font.fontname.replacefont

Sets the font name to be replaced.

Reference

If the font to be replaced is not on the user's operating environment, the [font.fontname.url](#) parameter is applied. Also if the Web Font Download fails, the [font.fontname.alternativefont](#) parameter is applied.

See Also

[font](#)

font.fontname.url

Sets the web font URL.

See Also

[font](#)

font.fontnames

Sets the web font name.

Reference

The parameter values can be set to multiple values using (,).

See Also

[font](#)

gif

Sets the options to save the GIF file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
gif.filename	O	O	O	X	X
gif.path	O	X	X	X	X
gif.savecomment			X	X	X
gif.savememo	O	O	X	X	X
gif.zoom	O	O	O	X	X

 Only e-Form

gif.filename

Sets the file name.

See Also

[export.applyformat](#), [export.format](#)

Save Dialog Box

gif.path

Sets the file path.

See Also

Save Dialog Box

gif.savecomment

Sets whether to save with comments included.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Saves reports by including only the comments added in the main screen
subscreenonly	Saves reports by including only the comments added in the sub screen

gif.savememo

Sets the save option for memos and callout shapes when saving a GIF file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

gif.zoom

Sets the "Zoom In/Out" of the "Save Ratio" option.

Reference

The default value is 100.

See Also

GIF Save Option Dialog Box

global

Sets the language and the multiple reports.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
global.address_updatetype	X	X	X	O	O
global.concatpage	O	O	O	O	O
global.concatpreview	O	O	O	O	O
global.concatthumbnail	O	O	O	O	O
global.continuouspagenumber_at_concatthumbnail	O	O	O	O	O
global.eachpagenumberatconcatpage	O	O	O	O	O
global.inheritparameter	O	O	O	O	O
global.language	O	O	O	O	O
global.pagesetup_unit	O	O	X	O	O
global.processorid	O	O	O	O	O
global.resourcefile	O	O	O	O	O
global.reusedatamoduletype	O	O	O	O	O
global.serverloglevel	O	O	O	O	O
global.showerroronce	O	O	X	O	O
global.stopchildwhenevererror	O	O	X	O	O
global.timezone	O	O	O	O	O
global.use_pageselection	O	X	X	X	X

global.use_preview_progressbar	O	O	O	O	O
global.useeachprintopt_at_concatpage	O	O	O	X	X

global.address_updatetype

Sets the update type of location information.

Values

none	Do not update(The default value)
once	Update once
tracking	Update periodically

Reference

If you set this parameter once, the OnLocationUpdated event is called once and then stops updating the location information.

When this parameter value is set to tracking, whenever location information changes, the LocationUpdateType event is called. But if the report is saved or printed, updating the location information is stopped automatically.

global.concatpage

Sets whether to use multiple reports as one report type.

Values

true	Use as one report
false	Use separate reports(The default value)

Reference

If it is set to "true", page moving works as a single report in the tool bar or page selection window and is also applied when exporting or printing.

To save with the paper information maintained for each report, the "Page per sheet" and "save as mht type" options must be checked when saving in the xls format and the "Save As XML" option must be checked when saving in the doc format.

When saving in the ppt format, the paper information of the first report is applied in other reports.

See Also

Excel Save Option Dialog Box, DOC Save Option Dialog Box

global.concatpreview

Sets whether to display multiple reports as a single report.

Values

true	Displays all reports as a single report
false	Displays each report(The default value)

Reference

If this parameter value is set to true, page navigation, page thumbnail, page sorter, and search are applied as if they were a single report. However, save, print, viewer function, and viewer

event are applied for each report. However, if "[print.alldocument=true](#)", the range of pages to be printed is applied as if it were a single report.

Applies only if the "[global.concatpage](#)" parameter value is "false".

global.concatthumbnail

Sets whether to display all reports in the thumbnail window or page sorter window.

Values

true	Display all reports
false	Display the current report(The default value)

Reference

If the "[global.concatpreview](#)" parameter value is "true", this parameter does not apply.

If you set the parameter value to true, all reports are displayed in the thumbnail or page sorter window. However, the page number is set for each report.

global.continuouspagenumber_at_concatthumbnail

Sets whether to display the page numbers based on all reports when all the reports are displayed in the thumbnail window or page sorter window.

Values

true	Sets the page numbers based on all reports
------	--

false	Sets the page numbers for each report(The default value)
-------	--

Reference

This parameter is available only if the "[global.concatthumbnail](#)" parameter value is "true".

global.eachpagenumberatconcatpage

Sets whether to give page numbers for each report for multiple reports.

Values

true	Sets the page numbers for each report
false	Sets the page numbers based on all reports(The default value)

Reference

Applies only if the "[global.concatpage](#)" parameter value is "true".

global.inheritparameter

Sets whether to inherit parameter values of a parent report in child reports when requesting multi-reports.

Values

true	Inherit parameter values of a parent report
false	Do not inherit parameter values of a parent report(The default value)

global.language

Sets the language in the OZ Viewer.

Reference

The default value is system language.

See Also

Language and Country Code

global.pagesetup_unit

Sets the unit when setting the page margin.

Values

pt	Point
inch	Inch
cm	Centimeter(The default value)

global.processorid

Sets the process ID to be written in the OZ Server log.

Reference

The default value is empty.

The value is displayed as shown below.

Set to a value between 0 and 100, and setting to a smaller value increases transparency.

```
2017-09-22 09:17:44,733 [http-bio-8080-exec-7] DEBUG FrameworkRequestDataModule -  
[processorid] Function Type [132 : GET_DATAMODULE]
```

global.resourcefile

Sets the xml file path that defines the title and the message of the progress bar or the alert window.

Reference

The xml file should be created in UTF-8 encoding and you can set the title and message of the progress bar.

Sets the title and the upper message of the binding progress bar.

```
<?xml version="1.0" encoding="UTF-8"?>  
<VIEWERSTRINGRESOURCE VERSION="1.0">  
<TYPE id="PROGRESSBAR_OZ">OZ Viewer</TYPE>  
<TYPE id="PROGRESSBAR_TITLE">Binding of the report.</TYPE>  
</VIEWERSTRINGRESOURCE>
```

Sets the upper and bottom messages of the saving progress bar.

```
<?xml version="1.0" encoding="UTF-8"?>  
<VIEWERSTRINGRESOURCE VERSION="1.0">  
<TYPE id="EXPORT_PROGRESSBAR_TITLE">Save Report</TYPE>  
<TYPE id="EXPORT_PROGRESSBAR_MESSAGE">Saving of the report...</TYPE>  
</VIEWERSTRINGRESOURCE>
```

Sets the upper and bottom messages of the printing progress bar.

```
<?xml version="1.0" encoding="UTF-8"?>  
<VIEWERSTRINGRESOURCE VERSION="1.0">
```

```
<TYPE id="PRINT_PROGRESSBAR_TITLE">Print Report</TYPE>
<TYPE id="PRINT_PROGRESSBAR_MESSAGE">Printing of the report...</TYPE>
</VIEWERSTRINGRESOURCE>
```

Sets the text displayed on the alert window when in the viewer mode.

```
<?xml version="1.0" encoding="UTF-8"?>
<VIEWERSTRINGRESOURCE VERSION="1.0">
<TYPE id="INPUT_MODE_MESSAGE">The text is displayed when switching to the input
mode.</TYPE>
<TYPE id="EDIT_MODE_MESSAGE">The text is displayed when switching to the edit mode.</TYPE>
</VIEWERSTRINGRESOURCE>
```

Keys supported by viewer type

Viewer Type	Key	Resource File Path
EXE	PROGRESSBAR_TITLE PROGRESSBAR_OZ EXPORT_PROGRESSBAR_TITLE EXPORT_PROGRESSBAR_MESSAGE PRINT_PROGRESSBAR_TITLE PRINT_PROGRESSBAR_MESSAGE	OZ Repository URL(ozp://), Web Server URL(http://), Local URL(file://)
HTML5	PROGRESSBAR_TITLE PROGRESSBAR_OZ	Sets the xml file to be located in the res folder of the viewer first and then sets only the file name as the parameter value.
Android	EXPORT_PROGRESSBAR_MESSAGE INPUT_MODE_MESSAGE EDIT_MODE_MESSAGE	Sets the xml file to be located in the assets folder of the project first and

Viewer Type	Key	Resource File Path
		then sets the parameter value in the res://file name format.
iOS	PROGRESSBAR_TITLE EXPORT_PROGRESSBAR_MESSAGE INPUT_MODE_MESSAGE EDIT_MODE_MESSAGE	Sets the xml file to be located in the folder of the project first and then sets the parameter value in the res://file name format.

global.reusedatamoduletype

Sets the type of data to reuse while binding a report.

Values

none	Do not reuse data(The default value)
odi	Reuse ODI data

Reference

If you use the data reuse function, it makes reuse of the same data cached in the client. So, it can reduce the data binding time and server load.

If you set this parameter to odi, ODI data is reused only when all conditions below are satisfied with.

- ODI address, category and file name are the same.
- All values of ODI parameter are the same.

- Maximum number of rows and the value of the Use property set in Report Designer are the same.
- Viewer is not rerun.
- Data of report is not refreshed.

If you rerun the viewer by refreshing the web page or refreshing the data by using Refresh Report Dialog Box, Parameter toolbar and Rebind function, the data reuse function will not work. But, if you rerun the viewer in the multi-report environment or add two or more same ODI to OZR, it requests data for only one time. And then it reuses the data.

global.serverloglevel

Sets the OZ Server log level.

Values

""	Follows the log level set in the log.properties file of the OZ Server(The default value)
forcedebug	Changes the server log level to DEBUG

Reference

If the parameter value is set to "forcebug", "FORCEDEBUG_" is prepended to the class names in the server logs.

global.showerroronce

Sets whether to display error message just once when after finishing binding or whenever error occurs while binding multiple reports.

Values

true	Display error message once
false	Display error message whenever error is occurs(The default value)

global.stopchildwherror

Sets whether to continuously bind reports or not when error occurs while binding multiple reports.

Values

true	Stop binding reports if error occurs
false	Continue binding reports if error occurs(The default value)

global.timezone

Sets the time-zone of the data displayed in reports.

Reference

This function is only applied when the field type is set to Date or Time or DateTime(TimeStamp), and it is also applied when the OZ Report system field is set to Date or Time or Date/Time field.

See Also

TimeZone Code

global.use_pageselection

Sets whether to display the checkbox for page selection on the thumbnail or page sorter window.

Values

true	Display
false	Do not display(The default value)

global.use_preview_progressbar

Sets whether to run the progress window only once when the report is bound.

Values

true	Run only once
false	Run by a number of reports(The default value)

Reference

The progress window will repeatedly run and shut down up to the number of reports.

Therefore, in the multi-report environment, it may seem to appear to be blinking continuously.

In that case, please use this parameter.

If you set this parameter to true, the progress window will be run once when the first report is binding, and the progress window will be shut down when the last report is binding.

If you set this parameter to true, [viewer.useimageprogressbar](#) and [viewer.useprogressbar](#) parameters do not work.

See Also

[viewer.childcount](#)

global.useeachprintopt_at_concatpage

Sets whether to apply the print options set in the current report only to the current report.

Values

true	Do not apply to another report
false	Apply to another report(The default value)

Reference

Applies only if the "[global.concatpage](#)" parameter value is "true".

If you set this parameter to true, the number of times the OZPrintCommand event and the OZUserActionCommand event occurs is the same as the number of reports.

gul

Sets the options to save the GUL file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
gul.convertedimagedpi	O	X	X	X	X
gul.filename	O	X	X	X	X
gul.path	O	X	X	X	X
gul.saveastable	O	X	X	X	X
gul.savememo	O	X	X	X	X

gul.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

gul.filename

Sets the file name.

See Also

Save Dialog Box

gul.path

Sets the file path.

See Also

Save Dialog Box

gul.saveastable

Sets the "Save As Table" option.

Values

true	Check
false	Do not check(The default value)

See Also

GUL Save Option Dialog Box

gul.savememo

Sets the save option for memos and callout shapes when saving a GUL file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

han97

Sets the options to save the HML(Han97) file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
han97.convertedimagedpi	O	O	O	O	O
han97.filename	O	O	O	O	O
han97.path	O	X	X	X	O
han97.saveastable	O	O	O	O	O
han97.savelinktoc	O	O	O	O	O
han97.savelinkurl	O	O	O	O	O
han97.savememo	O	O	X	O	O

han97.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

han97.filename

Sets the file name.

See Also

Save Dialog Box

han97.path

Sets the file path.

See Also

Save Dialog Box

han97.saveastable

Sets the "Save As Table" option.

Values

true	Check(The default value)
false	Do not check

See Also

HML Save Option Dialog Box

han97.savelinktoc

Sets the "Toc link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

han97.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

han97.savememo

Sets the save option for memos and callout shapes when saving a HML(Han97) file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and
-----	--

	rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

hdm

Sets the options to save the HDM file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
hdm.charset	O	O	X	O	O
hdm.extension	O	O	X	O	O
hdm.filename	O	O	X	O	O
hdm.indent	O	O	X	O	O
hdm.maxrowinafile	O	O	X	O	O
hdm.path	O	X	X	X	O
hdm.save_description_as_title	O	O	X	O	O
hdm.separator	O	O	X	O	O

hdm.charset

Sets the "Encoding" option.

Values

ansi	ANSI(The default value)
unicode	Unicode

See Also

HDM Save Option Dialog Box

hdm.extension

Sets a save as type when exporting HDM.

Values

csv	csv
txt	txt(The default value)
xla	xla
xls	xls
xlsx	xlsx
xml	xml

See Also

HDM Save Option Dialog Box

hdm.filename

Sets the file name.

See Also

HDM Save Option Dialog Box

hdm.indent

Sets the "Use indentation" option.

Values

true	Check(The default value)
false	Do not check

See Also

HDM Save Option Dialog Box

hdm.maxrowinafile

Sets the maximum number of rows saved in one file.

hdm.path

Sets the file path.

See Also

HDM Save Option Dialog Box

hdm.save_description_as_title

Sets whether to set the field description in the column title.

Values

true	Sets the field description in the column title
false	Sets the field name in the column title(The default value)

Reference

This parameter is supported only in the ODI/CSV/Join data set.

If the field description is empty the field name is applied to the column title regardless of this parameter value.

hdm.separator

Sets the "Delimiter" option.

Values

tab	tab(The default value)
space	space
/	/
~	~
comma	comma
Other	Other

See Also

HDM Save Option Dialog Box

hml

Sets the options to save the HWP file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
hml.convertedimagedpi	O	O	O	O	O
hml.filename	O	O	O	O	O
hml.keeplabelsizes	O	O	O	O	O
hml.orientation	O	O	O	O	O
hml.papersize	O	O	O	O	O
hml.path	O	X	X	X	O
hml.saveastable	O	O	O	O	O
hml.saveasxml	O	O	O	O	O
hml.savelinktoc	O	O	O	O	O
hml.savelinkurl	O	O	O	O	O
hml.savememo	O	O	X	O	O
hml.savetobackground	O	O	O	O	O
hml.savetoheaderfooter	O	O	O	O	O
hml.verttoparagraph	O	O	O	O	O

hml.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

hml.filename

Sets the file name.

See Also

Save Dialog Box

hml.keeplabelsize

Sets the "Keep label size" option.

Values

true	Check
false	Do not check(The default value)

See Also

HWP Save Option Dialog Box

hml.orientation

Sets the paper orientation of the exported file.

Values

""	Follows the paper orientation set for the reports(The default value)
landscape	Landscape
portrait	Portrait

hml.papersize

Sets the paper size of the exported file.

Values

""	Follows the paper size set for the reports(The default value)
A3	A3
A4	A4
A5	A5
B5	B5
LEGAL	LEGAL
LETTER	LETTER

hml.path

Sets the file path.

See Also

Save Dialog Box

hml.saveastable

Sets the "Save As Table" option.

Values

true	Check(The default value)
false	Do not check

See Also

HWP Save Option Dialog Box

hml.saveasxml

Sets whether to save as XML format.

Values

true	Save as XML format(The default value)
false	Save as binary format

Reference

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_hwpwriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackHWP.framework) in the Xcode project.
2. Call the `__OZExportPack_load_hwp()` function before using this function.

hml.savelinktoc

Sets the "Toc link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

hml.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

hml.savememo

Sets the save option for memos and callout shapes when saving a HWP file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

hml.savetobackground

Sets the "Save background band to background page" option.

Values

true	Check
false	Do not check(The default value)

See Also

HWP Save Option Dialog Box

hml.savetoheaderfooter

Sets the "Save page header/footer band to header/footer" option.

Values

true	Check
false	Do not check(The default value)

See Also

HWP Save Option Dialog Box

hml.verttopparagraph

Sets the "From the paragraph" option.

Values

true	Check
false	Do not check(The default value)

See Also

HWP Save Option Dialog Box

html

Sets the options to save the HTML file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
html.charset	O	O	O	O	O
html.convertedimagedpi	O	O	O	O	O
html.filename	O	O	O	O	O
html.fontsize	O	O	O	O	O
html.horizontal	O	O	O	O	O
html.image_embedding	O	X	O	X	X
html.imagepath	O	X	X	X	X
html.imagesrcpath	O	X	X	X	X
html.largebundle	O	O	X	O	O
html.offsetx	O	O	O	O	O
html.offsety	O	O	O	O	O
html.pagetitle	O	O	O	O	O
html.password	O	O	O	O	O
html.path	O	X	X	X	O
html.savealt	O	O	O	O	O
html.savebypage	O	O	O	O	O
html.savelinktoc	O	O	O	O	O

html.savelinkurl	O	O	O	O	O
html.savememo	O	O	X	O	O
html.templatepath	O	O	O	O	O
html.version	O	O	O	O	O
html.vertical	O	O	O	O	O

html.charset

Sets the "Encoding" option.

Values

ansi	ANSI(The default value)
unicode	Unicode
utf-8	UTF-8

Reference

In the Android/iOS Viewer, if you set the parameter value to "ansi", "utf-8" is applied.

See Also

HTML Save Option Dialog Box

html.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

html.filename

Sets the file name.

See Also

Save Dialog Box

html.fontsize

Sets the "Set font size" option and sets the font size.

See Also

HTML Save Option Dialog Box

html.horizontal

Sets the "Horizontal" of the "Page spacing" option.

See Also

HTML Save Option Dialog Box

html.image_embedding

Sets whether to save components that are converted to images as image data in an HTML file.

Values

true	Include
false	Do not include(The default value)

Reference

When saving a report containing an image label, chart, figure, signature, or ImagePicker component in the HTML format, the component is converted to a png or jpg file and saved in the same path as the HTML file and then the png or jpg file path is created with the tag in the HTML file.

In the above situation, to save all components in a single HTML file, set the parameter value to "true". If the parameter value is set to "true", components that are converted into images such as image labels, charts, figures, signatures, and ImagePickers, are saved as image data in the HTML file.

However, if the path of the image is a web URL, the parameter value is not applied and it is created with the tag. Also, if the [repository_agent.type](#) parameter value is set to from_webserver, it always runs as "false".

html.imagepath

Sets the "Save image to" option.

html.imagesrcpath

Sets the "img src" tag value of html file.

See Also

[html.imagepath](#)

html.largebundle

Sets the "Save one page" option in the Basic Save Option Dialog Box when you save the report to HTML.

Values

true	Check
false	Do not check(The default value)

Reference

Please use this parameter when you want to set the "Save one page" option to work independently only HTML regardless of the different formats. For example, the "Save one page" option is checked only in HTML when set to "html.largebundle=true, [export.largebundle=false](#)". Likewise, the "Save one page" option is unchecked only in HTML when set to "html.largebundle=false, export.largebundle=true". The above rules still apply even if you check or uncheck the "Save one page" option in the Viewer window.

To export a report without previewing when trying to save the report to a single page, please set "[viewer.largebundle=true](#)".

See Also

Basic Save Option Dialog Box

html.offsetx

Sets the "X axis" of the "Offset" option.

See Also

HTML Save Option Dialog Box

html.offsety

Sets the "Y axis" of the "Offset" option.

See Also

HTML Save Option Dialog Box

html.pagetitle

Sets the "Title" of the "Page" option.

See Also

HTML Save Option Dialog Box

html.password

Sets the "Password" option.

Reference

Please only set passwords to 1 byte character. Otherwise, passwords are displayed in a dialog box, but the report is saved without a password.

To change the Web page for inputting a password to fit the customer's environment, create a template page for the customer and set the value of the [html.templatepath](#) parameter to the template page path.

html.path

Sets the file path.

See Also

Save Dialog Box

html.savealt

Sets whether to save including the alternative text of the component.

Values

true	Save alternative text
false	Do not save alternative text(The default value)

Reference

Alternate text is stored in the alt attribute of the img tag and it applies only to components that are stored as an image. The components that are stored as an image are HTML Label, Chart, Barcode, User Component and Shape components. However, HTML Label is applied only when

the Background Image Style property value is "Fit", "Fit Width", "Fit Width, Center", "Fit Height", "Fit Height, Center", "Isotropic" or "Isotropic, Center".

html.savebypage

Sets the "Save each page to different file" option.

Values

true	Check
false	Do not check(The default value)

See Also

HTML Save Option Dialog Box

html.savelinktoc

Sets the "Toc link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

html.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

html.savememo

Sets the save option for memos and callout shapes when saving an HTML file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

html.templatepath

Sets the path of the template pages for inputting a password.

Reference

The path can be set to a format such as Http URL, File URL, and OZ URL.

You must create a template page to fit the following rules.

```
1 <html>
2 <head><meta charset="UTF-8" http-equiv="content-type">
3 <script language='JavaScript' type='text/JavaScript'>
4 function Decrypt(errormsg) {
5     try {
6         var cliperText; var pwd;
7         cliperText = document.frm._viewData.value;
8         pwd = document.frm.pwd.value;
9         var h = 0; for (var i = 0; i < pwd.length; i++) h = (31*h + pwd.charCodeAt(i))|0;
10
11         <!-- Confirm password -->
12         if(Math.abs(h<<h) != unescape("<!-- Do not edit this line -->")) {
13             alert(errormsg);
14             document.frm.pwd.value = "";
15             document.frm.pwd.focus();
16             return;
17         }
18
19         <!-- View report -->
20         cliperText = document.frm._viewData.value;
21         pwd = document.frm.pwd.value;
22         var bin = unescape(cliperText).split(',');
23         var text = "";
24         var strKey = pwd;
25         for (var i = 0; i < bin.length; i++) {
26             text = text + String.fromCharCode(Number(bin[i]) + strKey.charCodeAt(i % strKey.length));
27         }
28         document.write(text);
29     } catch(err) {
30         alert(err.description);
31         return;
32     }
33 }
34 </script>
35 </head>
36
37 <body>
38 <form name='frm' id='frm'>
39     <!-- Modify allowed from here -->
40     <div id='contents'>
41         <p>Please enter your password.</p>
42         <p><input type='password' id='pwd' class='form' value="" size='30' maxlength='100'></p>
43         <p><input type='button' value='OK' onclick='Decrypt("You entered the wrong password.");'></p>
44     </div>
45
46     <!-- Encrypted original file -->
47     <input type='hidden' name='_viewData' value="<!-- Do not edit this line -->">
48 </form>
49 </body>
50 </html>
```

The editable part of the template page is shown below. The error message occurs if you modify other parts and you cannot save the encrypted reports.

- The editable lines are 13-16 and 40-44.
- Decrypt (var Parameter) function in line 43 must be called.
- The frm and pwd can be changed to other words.

See Also

[html.password](#)

html.version

Sets the "HTML Version" of the "Version" option.

Values

none	None(The default value)
4.01	4.01

See Also

HTML Save Option Dialog Box

html.vertical

Sets the "Vertical" of the "Page spacing" option.

See Also

HTML Save Option Dialog Box

hwpx

Sets the options to save the HWPX file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
hwpx.convertedimagedpi	O	O	O	X	X
hwpx.filename	O	O	O	X	X
hwpx.orientation	O	O	O	X	X
hwpx.papersize	O	O	O	X	X
hwpx.path	O	X	X	X	X
hwpx.savememo	O	O	X	X	X

hwpx.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

hwpx.filename

Sets the file name.

See Also

Save Dialog Box

hwpx.orientation

Sets the paper orientation of the exported file.

Values

""	Follows the paper orientation set for the reports(The default value)
landscape	Landscape
portrait	Portrait

hwpx.papersize

Sets the paper size of the exported file.

Values

""	Follows the paper size set for the reports(The default value)
A3	A3
A4	A4
A5	A5
B5	B5
LEGAL	LEGAL

LETTER	LETTER
--------	--------

hwpx.path

Sets the file path.

See Also

Save Dialog Box

hwpx.savememo

Sets the save option for memos and callout shapes when saving a HWPX file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

information

Sets OZ Viewer log options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
information.debug	O	O	O	O	O
information.lockconsole	O	O	O	X	X
information.matchparamvalue	O	O	X	O	O

information.debug

Sets the level of the OZ Viewer console log information.

Values

true	Display debugging messages for running OZ Viewer to console
false	Do not display debugging messages for running OZ Viewer to console(The default value)
error	Display error message only
info	Display general information only
debug	Display all messages

information.lockconsole

Sets whether to display the OZ Viewer console window when pressing <Ctrl+Z> or <Ctrl+Shift+Z>.

Values

true	Do not display the OZ Viewer console window
false	Display the OZ Viewer console window(The default value)

information.matchparamvalue

Sets whether to display an error message when some values in the form/ODI parameter values added in the report are not set in the the viewer parameter.

Values

true	Display
false	Do not display(The default value)

Reference

Error messages are displayed in the message window and console window in the PC environment, and only the message window in the mobile environment. If the values of all form/ODI parameters added to the report are not set, no error message is displayed.

jpg

Sets the options to save the JPG file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
jpg.filename	O	O	O	O	O
jpg.path	O	X	X	X	O
jpg.quality	O	O	O	O	O
jpg.savecomment			X		
jpg.savememo	O	O	X	O	O
jpg.zoom	O	O	O	O	O

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jpg.filename

Sets the file name.

See Also

Save Dialog Box

jpg.path

Sets the file path.

See Also

Save Dialog Box

jpg.quality

Sets the "Quality" of the "Compression" option.

Reference

The default value is 100. Set to a value between 0 and 100.

See Also

JPG Save Option Dialog Box

jpg.savecomment

Sets whether to save including comments.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Saves reports by including only the comments added in the main screen
subscreenonly	Saves reports by including only the comments added in the sub screen

jpg.savememo

Sets the save option for memos and callout shapes when saving a JPG file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

jpg.zoom

Sets the "Zoom In/Out" of the "Save Ratio" option.

Reference

The default value is 100.

See Also

JPG Save Option Dialog Box

line

Sets the properties of the callouts-line.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
line.changeable	○	○	X	X	X
line.dashtype	○	○	X	X	X
line.exportoption	○	○	X	X	X
line.linecolor	○	○	X	X	X
line.linedash	○	○	X	X	X
line.linethickness	○	○	X	X	X
line.linetype	○	○	X	X	X
line.movable	○	○	X	X	X
line.multiscreen_visible_type	○	X	X	X	X
line.printable	○	○	X	X	X
line.tooltiptext	○	○	X	X	X

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line.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
false	Unchangeable

line.dashtype

Sets the dash type.

Values

dash	Square dotted line(The default value)
rounddot	Round dotted line

Reference

If the type is a square dotted line, the width of the square dotted line applies to the first value of the `line.linedash` parameter, the height of the square dotted line applies to the value of the [line.linethickness](#) parameter, and the interval of the square dotted line applies to the second value of the `line.linedash` parameter.

If the type is a round dotted line, the diameter of the round dotted line applies to the value of the `line.linethickness` parameter, and the interval of the round dotted line applies to the second value of the [line.linedash](#) parameter.

If you set the mode to round dashed dotted line, please set the [viewer.antialiasing](#) parameter value to true.

line.exportoption

Sets whether to include lines when saving reports.

Values

all	Always save regardless of the file format
byprintable	Follows the settings set for printing lines in a report(The default value)
doc	Includes lines when saving in the DOC format
docx	Includes lines when saving in the DOCX format
gif	Includes lines when saving in the GIF format
gul	Includes lines when saving in the GUL format
hml	Includes lines when saving in the HML and HWP format
html	Includes lines when saving in the HTML format
hwp	Includes lines when saving in the HWPX format
jpg	Includes lines when saving in the JPG format
mht	Includes lines when saving in the MHT format
nothing	Do not save lines in all file formats
odt	Includes lines when saving in the ODT format
pdf	Includes lines when saving in the PDF format
png	Includes lines when saving in the PNG format
ppt	Includes lines when saving in the PPT format
svg	Includes lines when saving in the SVG format
tif	Includes lines when saving in the TIF format
xls	Includes lines when saving in the XLS format

xlsx	Includes lines when saving in the XLSX format
------	---

Reference

The parameter values can be set to multiple values using ",".

line.linecolor

Sets the line color.

Reference

The default value is "000000".

line.linedash

Sets the line color.

Reference

The default value is "000000".

line.linethickness

Sets the line thickness.

Reference

The default value is 1.

line.linetype

Sets the line type.

Values

backslash	Back slash(The default value)
horizontal	Horizontal
slash	Slash
vertical	Vertical

line.movable

Sets whether movable or not.

Values

true	Can be movable(The default value)
false	Can not be movable

line.multiscreen_visible_type

Sets the line visible type in a multi-screen environment.

Values

always	The line is displayed in both screens(The default value)
--------	--

mainscreenonly	The line is displayed only in the main screen
subscreenonly	The line is displayed only in the sub-screen

line.printable

Sets whether to print lines in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the line.

line.tooltiptext

Sets the tooltip text.

mail

Sets the oz mail options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
mail.attachname	O	X	X	O	O
mail.auth	O	X	X	X	X
mail.bcc	O	X	X	O	O
mail.body	O	X	X	O	O
mail.bodytype	O	X	X	X	X
mail.cc	O	X	X	O	O
mail.from	O	X	X	X	X
mail.id	O	X	X	X	X
mail.mode	O	X	X	X	X
mail.password	O	X	X	X	X
mail.port	O	X	X	X	X
mail.server	O	X	X	X	X
mail.showbodyeditor	O	X	X	X	X
mail.subject	O	X	X	O	O
mail.target	O	X	X	X	X
mail.to	O	X	X	O	O

mail.attachname

Sets the name of the attachment.

Reference

If the value of the mail.attachname parameter is not set, the mail attachment file is named according to the value of the "export.mode" parameter.

export.mode=normal

The name of the report is set to the name of the attachment.

export.mode=silent

The value of the xxx.filename parameter is set to the name of the attachment.

mail.auth

Sets the "Set up the sending mail SMTP Authorization" option.

Values

true	Check
false	Do not check(The default value)

mail.bcc

Sets the "Bcc" option.

mail.body

Sets the contents of the mail.

mail.bodytype

Sets the message format.

Values

text	Text format(The default value)
html	HTML format

mail.cc

Sets the "Cc" option.

mail.from

Sets the "Sender" option.

mail.id

Sets the "User Name".

mail.mode

Sets whether to display the Sending dialog box.

Values

normal	Display(The default value)
silent	Do not display

mail.password

Sets the "Password" option.

mail.port

Sets the "Server Port Number" option.

Reference

The default value is 25.

mail.server

Sets the "Server Address" option.

mail.showbodyeditor

Sets whether to display the "Content" option.

Values

true	Display(The default value)
false	Do not display

mail.subject

Sets the "Subject" option.

mail.target

Sets the "Destination" option in the Save dialog box.

Values

ozmail	OZ Mail(The default value)
email	Mail

See Also

Save Dialog Box

mail.to

Sets the "To" option.

memo

Sets the properties of the memo.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
memo.backgroundalpha	O	O	X	O	O
memo.bottombordercolor	O	O	X	O	O
memo.bottomInternalmargin	O	O	X	O	O
memo.bottomleft_border_radius	O	O	X	O	O
memo.bottomline	O	O	X	O	O
memo.bottomlinedash	O	O	X	O	O
memo.bottomlinedashoffset	O	O	X	O	O
memo.bottomright_border_radius	O	O	X	O	O
memo.caption	O	O	X	O	O
memo.changeable	O	O	X	O	O
memo.clip	O	O	X	O	O
memo.editable	O	O	X	O	O
memo.effect	O	O	X	O	O
memo.exportoption	O	O	X	O	O
memo.fillcolor	O	O	X	O	O
memo.fontcolor	O	O	X	O	O
memo.fontname	O	O	X	O	O

memo.fontsize	O	O	X	O	O
memo.fontstretch	O	O	X	O	O
memo.fontstyle	O	O	X	O	O
memo.gradientcolor	O	O	X	O	O
memo.gradienttype	O	O	X	O	O
memo.halign	O	O	X	O	O
memo.leftbordercolor	O	O	X	O	O
memo.leftInternalmargin	O	O	X	O	O
memo.leftline	O	O	X	O	O
memo.leftlinedash	O	O	X	O	O
memo.leftlinedashoffset	O	O	X	O	O
memo.movable	O	O	X	O	O
memo.multiscreen_visible_type		X	X	X	X
memo.printable	O	O	X	O	O
memo.rightbordercolor	O	O	X	O	O
memo.rightInternalmargin	O	O	X	O	O
memo.rightline	O	O	X	O	O
memo.rightlinedash	O	O	X	O	O
memo.rightlinedashoffset	O	O	X	O	O
memo.spacing	O	O	X	O	O
memo.stretch	O	O	X	O	O
memo.text_rotation	O	O	X	O	O
memo.textindent	O	O	X	O	O

memo.topbordercolor	O	O	X	O	O
memo.topInternalmargin	O	O	X	O	O
memo.topleft_border_radius	O	O	X	O	O
memo.topline	O	O	X	O	O
memo.toplinedash	O	O	X	O	O
memo.toplinedashoffset	O	O	X	O	O
memo.topright_border_radius	O	O	X	O	O
memo.transparent	O	O	X	O	O
memo.usegradient	O	O	X	O	O
memo.valign	O	O	X	O	O
memo.wordwrap	O	O	X	O	O
memo.wordwraptype	O	O	X	O	O
memo.wrapSPACE	O	O	X	O	O

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memo.backgroundalpha

Sets the transparency of the background color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

Set to a value between 0 and 255. Setting to a smaller value increases transparency.

memo.bottombordercolor

Sets the bottom border color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.bottomInternalmargin

Sets the internal bottom margin.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.bottomleft_border_radius

Sets the radius of bottom left border.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If the two values are different, set this parameter value in the form of "bottom left".

This parameter applies when the border of the memo is a single solid line.

memo.bottomline

Sets the bottom line thickness.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"thickness interval thickness interval thickness ... thickness".

memo.bottomlinedash

Sets the bottom dotted line.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"dashed-length interval;dashed-length interval;dashed-length interval; ... ;dashed-length interval".

memo.bottomlinedashoffset

Sets the bottom dotted line offset.

Reference

The default value is an empty value("").

memo.bottomright_border_radius

Sets the radius of the bottom right border.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If the two values are different, set this parameter value in the form of "bottom right".

This parameter applies when the border of the memo is a single solid line.

memo.caption

Sets the text.

Reference

The default value is an empty value("").

memo.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
false	Unchangeable

memo.clip

Sets whether to clip.

Values

true	Clip
false	Not clip

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.editable

Sets whether to allow editing.

Values

true	Allow editing(The default value)
false	Do not allow editing

memo.effect

Sets the font effect.

Values

basic	Basic
outline	Outline
dimension	3D
engrave	Engrave

segments	Segments
hollow	Hollow
shadow	Shadow

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.exportoption

Sets whether to include memos when saving reports.

Values

all	Always saved regardless of the file format
byprintable	Follows the settings set for printing memos in a report(The default value)
csv	Includes memos when saving in the CSV format
doc	Includes memos when saving in the DOC format
docx	Includes memos when saving in the DOCX format
gif	Includes memos when saving in the GIF format
gul	Includes memos when saving in the GUL format
hml	Includes memos when saving in the HML and HWP formats
html	Includes memos when saving in the HTML format
hwp	Includes memos when saving in the HWPX format
jpg	Includes memos when saving in the JPG format

mht	Includes memos when saving in the MHT format
nothing	Do not save memos in all file formats
odt	Includes memos when saving in the ODT format
pdf	Includes memos when saving in the PDF format
png	Includes memos when saving in the PNG format
ppt	Includes memos when saving in the PPT format
svg	Includes memos when saving in the SVG format
tif	Includes memos when saving in the TIF format
txt	Includes memos when saving in the TXT format
xls	Includes memos when saving in the XLS format
xlsx	Includes memos when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

memo.fillcolor

Sets the background color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.fontcolor

Sets the font color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.fontname

Sets the font name.

Reference

The default value is Dialog.

memo.fontsize

Sets the font size.

Reference

The default value is 10.

memo.fontstretch

Sets the font scale.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

Sets to a value between 1 and 600. If set to an out of range value, the default value will be applied.

memo.fontstyle

Sets the font style.

Values

plain	Set to Plain
bold	Set to Bold
italic	Set to Italic
bolditalic	Set to Bold, Italic

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.gradientcolor

Sets the gradient color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.gradienttype

Sets the gradient direction and start position.

Values

left_center_right	The direction is set to "Horizontal" and the start position is set to "From Edge"
right_center_left	The direction is set to "Horizontal" and the start position is set to "From center"
left_right	The direction is set to "Horizontal" and the start position is set to "Direct"
right_left	The direction is set to "Horizontal" and the start position is set to "Reverse"
top_center_bottom	The direction is set to "Vertical" and the start position is set to "From Edge"
bottom_center_top	The direction is set to "Vertical" and the start position is set to "From Center"
top_bottom	The direction is set to "Vertical" and the start position is set to "Direct"
bottom_top	The direction is set to "Vertical" and the start position is set to "Reverse"
lefttop_center_bottomright	The direction is set to "Slash" and the start position is set to "From Edge"
bottomright_center_lefttop	The direction is set to "Slash" and the start position is set to "From Center"

lefttop_bottomright	The direction is set to "Slash" and the start position is set to "Direct"
bottomright_lefttop	The direction is set to "Slash" and the start position is set to "Reverse"
leftbottom_center_righttop	The direction is set to "Back Slash" and the start position is set to "From Edge"
righttop_center_leftbottom	The direction is set to "Back Slash" and the start position is set to "From Center"
leftbottom_righttop	The direction is set to "Back Slash" and the start position is set to "Direct"
righttop_leftbottom	The direction is set to "Back Slash" and the start position is set to "Reverse"

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.halign

Sets the text horizontal alignment.

Values

left	Left
center	Centered
right	Right

distributed	Distributed
justify	Justify

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.leftbordercolor

Sets the left border color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.leftInternalmargin

Sets the internal left margin.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.leftline

Sets the left line thickness.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"thickness interval thickness interval thickness ... thickness".

memo.leftlinedash

Sets the left dotted line.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"dashed-length interval;dashed-length interval;dashed-length interval; ... ;dashed-length interval".

memo.leftlinedashoffset

Sets the left dotted line offset.

Reference

The default value is an empty value("").

memo.movable

Sets whether movable or not.

Values

true	Movable(The default value)
------	----------------------------

false	Unmovable
-------	-----------

memo.multiscreen_visible_type

Sets the memo visible type in a multi-screen environment.

Values

always	The memo is displayed in both screens(The default value)
mainscreenonly	The memo is displayed only in the main screen
subscreenonly	The memo is displayed only in the sub-screen

memo.printable

Sets whether to print memos in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the memo.

memo.rightbordercolor

Sets the right border color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.rightInternalmargin

Sets the internal right margin.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.rightline

Sets the right line thickness.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"thickness interval thickness interval thickness ... thickness".

memo.rightlinedash

Sets the right dotted line.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"dashed-length interval;dashed-length interval;dashed-length interval; ... ;dashed-length interval".

memo.rightlinedashoffset

Sets the right dotted line offset.

Reference

The default value is an empty value("").

memo.spacing

Sets the character spacing.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.stretch

Sets the text direction.

Values

horizontal	Set to Horizontal
counterclockwise	Set to Counterclockwise

vertical_2byte	Set to Vertical 2bytes
vertical	Set to Vertical
clockwise	Set to Clockwise
horizontal_2byte	Set to Horizontal 2bytes

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.text_rotation

Sets the text rotation angle.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

The available values are -89 to 89.

If the text is rotated, the [memo.stretch](#) parameter does not work.

memo.textindent

Sets the indentation value.

Reference

The default value is 0.

memo.topbordercolor

Sets the top border color.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.topInternalmargin

Sets the internal top margin.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.topleft_border_radius

Sets the radius of top left border.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If the two values are different, set this parameter value in the form "top left".

This parameter applies when the border of the memo is a single solid line.

memo.topline

Sets the top line thickness.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"thickness interval thickness interval thickness ... thickness".

memo.toplinedash

Sets the top dotted line.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If you want to set up a multi-line border, set this parameter value in the following format:

"dashed-length interval;dashed-length interval;dashed-length interval; ... ;dashed-length interval".

memo.toplinedashoffset

Sets the top dotted line offset.

Reference

The default value is an empty value("").

memo.topright_border_radius

Sets the radius of top right border.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

If the two values are different, set this parameter value in the form "top right".

This parameter applies when the border of the memo is a single solid line.

memo.transparent

Sets whether the background is transparent.

Values

true	Is transparent
false	Is opaque

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.usegradient

Sets whether to use gradient fill.

Values

true	Apply gradient fill
false	Apply solid fill

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.valign

Sets the text vertical alignment.

Values

top	Top
middle	Middle
bottom	Bottom
distributed	Distributed
justify	Justify

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.wordwrap

Sets whether to use word wrapping.

Values

true	Use word wrapping
false	Not use word wrapping

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.wordwraptype

Sets the word wrap type.

Values

default	Displayed as a string entered(The default value)
ignoreospace	Removes the space if the first character of each line is a space
nonasciword	Words are not cut off in a line break by breaking lines with a space

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

memo.wrapospace

Sets the line spacing.

Reference

If you do not set this parameter value, it applies to the value set to the default label of the report.

mht

Sets the options to save the MHT file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
mht.convertedimagedpi	O	O	O	O	O
mht.filename	O	O	O	O	O
mht.largebundle	O	O	X	O	O
mht.password	O	O	O	O	O
mht.path	O	X	X	X	O
mht.savefont	O	X	X	O	O
mht.savefontsize	O	O	O	O	O
mht.savelinkurl	O	O	O	O	O
mht.savememo	O	O	X	O	O
mht.templatepath	O	O	O	O	O

mht.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

mht.filename

Sets the file name.

See Also

Save Dialog Box

mht.largebundle

Sets the "Save one page" option in the Basic Save Option Dialog Box when you save the report to MHT.

Values

true	Check
false	Do not check(The default value)

Reference

Please use this parameter when you want to set the "Save one page" option to work independently only MHT regardless of the different formats. For example, the "Save one page" option is checked only in MHT when set to "mht.largebundle=true, [export.largebundle=false](#)". Likewise, the "Save one page" option is unchecked only in MHT when set to "mht.largebundle=false, [export.largebundle=true](#)". The above rules still apply even if you check or uncheck the "Save one page" option in the Viewer window.

To export the report directly without previewing, please set the "[viewer.largebundle=true](#)" when saving the report to a single page.

See Also

Basic Save Option Dialog Box

mht.password

Sets the "Password" option.

Reference

Please set passwords to only a 1byte character. Otherwise, passwords are displayed in the dialog box, but the report is saved without a password.

To change the Web page for inputting a password to fit the customer's environment create a template page for the customer and set the value of the [mht.templatepath](#) parameter to the template page path.

mht.path

Sets the file path.

See Also

Save Dialog Box

mht.savefont

Sets the the "Font" option.

See Also

MHT Save Option Dialog Box

mht.savefontsize

Sets the "Size" of the "Font" option.

See Also

MHT Save Option Dialog Box

mht.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

mht.savememo

Sets the save option for memos and callout shapes when saving an MHT file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

mht.templatepath

Sets the path of the template pages for inputting a password.

Reference

The path can be set to a format such as Http URL, File URL, and OZ URL.

You must create a template page to fit the following rules.

```
1 <html>
2 <head><meta charset="UTF-8" http-equiv="content-type">
3 <script language='JavaScript' type='text/JavaScript'>
4 function Decrypt(errormsg) {
5     try {
6         var cliperText; var pwd;
7         cliperText = document.frm._viewData.value;
8         pwd = document.frm.pwd.value;
9         var h = 0; for (var i = 0; i < pwd.length; i++) h = (31*h + pwd.charCodeAt(i))|0;
10
11         <!-- Confirm password -->
12         if(Math.abs(h<<h) != unescape("<!-- Do not edit this line -->")) {
13             alert(errormsg);
14             document.frm.pwd.value = "";
15             document.frm.pwd.focus();
16             return;
17         }
18
19         <!-- View report -->
20         cliperText = document.frm._viewData.value;
21         pwd = document.frm.pwd.value;
22         var bin = unescape(cliperText).split(',');
23         var text = "";
24         var strKey = pwd;
25         for (var i = 0; i < bin.length; i++) {
26             text = text + String.fromCharCode(Number(bin[i]) + strKey.charCodeAt(i % strKey.length));
27         }
28         document.write(text);
29     } catch(err) {
30         alert(err.description);
31         return;
32     }
33 }
34 </script>
35 </head>
36
37 <body>
38 <form name='frm' id='frm'>
39     <!-- Modify allowed from here -->
40     <div id='contents'>
41         <p>Please enter your password.</p>
42         <p><input type='password' id='pwd' class='form' value="" size='30' maxlength='100'></p>
43         <p><input type='button' value='OK' onclick='Decrypt("You entered the wrong password.");'></p>
44     </div>
45
46     <!-- Encrypted original file -->
47     <input type='hidden' name='_viewData' value="<!-- Do not edit this line -->">
48 </form>
49 </body>
50 </html>
```

The editable part of the template page is shown below. An error message occurs if you modify other parts and you cannot save the encrypted reports.

- The editable lines are 13-16 and 40-44.
- The decrypt (var Argument1) function in line 43 must be called.
- The frm and pwd can be changed to other words.

See Also

[mht.password](#)

multiscreen

Sets the multi-screen options.

Available Viewers

Parameter	EXE
multiscreen.autoscroll_when_commented	☐
multiscreen.checkbox_type	☐
multiscreen.checkbox_use_highlight	☐
multiscreen.comment_mode	☐
multiscreen.custom_input_layout	☐
multiscreen.custom_ui	☐
multiscreen.extraparam	☐
multiscreen.highlightpen_guide	☐
multiscreen.ignore_disable_color_inputcomponent	☐
multiscreen.inputpad_pos	☐
multiscreen.main_disable_types	☐
multiscreen.onvaluechanged_callrule_json	☐
multiscreen.prev_next_page_icon_disable_url	☐
multiscreen.prev_next_page_icon_margin	☐
multiscreen.prev_next_page_icon_size	☐
multiscreen.prev_next_page_icon_url	☐
multiscreen.radiobutton_show_enableonly	☐

multiscreen.radiobutton_type	
multiscreen.radiobutton_use_highlight	
multiscreen.screentype	
multiscreen.show_prev_next_input	
multiscreen.show_prev_next_page_icon	
multiscreen.show_scrollbar	
multiscreen.showthumbnail	
multiscreen.signpad_type	
multiscreen.signpad_viewtype	
multiscreen.signpad_window_transparency	
multiscreen.stylejson	
multiscreen.sub_disable_types	
multiscreen.subscreen_input_highlight_stylejson	
multiscreen.sync_component_inputdialog	
multiscreen.sync_component_inputdialog_available_action_json	
multiscreen.sync_component_inputdialog_type	
multiscreen.thumbnail_icon_margin	
multiscreen.thumbnail_icon_url	
multiscreen.thumbnail_title	
multiscreen.thumbnailviewsize	
multiscreen.togglebutton_type	
multiscreen.togglebutton_use_highlight	
multiscreen.viewmode	

multiscreen.zoom



 Only e-Form

multiscreen.autoscroll_when_commented

Sets whether to scroll the report displayed on the sub screen automatically.

Values

true	Scroll automatically
false	Do not scroll(The default value)

multiscreen.checkbox_type

Sets the execution type of CheckBox.

Values

dialog	Run as dialog box
dialog_at_prev_next	Runs as a dialog box, only when the CheckBox is selected due to the previous/next sequence
direct	Selects directly on the screen(The default value)
ensurevisible_at_prev_next	Scrolls through the report to show the CheckBox on the screen and stops the previous/next operation, if the user runs the previous/next operation

multiscreen.checkbox_use_highlight

Sets whether to apply the highlighting effect to CheckBox.

Values

true	Apply
false	Do not apply(The default value)

Reference

Applies only if the "[multiscreen.checkbox_type](#)" parameter value is "direct" or "ensurevisible_at_prev_next".

multiscreen.comment_mode

Sets the execution comment type of the sub monitor.

Values

comment	Run as comment mode
input	Run as input mode(The default value)

Reference

Both the main and sub monitors can be set as comment mode.

multiscreen.custom_input_layout

Sets the title shown in the title area of the input window and the position and size of the input component operation button.

Reference

Set the parameter value as a string in the following JSON format:

```
{"ComponentType":{"titlebar":{"buttons":{"Key":{"bounds":[X, Y, width, height]},...},"title":{"bounds":[ X, Y, width, height]},...}}}
```

ComponentType can only be combobox, datetimepicker, radiobutton, signpad, and textbox.

The configurable keys are as follows:

Key	Description
prev	Prev button
next	Next button
init	Clear button
ok	OK button
cancel	Cancel button
draw	Draw/Erase button
unselect	Unselect button

multiscreen.custom_ui

Sets the font color, background color, button image path and guide line of the input window.

Reference

The default value is an empty value.

Set the parameter values in the following format:

```
{"Key1":"Value1","Key2":"Value2",...,"Keyn":"Valuen"}.
```

The configurable keys are as follows:

Key	Description
alert_border_color	Border color of the Alert window(The default value is 0066CC)
alert_background_color	Background color of the Alert window(The default value is F5F5F5)
alert_button_background_color	Background color of the Alert window button(The default value is F5F5F5)
alert_button_border_color	Border color of the Alert window button(The default value is 0066CC)
alert_button_font_color	Font color of the Alert window button(The default value is 000000)
alert_font_color	Font color of the Alert window(The default value is 000000)
alert_title_background_color	Background color of the title area of the Alert window(The default value is 61A2CA)

Key	Description
alert_title_font_color	Font color of the title area of the Alert window(The default value is 000000)
cancel_url	[Cancel] button image path
combo_check_color	Checkmark color of the selected item in the combo box(The default value is 3598DB)
combo_item_selected_color	Background color of the selected item in RadioButton/ComboBox(The default value is DDDDDD)
complete_url	[OK] button image path
datetimepicker_next_url	[>] button image path in DateTimePicker
datetimepicker_next_year_url	[>>] button image path in DateTimePicker
datetimepicker_pre_url	[<] button image path in DateTimePicker
datetimepicker_pre_year_url	[<<] button image path in DateTimePicker
datetimepicker_saturday_font_color	Font color of Saturday in DateTimePicker(The default value is 3598DB)
datetimepicker_selected_bg_color	Background color of the selected date in DateTimePicker(The default value is 1BBC9B)

Key	Description
datetimepicker_selected_font_color	Font color of the selected date in DateTimePicker(The default value is FFFFFFFF)
datetimepicker_show_unselect	Sets whether to display the [Unselect] button of the DateTimpePicker input window(The default value is false)
datetimepicker_sunday_font_color	Font color of Sunday in DateTimePicker(The default value is FF4000)
datetimepicker_time_ampm_font_color	Font color of am/pm of DateTimePicker(The default value is FFFFFFFF)
datetimepicker_time_bg_color	Background color of the time display area of DateTimePicker(The default value is FFFFFFFF)
datetimepicker_time_font_color	Font color of h/m/s of DateTimePicker(The default value is 000000)
datetimepicker_time_updown_bg_color	Background color of the time increase/decrease button of DateTimePicker(The default value is DDDDDD)
datetimepicker_time_updown_button_color	Button color of the time increase/decrease button of DateTimePicker(The default value is 3598DB)

Key	Description
datetimepicker_title_font_color	Font color of year/month in DateTimePicker(The default value is FFFFFFFF)
datetimepicker_title_text	Input window title in DateTimePicker. Applied only if the tooltip text in DateTimePicker is an empty value
datetimepicker_today_font_color	Font color of today in DateTimePicker(The default value is 1BBC9B)
datetimepicker_unselect_url	[Unselect] button image path of the DateTimpePicker input window
datetimepicker_week_bg_color	Background color of days in DateTimePicker(The default value is DDDDDD)
input_dialog_skin_type	UI type of input dialog(The default value is 2). Set the value to "1" or "2". If set to 1, the UI will be displayed smaller than the default UI. Additionally, among the multiscreen.stylejson parameter values, all keys of "inputdialog" and some keys(color, image path) of "toolbar" are not applied
input_maintoolbar_position	Position of main toolbar in input dialog(The default value is top). Set the value to "bottom" or "top". Not supported if input_dialog_skin_type is 1

Key	Description
input_title_position	Position of the title on the input dialog(The default value is default). "default" displays the title in the center of the button area, and "top" displays the title above the button area
keypad_backspace_url	Keypad backspace button image path
keypad_clear_url	Keypad [Clear] button image path
keypad_default_optionkey	The key on the keypad for replacing the comma and period(The default value is default). Must be set in the form of "comma=key to replace the comma dot=key to replace the period" and is applied when the keyboard type is not set to email address
keypad_handwrite_url	Keypad handwrite button image path
keypad_key_outline_color	Keypad key border color(The default value is 4A6077)
keypad_keypad_url	Keypad button image path
keypad_layout_type	The layout type of the keypad(The default value is default). Set the value to "default" or "numpad". "Default" displays the number key above the keypad, and "numpad" displays the number key on the right of the keypad

Key	Description
keypad_ok_bg_color	Background color of the keypad [OK] button(The default value is 1BBC9B)
keypad_ok_font_color	Keypad [OK] button font color(The default value is 1BBC9B)
keypad_show_toolbar_ok	Sets whether to display the [OK] button of the keypad (The default value is false)
keypad_small_key_font_color	Keypad small keys font color(The default value is AAAAAA)
keypad_special_key_bg_color	Background color of the keypad special key(The default value is DDDDDD)
keypad_special_key_font_color	Font color of the keypad special key(The default value is 333333)
list_show_navigator_button	Sets whether to display the up/down navigator button of RadioButton/ComboBox(The default value is false)
list_show_unselect	Sets whether to display the [Unselect] button of RadioButton/ComboBox(The default value is false)
list_title_text	Input window title in RadioButton/ComboBox. Applied only if the tooltip text in

Key	Description
	RadioButton/ComboBox are empty values
list_unselect_url	[Unselect] button image path of the RadioButton/ComboBox input window
main_bg_color	Background color of the input window(The default value is 4A6077)
next_disable_url	[Next] button image path(Disabled)
next_url	[Next] button image path(Enabled)
number_keypad_show_ok_button	Whether to show the [OK] button on the numeric keypad. Not supported if input_dialog_skin_type is 1
pre_disable_url	[Prev] button image path(Disabled)
pre_url	[Prev] button image path(Enabled)
reset_url	[Clear] button image path
sign_area_min_height	Minimum height ratio of the signature area (1 ~ 100). Applies only if the " multiscreen.signpad_type " parameter value is dialog or keypad and the " multiscreen.signpad_viewtype " parameter value is fittoframe or keepratio when the signpad is not a

Key	Description
	group. If sign_area_min_height is set, signzoom is not applied
signpad_background_color	Signpad background color(The default value is DADDE1). Applies only if the "multiscreen.signpad_type" parameter value is dialog or keypad
signpad_guideline_color	Color of the signpad guide line(The default value is C0C0C0)
signpad_guideline_shape	Shape of the signpad guide line(The default value is none). Sets the value to "none" or "underline". If set to "none", no guideline is displayed. If set to "underline", a guideline is displayed at the bottom of the signature area
signpad_guideline_style	Style of the signpad guide line(The default value is dashed). Sets the value to "dashed" or "solid"
signpad_guideline_thickness	Thickness of the signpad guide line(The default value is 5)
signpad_guideline_transparency	Transparency of the signpad guide line(The default value is 128). Set to a value between 0 and 255, and seting to a small value is increases transparency

Key	Description
signpad_ok_size	Size ratio of the [OK] button on the signpad(The default value is 100). Set to a value between 100 and 300
signpad_reset_fittoheight	Sets whether to enlarge the size of the [Clear] button to fit the height of the signature toolbar(The default value is false)
signpad_reusablesign_visible_type	Display type of the [Reuse] button(The default value is always). Set the value to "always" or "subscreenonly". If set to "always", shows it on the main and sub screens. If set to "subscreenonly", shows it on the sub screen. Applied when signpad is included in the multiscreen.sync_component_inputdialog parameter value
signpad_reusablesign_url	[Reuse] button image path
signpad_show_draw_erase_button	Sets whether to display the [Draw]/[Erase] button(The default value is true)
signpad_title_text	Title of the SignPad input window. Applied only if the tooltip text in SignPad is an empty value. But if SignPad is a group and the view type is FitToFrame, always applied to the signpad_title_text value

Key	Description
signpad_use_pen_pressure	Sets whether to use the signature pressure(The default value is true)
textbox_title_text	Title of the TextBox input window. Applied only if the tooltip text in TextBox is an empty value
title_bg_color	Title area background color(The default value is 2D3E77)
title_font_color	Title area font color(The default value is FFFFFFFF)
toolbar_skin_type	UI type of toolbar(The default value is 2). If the value is set to 1, the button is displayed as an image. If the value is set to 2, the button is displayed as text. If toolbar_skin_type=1, then toolbar_alignment of multiscreen.extraparam supports only top, left. If toolbar_skin_type=2, then toolbar_alignment of multiscreen.extraparam supports only bottom, top
zoom_button_direction	Alignment direction of the zoom button displayed on the sub screen(The default value is vertical). Set the value to "horizontal" or "vertical"
zoom_button_layout	Position of the zoom button displayed on the sub screen(The default value is righttop). Set the value to "lefttop", "leftbottom", "righttop" or "rightbottom"

Key	Description
zoom_button_show_fixed_size	Sets whether to display the zoom button with a fixed size on the sub screen(The default value is true). If set to "false", the zoom button is displayed at a 5% ratio of the smaller value among the width and height of the viewer area. Note that if tablet_dpi is set, then the zoom button is displayed at 5% of the tablet_dpi size

The image file path can be set to Http URL or File URL. If you set the image file path to blank or the file does not exist in the specified path, the default image image is displayed.

The available image formats are JPG, PNG, GIF and BMP.

multiscreen.extraparam

Set the parameters to send to the multi-screen module.

Reference

The default value is an empty value.

Set the parameter values in the following format:

"Key1=Value1,Key2=Value2,...,Keyn=Valuen".

The configurable keys are as follows:

Key	Description
allow_gesture_type	Available gesture action types(The default value is all). Set the value to "all" or "none". If set to "none", all gesture

Key	Description
	actions are not allowed
allow_only_pen_while_editing_with_input_dialog	Whether to allow users to use a stylus pen only when editing in the input window(The default value is false)
allow_only_pen_while_chatting	Whether to allow users to use a stylus pen only when chatting online(The default value is false)
block_subscreen_at_edit	Sets whether to run the input window as modal type(The default value is false)
block_subscreen_at_edit_transparency	Sets the transparency of the report area when executing an input window(The default value is 100). Set to a value between 0 and 100. Applies only if the "block_subscreen_at_edit" key value is "true"
commenttoolbar_alignment	Comment toolbar display position of the sub screen(The default value is empty). Set the value to "" or "top". When set to an empty value, do not display the comment toolbar
next_disable_icon_url	Navigation window [Next] button image path(Disabled)
next_icon_url	Navigation window [Next] button image path(Enabled)
page_number_display_type	View type of the page number(The default value is none). Set the value to "none" or "alwaysshow". If this is set to

Key	Description
	"none", the page number is not displayed. If this is set to "alwaysshow", the page number is displayed at the top right corner of the page
prev_disable_icon_url	Navigation window [Prev] button image path(Disabled)
prev_icon_url	Navigation window [Prev] button image path(Enabled)
tablet	The sub screen information to be integrated with the main screen. ex) wacom_2007, wacom_wintab, accuex_15.6
tablet_dpi	Dpi of the title icon on the input dialog(The default value is 96)
tablet_number	Monitor to be set as the sub screen. If tablet_number is set, tablet_size is not applied.
tablet_size	Multi-screen display resolutions. Set in the form "Horizontal / Vertical"
tablet_window_rect	Coordinate and size of the Window displayed on the sub screen. Set to "X-coordinate/Y-coordinate/width/height" format
toolbar_alignment	Main toolbar display position of the sub screen(The default value is empty). Set the value to "", "bottom", "left"

Key	Description
	or "top". If this is set to "", do not display the main toolbar
updatenow	Sets whether to apply the input value immediately to the report if the input component values are changed(The default value is false)
usesynczoomscroll	Sets whether to synchronize the zoom and scroll of the main screen and the sub screen(The default value is false)
zoom_navigator	The position of the zoom navigator. Sets to the "X-coordinate/Y-coordinate" format based on subscreen full screen. Applies only if the " multiscreen.viewmode " parameter value is fittoframe and the " viewer.pagedisplay " parameter value is singlepage
zoomin_url	Tool window [Zoom in] button image path
zoomout_url	Tool window [Zoom out] button image path
zoomreset_url	Tool window [Zoom reset] button image path

The image file path can be set to Http URL or File URL. If you set the image file path to blank or the file does not exist in the specified path, the default image is displayed.

The available image formats are JPG, PNG, GIF and BMP. If the image height is not 40, the image is scaled accordingly to fit the height of 40.

Set tablet_dpi between 96 and 300, and the value is applied to the tool window zoom icon, the prev/next icon on the navigation window, and the height of the title on the component input dialog and the icon set by the URL.

Set the value of tablet_window_rect to a greater than 0.

multiscreen.highlightpen_guide

Sets to the previous/next component based on guided input components with the highlighter.

Values

false	Sets in the order set at design time
reorder	Rearrange the previous/next move order based on the guided components with the highlighter(The default value)

multiscreen.ignore_disable_color_inputcomponent

Sets whether to display disabled input components as enabled input components

Values

true	Display as enable all input components
false	Display according to the Enable property of the input component(The default value)

multiscreen.inputpad_pos

Sets the display position of the input component edit window.

Values

bottom	Displayed below the report area
bycomponent	Displayed according to the position of the input components running the window
embedded	Displayed at the bottom of the screen. Scrolls are automatically adjusted to not cover input components(The default value)

multiscreen.main_disable_types

Sets the input component to disable on the main screen.

Values

button	Button
checkbox	CheckBox
combobox	ComboBox
datetimepicker	DateTimePicker
imagepicker	ImagePicker
numericupdown	NumericUpDown
radiobutton	RadioButton

signpad	SignPad
textbox	TextBox
voicerecorder	VoiceRecorder

Reference

This parameter values can be set to multiple values using (,).

multiscreen.onvaluechanged_callrule_json

Sets when the OnValueChanged event of the input component is called.

Reference

Set the parameter values in the following format:

```
{"ComponentType1":"OnValueChangedType1","ComponentType2":"OnValueChangedType2",...,"ComponentTypen":"OnValueChangedTypen"}.
```

Rules for setting ComponentType

- The component types that support this feature are ComboBox, DateTimePicker, RadioButton, NumericUpDown, SignPad, TextBox, and ToggleButton.
- This parameter applies for RadioButton when the [multiscreen.radioButton_type](#) parameter value is "dialog", and it applies for ToggleButton when the [multiscreen.togglebutton_type](#) parameter value is "dialog".
- To apply the same OnValueChangedType to all ComponentType, set ComponentType to "all".

Rules for setting OnValueChangedType

- OnValueChangedType can be set to "changed" or "endinput". If it is set to "changed", then it is called whenever the input value is changed. If it is set to "endinput", then it is called only once when the the input value is changed at the time input is completed.
- If no value is set, then "endinput" is applied.
- This parameter has priority over updatenow=true in the [multiscreen.extraparam](#) parameter.

multiscreen.prev_next_page_icon_disable_ur

|

Sets the url of the disabled prev/next page move icon.

Reference

To use this parameter, please set the value of the [multiscreen.show_prev_next_page_icon](#) parameter to true.

multiscreen.prev_next_page_icon_margin

Sets the margin of the prev/next page move icon.

Reference

To use this parameter, please set the value of the [multiscreen.show_prev_next_page_icon](#) parameter to true.

multiscreen.prev_next_page_icon_size

Sets the size of the prev/next page move icon.

Reference

To use this parameter, please set the value of the [multiscreen.show_prev_next_page_icon](#) parameter to true.

multiscreen.prev_next_page_icon_url

Sets the url of the enabled prev/next page move icon.

Reference

To use this parameter, please set the value of the [multiscreen.show_prev_next_page_icon](#) parameter to true.

multiscreen.radiobutton_show_enableonly

Sets whether to only show enabled radio buttons in the input dialog.

Values

true	Shows only enabled radio buttons. Does not show disabled status
false	Shows all regardless of whether enabled or disabled(The default value)

Reference

However, to use this feature in the RadioButton, set the "Group Name" property of the RadioButton to the name of the RadioButtonGroup and set the [multiscreen.radiobutton_type](#) parameter to dialog or dialog_at_prev_next.

multiscreen.radiobutton_type

Sets the execution type of RadioButton.

Values

dialog	Run as a dialog box(The default value)
dialog_at_prev_next	Run as a dialog box, only when the RadioButton is selected due to the previous/next sequence
direct	Click directly on the preview screen
ensurevisible_at_prev_next	If the previous/next sequence is a RadioButton, automatically scrolls to reports in the area that can display a RadioButton and stops the previous/next sequence

multiscreen.radiobutton_use_highlight

Sets whether to apply the highlighting effect to RadioButton.

Values

true	Apply
false	Do not apply(The default value)

Reference

This parameter is applied when RadioButtons are grouped into a RadioButtonGroup and the value of the [multiscreen.radiobutton_type](#) parameter is set to "direct" or "ensurevisible_at_prev_next".

multiscreen.screen_type

Sets the screen to display the viewer.

Values

monitor	Displayed on the main screen(The default value)
submonitor	Displayed on the sub screen

Reference

The frame of viewer is not displayed on the sub screen. Therefore frame related parameters will not work on the sub screen.

If you want to apply this parameter value to submonitor, please set the [viewer.isframe](#) parameter value to true or inprocess. Also, if you set the parameter value to submonitor, multiscreen parameter group does not work.

multiscreen.show_prev_next_input

Sets whether to display and disable the [Prev]/[Next] button.

Values

true	Display(The default value)
------	----------------------------

false	Do not display
-------	----------------

multiscreen.show_prev_next_page_icon

Sets whether to display the prev/next page move icon.

Values

true	Display
false	Do not display(The default value)

Reference

Applies only if the toolbar_alignment key is not added to the [multiscreen.extraparam](#) parameter value.

multiscreen.show_scrollbar

Sets whether to display the vertical scroll on the sub screen.

Values

true	Display
false	Do not display(The default value)

multiscreen.showthumbnail

Sets whether to display the thumbnail window and the "Show thumbnail" icon on the sub screen after the completion of the binding.

Values

hide	Do not display the thumbnail window and the "Show thumbnail" icon(The default value)
icon	Display the "Show thumbnail" icon only
show	Display the thumbnail window only

Reference

Applies only if the toolbar_alignment key is not added to the [multiscreen.extraparam](#) parameter value.

multiscreen.signpad_type

Sets the signature type.

Values

dialog	Signature pad modal dialog at the bottom of the window is displayed when clicking the sign
direct	Signed immediately when clicking the sign
embedded	The signpad is displayed at the bottom of the window when clicking the signature(The default value)
keypad	Signature pad at the bottom of the window is displayed when clicking the sign

multiscreen.signpad_viewtype

Sets the view type of the signpad in the multiscreen environment.

Values

fittoframe	Displays the entire signpad as a signature area. When signing in groups, the signature areas are evenly distributed horizontally by the number of signatures
fittoframeandkeepratio	Displays the entire signpad as a signature area. When signing in groups, the signature areas are horizontally distributed, proportionally to the width of each signature
fittoframeverticalalign	Displays the entire signpad as a signature area. When signing in groups, the signature areas are vertically distributed, proportionally to the width of each signature
keepratio	Displays the signpad area in proportion to the signature size. When signing in groups, the signature areas are evenly distributed vertically. There is no undo button to revert back to the previous signature(The default value)
keepratioandfittoframe	Displays the entire signpad area as a signature area. When signing in groups, the signature areas are horizontally distributed, proportionally to the width of each signature. There is no undo button to revert back to the previous signature
scrollable	Displays a horizontal scroll at the bottom of the signpad when the width of the viewer window is smaller than the width of the signpad.

	When signing in groups, it works the same as KeepRatio. There is no undo button to revert back to the previous signature
--	--

Reference

Applies only if the "[multiscreen.signpad_type](#)" parameter value is "dialog" or "keypad".

multiscreen.signpad_window_transparency

Sets the transparency of the signature pad.

Reference

The default value is 100.

Set to a value between 0 and 255, and setting to a small value increases transparency.

Please set the background color of the signature pad to [signpad_background_color](#) in the [multiscreen.custom_ui](#) parameter.

Applies only if the "[multiscreen.signpad_type](#)" parameter value is "dialog".

multiscreen.stylejson

Sets the input dialog Style.

Reference

Set the parameter value as a string in the following JSON format:

```
{"inputdialog":{"GroupKey1":{"Key1":"Value1","Key2":"Value2",...},...},"toolbar":  
{"Key1":"Value1","Key2":"Value2",...},"commenttoolbar":{"Key1":"Value1","Key2":"Value2",...}}.
```

The image file path can only be in the form of an HTTP URL.

The configurable keys are as follows:

inputdialog GroupKey: common

Key		Description
backgroundcolor		Background color
fontname		Font name
enable_prev_image		[Prev] button image path(Enabled)
enable_next_image		[Next] button image path(Enabled)
disable_prev_image		[Prev] button image path(Disabled)
disable_next_image		[Next] button image path(Disabled)
confirm_image		[OK] button image path
cancel_image		[Cancel] button image path
clear_image		[Clear] button image path
reset_image		[Clear] button image path
tooltiptext	fontcolor	Tooltip text font color. Applies when the multiscreen.signpad_viewtype parameter value is set to one of the following values: keepratio and keepratioandfittoframe

inputdialog GroupKey: combobox, radiobutton, togglebutton

Key	Description
-----	-------------

checkmark_color	Checkmark color
item_backgroundcolor	Background color of the unselected item
item_fontcolor	Font color of the unselected item
selected_item_backgroundcolor	Background color of the selected item
selected_item_fontcolor	Font color of the selected item
disable_item_fontcolor	Font color of disabled items
scrollbar_backgroundcolor	Scrollbar area background color
scrollbar_color	Scrollbar color

inputdialog GroupKey: signpad

Key	Description
selected_pen_image	[Pen] button image path
selected_eraser_image	[Erase] button image path
seal_button_image	[Seal] button image path
fittoframe_reset_button_image	[Clear] button image path. Applies when the multiscreen.signpad_viewtype parameter value is set to one of the following values: fittoframe, fittoframeandkeepratio and fittoframeverticalalign

keepratio_reset_button_image		[Clear] button image path. Applies when the multiscreen.signpad_viewtype parameter value is set to one of the following values: keepratio and keepratioandfittoframe
signtext_fontname		The name of the font of the signature displayed
tooltiptext	fontcolor	Tooltip text font color. Applies when the multiscreen.signpad_viewtype parameter value is set to one of the following values: fittoframe, fittoframeandkeepratio and fittoframeverticalalign

inputdialog GroupKey: textbox

Key		Description
account	search_button_backgroundcolor	Background color of the [Search] button of the account number input dialog
	search_button_fontcolor	Font color of the [Search] button of the account number input dialog
	pagenumber_fontcolor	Font color of the page number of the account number input dialog
	page_prev_button_image	Image path of the [<] button of the account number input dialog

	page_next_button_image	Image path of the [>] button of the account number input dialog
	title_fontcolor	Font color of the title of the account number input dialog
	list_header_fontcolor	Font color of the list header of the account number input dialog
	list_item_fontcolor	List item font color of the account number input dialog
address	search_button_image	Image path of the [Search] button of the address input dialog.
	pagenumber_fontcolor	Font color of the page number of the address input dialog
	page_prev_button_image	Image path of the [<] button of the address input dialog
	page_next_button_image	Image path of the [>] button of the address input dialog
	enable_title_backgroundcolor	Background color of the title of the tab selected in the address input dialog
	enable_title_fontcolor	Font color of the title of the tab selected in the address input dialog

	disable_title_backgroundcolor	Background color of the title of the tab not selected in the address input dialog
	disable_title_fontcolor	Font color of the title of the tab not selected in the address input dialog
toggle_password	show_button_backgroundcolor	Background color of the [Show] button of the number input dialog in which the password format is set
	show_button_fontcolor	Font color of the [Show] button of the number input dialog in which the password format is set
	hide_button_backgroundcolor	Background color of the [Hide] button in the number input dialog in which the password format is set
	hide_button_fontcolor	Font color of the [Hide] button of the number input dialog in which the password format is set

toolbar Key

Key	Description
backgroundcolor	Background color

fontcolor	Font color
thumbnail_url	Image path of the [Thumbnail] button
firstpage_enable_url	Image path of the enabled [First] button
firstpage_disable_url	Image path of the disabled [First] button
lastpage_enable_url	Image path of the enabled [Last] button
lastpage_disable_url	Image path of the disabled [Last] button
prevpage_enable_url	Image path of the enabled [Prev] button
prevpage_disable_url	Image path of the disabled [Prev] button
nextpage_enable_url	Image path of the enabled [Next] button
nextpage_disable_url	Image path of the disabled [Next] button
zoomin_url	Image path of the [Zoom in] button
zoomout_url	Image path of the [Zoom out] button
zoomreset_url	Image path of the [100%] button
chat_url	Image path of the [Chat] button
show_thumbnail	Whether to show the [Thumbnail] button in the toolbar(The default value is true)

show_home	Whether to show the [First] button of the toolbar(The default value is true)
show_prev	Whether to show the [Prev] button in the toolbar(The default value is true)
show_next	Whether to show the [Next] button in the toolbar(The default value is true)
show_end	Whether to show the [Last] button in the toolbar(The default value is true)
show_zoomin	Whether to show the [Zoom in] button in the toolbar(The default value is true)
show_zoomout	Whether to show the [Zoom out] button in the toolbar(The default value is true)
show_zoomreset	Whether to show the [100%] button in the toolbar(The default value is true)
show_chat	Whether to show the [Chat] button in the toolbar(The default value is false)

commenttoolbar Key

Key	Description
backgroundcolor	Background color

select_color	Background color of the selected item
separator_color	Color of the item separator line
hand_url	Image path of the [Hand] button
pen_url	Image path of the [Pen] button
highlightpen_url	Image path of the [Highlighter] button
eraser_url	Image path of the [Erase] button
clear_url	Image path of the [Delete all] button
undo_enable_url	Image path of the enabled [Undo] button
redo_enable_url	Image path of the enabled [Redo] button
redo_disable_url	Image path of the disabled [Redo] button
undo_disable_url	Image path of the disabled [Undo] button

multiscreen.sub_disable_types

Sets the input component to disable on the sub screen.

Values

button	Button
checkbox	CheckBox

combobox	ComboBox
datetimepicker	DateTimePicker
imagepicker	ImagePicker
numericupdown	NumericUpDown
radiobutton	RadioButton
signpad	SignPad
textbox	TextBox
voicerecorder	VoiceRecorder

Reference

This parameter values can be set to multiple values using (,).

multiscreen.subscreen_input_highlight_style json

Sets the highlighting style of input components when the input window is launched in the sub screen.

Reference

The highlighting style is applied concurrently in both the main screen and the sub screen.

Set the parameter values in the following format:

```
{"Key1":"Value1","Key2":"Value2",...,"Keyn":"Valuen"}.
```

The configurable keys are as follows:

Key	Description
highlightstrokecolor	Border color. Set in the RGBA format(The default value is FF000080)
highlightstrokethickness	Border thickness(The default value is 5)

multiscreen.sync_component_inputdialog

Sets the components to synchronize the input dialog.

Values

all	All components run as a dialog box
checkbox	CheckBox
combobox	ComboBox
datetimepicker	DateTimePicker
none	Does not synchronize any component(The default value)
numericupdown	NumericUpDown
radiobutton	RadioButton
signpad	SignPad
textbox	TextBox
togglebutton	ToggleButton

Reference

This parameter values can be set to multiple values using (,).

This function runs when the [viewer.screentool](#) parameter value is set to "multiscreenguide".

The following settings are required for each component.

Component	Additional settings
checkbox	Please set multiscreen.checkbox_type value to dialog_at_prev_next.
radiobutton	Please set multiscreen.radiobutton_type value to dialog or dialog_at_prev_next. Sets the Group Name property value to the radio button group name.
togglebutton	Please set multiscreen.togglebutton_type value to dialog or dialog_at_prev_next.

multiscreen.sync_component_inputdialog_a vailable_action_json

Sets whether to operate the button and the input window area while the input dialog is synchronized.

Reference

Parameter values are set in the form of {"main":{"ComponentType1": {"inputarea":"true/false","buttons":{"ButtonKey1":"true/false","ButtonKey2":"true/false",...}}, "ComponentType2":{"inputarea":"true/false" ,"buttons": {"ButtonKey1":"true/false","ButtonKey2":"true/false",...}}, ...}, "sub":{"ComponentType1": {"inputarea":"true/false","buttons":{"ButtonKey1":"true/false","ButtonKey2":"true/false",...}},

```
"ComponentType2":{"inputarea":"true/false","buttons":  
{"ButtonKey1":"true/false","ButtonKey2":"true/false",...}}, ...}}.
```

For signatures, the input area always operates as "false" on the main screen.

The configurable ComponentType are as follows:

ComponentType	Description
all	All components run as a dialog box
checkbox	CheckBox
combobox	ComboBox
datetimepicker	DateTimePicker
numericupdown	NumericUpDown
radiobutton	RadioButton
signpad	SignPad
textbox	TextBox
togglebutton	ToggleButton

The configurable ButtonKey are as follows:

ButtonKey	Description
address	Address search button
cancel	[Cancel] button

ButtonKey	Description
clear	[Clear] button
confirm	[OK] button
email	Button to show the email list page
next	[Next] button
prev	[Prev] button
reusablesign	[Reuse] button
sealscan	[Seal] button
search	[Search account] button
unselect	[Unselect] button

multiscreen.sync_component_inputdialog_type

Sets the sync type of the input dialog running on the sub screen.

Values

always	Always synchronizes regardless of Viewer Tool
--------	---

guidemodeonly	Synchronizes when Viewer Tool is set to multiscreenguide(The default value)
---------------	---

Reference

Only synchronizes the components set in the [multiscreen.sync_component_inputdialog](#) parameter value.

multiscreen.thumbnail_icon_margin

Sets the margin of the show thumbnail icon on the sub screen.

Reference

The default value is 10, 10 and the unit is in percent.

Set to a value between 0 and 100 and if 100 is set, it is displayed on the right-bottom.

multiscreen.thumbnail_icon_url

Sets the image of the thumbnail on the sub screen.

Reference

The image file path can be set to Http URL or File URL. If you set the image file path to blank or the file does not exist in the specified path, the default image is displayed.

The available image formats are JPG, PNG, GIF and BMP.

multiscreen.thumbnail_title

Sets the title of the thumbnail window on the sub screen.

Reference

The default value is thumbnail.

multiscreen.thumbnailviewsize

Sets the width of the thumbnail window on the sub screen.

Reference

The default value is 30 and the unit is in percent.

Set to a value between 10 and 90.

multiscreen.togglebutton_type

Sets the execution type of ToggleButton.

Values

dialog	Run as a dialog box
dialog_at_prev_next	Run as a dialog box, only when the ToggleButton is selected due to the previous/next sequence
direct	Click directly on the preview screen(The default value)
ensurevisible_at_prev_next	If the previous/next sequence is a ToggleButton, automatically scrolls to reports in the area that can display a ToggleButton and stops the previous/next sequence

multiscreen.togglebutton_use_highlight

Sets whether to apply the highlighting effect to ToggleButton.

Values

true	Apply
false	Do not apply(The default value)

multiscreen.viewmode

Sets the report view mode.

Values

normal	Show realsize
fittoframe	Show fit to frame
fittowidth	Show fit to width(The default value)

multiscreen.zoom

Sets the zoom ratio.

Reference

The default value is 100.

The available values are 50 to 1000.

Applies only if the "[multiscreen.viewmode](#)" parameter value is "normal".

odi

Sets the ODI options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
odi.odiname.args#	O	O	O	O	O
odi.odiname.clientdmtype	O	O	O	O	O
odi.odiname.compresseddatamodule	O	O	O	O	O
odi.odiname.disconnectcache	O	X	X	O	O
odi.odiname.fetchtype	O	O	O	O	O
odi.odiname.frameworkurl	O	O	O	O	O
odi.odiname.pcount	O	O	O	O	O
odi.odiname.ozserver.pass	O	O	O	O	O
odi.odiname.ozserver.port	O	X	X	O	O
odi.odiname.ozserver.server	O	X	X	O	O
odi.odiname.ozserver.servlet	O	O	O	O	O
odi.odiname.ozserver.user	O	O	O	O	O
odi.odiname.serverdmtype	O	O	O	O	O
odi.odiname.usescheduleddata	O	O	O	O	O
odi.odinames	O	O	O	O	O

odi.odiname.args#

Used to transfer ODI parameter values.

Reference

is the numerical value and indicates #th parameter, and it ranges from 1 to the value configured in [odi.odiname.pcount](#).

```
"odi.odinames","sales"  
"odi.sales.pcount","2"  
"odi.sales.args1","Country=Korea"  
"odi.sales.args2","City=Seoul"
```

See Also

[odi.odinames](#)

odi.odiname.clientdmtype

Sets the way to receive data modules and process them in the viewer.

Values

normal	Proceed with report binding after receiving all data modules from the server
memory	While receiving data modules from the server and storing them in memory, execute report binding in parallel(The default value)
file	While receiving data modules from the server and storing them in a file, execute report binding in parallel

Reference

In the HTML5/Android/iOS Viewer, this parameter works as memory.

odi.odiname.compresseddatamodule

Sets whether to compress or not when the server requests data module.

Values

true	Compress
false	Do not compress(The default value)

odi.odiname.disconnectcache

Sets whether to use a previously cached data, when the network is disconnected or the viewer is abnormally terminated while downloading an sdm file from the scheduler.

Values

true	Use a previously cached data
false	Do not use a previously cached data(The default value)

odi.odiname.fetchtype

Sets a way for the OZ Server to process data modules when the data modules are requested from the OZ Viewer.

Values

batch	Server generates a data module for the entire data, then sends it to the OZ Viewer(The default value)
concurrent	Generates a data module and sends it to the Viewer at the same time

odi.odiname.frameworkurl

Sets the framework URL of FX Data.

odi.odiname.pcount

Sets the number of ODI parameters.

odi.odiname.ozserver.port

Sets the port number of OZ Server when running Daemon type OZ Server.

Reference

It is used when bringing data from a server that is not the same server that brings form files.

odi.odiname.ozserver.server

Sets the IP address of OZ Server when running Daemon type OZ Server.

Reference

It is used when bringing data from a server that is not the same server that brings form files.

odi.odiname.ozserver.servlet

Sets the URL of OZ Server when running Servlet type OZ Server.

Reference

It is used when bringing data from a server that is not the same server that brings form files.

odi.odiname.serverdmtype

Sets whether the OZ Server should use memory or files when generating a data module in response to a request from OZ Viewer.

Values

file	Use file
memory	Use memory(The default value)

Reference

For heavy amounts of data, using files can reduce usage of memory in server.

odi.odiname.usescheduleddata

Sets the name of the SDM file.

Reference

Sets the name of the SDM file generated by the scheduler so that it can be used in viewing the report.

The file path can be set to the OZ Repository URL(ozp://), Web Server URL(http://) and Local URL(file://). However, HTML5 Viewer sets the relative path based on the path set in `datamodule_path` of the `conf/srmngr.properties` file among OZ Server environment configuration files. Also, the `use_scheduled_data` option in the `srmngr.properties` file must be set to true.

Applies only if the "[connection.datafromserver](#)" parameter value is "false".

odi.odinames

Sets the ODI names.

Reference

The parameter values can be set to multiple values using ",".

odt

Sets the options to save the ODT file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
odt.convertedimagedpi	O	O	O	X	X
odt.filename	O	O	O	X	X
odt.path	O	X	X	X	X
odt.savememo	O	O	X	X	X

odt.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

odt.filename

Sets the file name.

See Also

Save Dialog Box

odt.path

Sets the file path.

See Also

Save Dialog Box

odt.savememo

Sets the save option for memos and callout shapes when saving a ODT file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

ozd

Sets the options to save the OZD file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
ozd.filename	O	O	X	O	O
ozd.includeedithistory			X		
ozd.includeedits	O	O	X	O	O
ozd.includeimage	O	O	X	O	O
ozd.includeinputtime	O	O	X	O	O
ozd.memoallowed	O	O	X	O	O
ozd.optimizeinputvalue	O	O	X	O	O
ozd.password	O	O	X	O	O
ozd.path	O	X	X	X	O
ozd.saveall	O	O	X	O	O

 Only e-Form

ozd.filename

Sets the file name.

See Also

Save Dialog Box

ozd.includeedithistory

Sets whether to save the history of input components.

Values

true	Save
false	Do not save(The default value)

Reference

You can use the function only when you save an OZR format report in the OZD format. To use the function, please set the [ozd.includeedits](#) and `ozd.includeedithistory` parameter values to true and save the file in the OZD format.

An OZD file that has already applied the function always saves changed history.

To clear saved history, please set the [ozd.includeedits](#) parameter value to false and save the file in the OZD format.

HTML5JS viewer is only supported in mobile environments.

ozd.includeedits

Sets the "Include edits" option.

Values

true	Check(The default value)
------	--------------------------

false	Do not check
-------	--------------

See Also

OZD Save Option Dialog Box

ozd.includeimage

Sets the "Include image" option.

Values

true	Check(The default value)
false	Do not check

See Also

OZD Save Option Dialog Box

ozd.includeinputtime

Sets whether to include the time when users changed input values on the viewer screen.

Values

true	Include
false	Do not include(The default value)

ozd.memoallowed

Sets whether to allow you to add memos and callout shapes.

Values

true	Allow(The default value)
false	Do not allow

Reference

This parameter applies only if you save the OZR file in the OZD format.

If you set this parameter to false, and then save in the OZD format, and you open it in the OZ Viewer, the related icons are disabled.

ozd.optimizeinputvalue

Sets whether to save duplicated input values.

Values

true	Save
false	Do not save(The default value)

ozd.password

Sets the "Password" option.

See Also

OZD Save Option Dialog Box

ozd.path

Sets the file path.

See Also

Save Dialog Box

ozd.saveall

Sets the "Save all reports" option.

Values

true	Check
false	Do not check(The default value)

See Also

OZD Save Option Dialog Box

ozsystem

Sets the system field options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
ozsystem.location_address	O	O	O	O	O
ozsystem.user_id	O	O	O	O	O
ozsystem.user_name	O	O	O	O	O

ozsystem.location_address

Sets the value of Location Address.

Reference

Location Address is applied to both OZR and OZD files.

ozsystem.user_id

Sets the value of User_ID and Creator_ID.

Reference

User_ID displays the value of this parameter regardless of the OZR or OZD file.

Creator_ID applies only if you preview the OZR file. In the OZD file, Creator_ID is the value indicated on the system label when the report file is saved as an OZD file.

ozsystem.user_name

Sets the value of User_Name and Creator_Name.

Reference

User_Name displays the value of this parameter regardless of the OZR or OZD file.

Creator_Name applies only if you preview the OZR file. In the OZD file, Creator_Name is the value indicated on the system label when the report file is saved as an OZD file.

pdf

Sets the options to save the PDF file.

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_pdfwriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackPDF.framework) in the Xcode project.
2. Call the __OZExportPack_load_pdf() function before using this function.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
pdf.author	O	O	O	O	O
pdf.changeable	O	O	O	O	O
pdf.contentscopy	O	O	O	O	O
pdf.converted_jpg_quality	O	O	O	O	O
pdf.convertedimagedpi	O	O	O	O	O
pdf.creator	O	O	O	O	O
pdf.custom_metadata_json	O	O	O	O	O
pdf.destination_pageview	O	O	O	O	O
pdf.document_security_encryption_level	O	O	O	O	O
pdf.donot_export_at_invalid_font	O	O	O	X	X

pdf.filename	O	O	O	O	O
pdf.fontembedding	O	O	O	O	O
pdf.fontembedding_prefix	O	O	O	O	O
pdf.fontembedding_subset	O	O	O	O	O
pdf.keyword	O	O	O	O	O
pdf.masterpassword	O	O	O	O	O
pdf.navigationpanes	O	O	O	O	O
pdf.opentopage	O	O	O	O	O
pdf.pagedisplay	O	O	O	O	O
pdf.path	O	X	X	X	O
pdf.printable	O	O	O	O	O
pdf.save_tree_as_bookmark	O	O	O	O	O
pdf.savecharttoimage	O	O	O	O	O
pdf.savecomment			X		
pdf.savelinktoc	O	O	O	O	O
pdf.savelinkurl	O	O	O	O	O
pdf.savememo	O	O	X	O	O
pdf.subject	O	O	O	O	O
pdf.title	O	O	O	O	O
pdf.userpassword	O	O	O	O	O

 Only e-Form

pdf.author

Sets the "Author" option.

See Also

PDF Save Option Dialog Box

pdf.changeable

Sets the "Changes Allowed" option.

Values

none	The "None" option is checked
commenting_filling_in_formfields_and_signing	The "Commenting, filling in form fields, and signing" option is checked
pagelayout_filling_in_formfields_and_signing	The "Page layout, filling in form fields, and signing" option is checked
any_except_extracting_of_pages	The "Any except extracting of pages" option is checked(The default value)

See Also

PDF Save Option Dialog Box

pdf.contentscopy

Sets the "Copy Allowed" option.

Values

true	Check(The default value)
false	Do not check

See Also

PDF Save Option Dialog Box

pdf.converted_jpg_quality

Sets the quality of the image that is converted into JPG.

Reference

The default value is 100, and set to a value between 1 and 100.

The viewer converts the images into the JPG format and saves the report as a PDF file. The converted images are not in JPG or GIF format. The converted image size is larger than the original image size, and also increases the PDF file size. If you want to reduce the size of PDF files, set this parameter value to a value less than 100. In this case, it causes a loss in image quality.

pdf.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

pdf.creator

Sets the "Application" option.

See Also

PDF Save Option Dialog Box

pdf.custom_metadata_json

Sets a custom property in a PDF file.

Reference

Sets the parameter value as a JSON format string in the following format:

```
"{"PropertyName1":"PropertyValue1","PropertyName2":"PropertyValue2",...}"
```

If you name a property with a reserved word in a PDF file, the property will not be set.

The reserved words in PDF files are as follows:

- Author
- CreationDate
- Creator
- Keywords
- ModDate
- Producer
- Subject
- Title

- Trapped

pdf.destination_pageview

Sets the display resolution option when clicking the table of contents of the bookmark.

Values

fit_height	Fit to height
fit_width	Fit to width
normal	Maintain the resolution selected(The default value)

pdf.document_security_encryption_level

Sets the encryption level for Open Password or Permissions Password.

Values

aes_128	Encrypts passwords in the aes_128 mode
rc4_40	Encrypts passwords in the re4_40 mode(The default value)

pdf.donot_export_at_invalid_font

Sets whether or not to save the report when a font embedding error occurs.

Values

true	Do not save
------	-------------

false	Save(The default value)
-------	-------------------------

Reference

To use this parameter, please set the value of [pdf.fontembedding](#) parameter true.

Also, in the HTML5JS viewer, please set the "save_exportfrom" value of the execution option to {"pdf":"server"} or {"pdf":"scheduler"}.

If the value of this parameter is set to true, the report will be saved only if there are no font embedding errors on all pages to be saved.

pdf.filename

Sets the file name.

See Also

Save Dialog Box

pdf.fontembedding

Sets the "Embed Font" option.

Values

true	Check
false	Do not check(The default value)

See Also

PDF Save Option Dialog Box

pdf.fontembedding_prefix

Sets the prefix to add in front of the font when saving a fontembedding report.

Reference

To use this parameter, please set the value of the [pdf.fontembedding](#) parameter true.

pdf.fontembedding_subset

Sets whether to save a subset of fonts when saving a report with fonts embedded.

Values

true	Save(The default value)
false	Do not save

Reference

To use this parameter, please set the value of the [pdf.fontembedding](#) parameter true.

pdf.keyword

Sets the "Keywords" option.

See Also

PDF Save Option Dialog Box

pdf.masterpassword

Sets the "Permissions Password" option.

See Also

PDF Save Option Dialog Box

pdf.navigationpanes

Sets the display option of the PDF Reader navigation window.

Values

none	Do not display the navigation window(The default value)
bookmarks	Display bookmarks on the navigation window
page_thumbnails	Display page thumbnails on the navigation window

Reference

To use bookmarks, please set Toc-Label in the report to export as PDF.

pdf.opentopage

Sets the page number to be displayed when opening the PDF file.

Reference

To use this feature, please use a PDF viewer that supports the ability to navigate to a specific page when the PDF file is opened.

pdf.pagedisplay

Sets the page display option of the PDF Reader.

Values

enable_scrolling	Enable scrolling and display pages continuously
single_page_view	Display page by page(The default value)
two_page_scrolling	Display connecting pages with scrolling
two_page_view	Display two connecting pages

pdf.path

Sets the file path.

See Also

Save Dialog Box

pdf.printable

Sets the "Printing Allowed" option.

Values

true	Check(The default value)
false	Do not check

See Also

PDF Save Option Dialog Box

pdf.save_tree_as_bookmark

Sets whether to save bookmarks of PDF files in the same way as the tree window structure.

Values

true	Save in the same way as the tree window structure
false	Save the Toc link and URL link in a single structure(The default value)

pdf.savecharttoimage

Sets the "Save chart to image" option.

Values

true	Check
false	Do not check(The default value)

See Also

PDF Save Option Dialog Box

pdf.savecomment

Sets whether to savewith comments included.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Saves reports by including only the comments added in the main screen
subscreenonly	Saves reports by including only the comments added in the sub screen

pdf.savelinktoc

Sets the "Toc link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

pdf.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

pdf.savememo

Sets the save option for memos and callout shapes when saving a PDF file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

pdf.subject

Sets the "Subject" option.

See Also

PDF Save Option Dialog Box

pdf.title

Sets the "Title" option.

See Also

PDF Save Option Dialog Box

pdf.userpassword

Sets the "Open Password" option.

See Also

PDF Save Option Dialog Box

png

Sets the options to save the PNG file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
png.filename	O	O	O	O	O
png.path	O	X	X	X	O
png.savecomment			X		
png.savememo	O	O	X	O	O
png.zoom	O	O	O	O	O

 Only e-Form

png.filename

Sets the file name.

See Also

[export.applyformat](#), [export.format](#)

Save Dialog Box

png.path

Sets the file path.

See Also

Save Dialog Box

png.savecomment

Sets whether to save with comments included.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Save reports by including only the comments added in the main screen
subscreenonly	Save reports by including only the comments added in the sub screen

png.savememo

Sets the save option for memos and callout shapes when saving a PNG file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

png.zoom

Sets the "Zoom In/Out" of the "Save Ratio" option.

Reference

The default value is 100.

See Also

PNG Save Option Dialog Box

ppt

Sets the options to save the PPT file.

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_pptwriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackPPT.framework) in the Xcode project.
2. Call the __OZExportPack_load_ppt() function before using this function.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
ppt.convertedimagedpi	O	O	O	O	O
ppt.filename	O	O	O	O	O
ppt.path	O	X	X	X	O
ppt.saveastable	O	O	O	O	O
ppt.savememo	O	O	X	O	O

ppt.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 96.

ppt.filename

Sets the file name.

See Also

Save Dialog Box

ppt.path

Sets the file path.

See Also

Save Dialog Box

ppt.saveastable

Sets the "Save As Table" option.

Values

true	Check(The default value)
false	Do not check

See Also

PPT Save Option Dialog Box

ppt.savememo

Sets the save option for memos and callout shapes when saving a PPT file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

print

Sets the print options.

To use the print function in the Android Viewer, the ozprint_android.jar file must be loaded into the project.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
print.adjust	O	O	X	X	X
print.alldocument	O	O	O	X	X
print.chart_areafigures_at_grayscale	O	X	X	X	X
print.close	O	X	X	X	X
print.collate	O	O	X	X	X
print.copies	O	O	X	X	X
print.dividepage	O	X	X	X	X
print.donot_print_at_invalid_image	O	O	X	O	O
print.donot_print_at_invalid_script	O	O	X	O	O
print.duplex	O	O	X	X	X
print.duplexprintbyreport_at_concatpage	O	X	X	O	O
print.exclude_printerdrivernames	O	X	X	X	X
print.externalmodule	O	X	X	X	X
print.externalmoduleex	O	X	X	X	X
print.gray	O	X	X	X	O

print.jobname	O	X	X	X	X
print.lockfileprint	O	X	X	X	X
print.lockopt	O	O	X	O	O
print.mode	O	X	X	O	O
print.noprintermessage	O	X	X	X	X
print.once	O	O	X	O	O
print.orientation	O	X	X	X	O
print.pageorder	O	X	X	O	O
print.pageorient	O	X	X	O	O
print.pagerange	O	O	O	X	O
print.pages	O	O	O	X	O
print.pagesinone	O	X	X	O	O
print.per_page_in_largebundle	O	X	X	X	X
print.printbypage	O	X	X	X	X
print.printcomment	O	O	X	O	O
print.printerdrivername	O	X	X	X	X
print.printername	O	X	X	X	X
print.printmemo	O	O	X	O	O
print.properties	O	X	X	X	X
print.reports	O	O	O	X	X
print.scaling	O	X	X	X	X
print.shownoprinter	O	X	X	X	X
print.showskipdialog	O	O	O	X	X

print.size	O	X	X	X	X
print.skip	O	O	X	O	O
print.spoolpages	O	X	X	X	X
print.style	O	X	X	O	O
print.trayname	O	X	X	X	X
print.usedefaultpaper	O	X	X	X	X
print.usedialogopt	O	X	X	X	X
print.useprintercopies	O	X	X	X	X
print.useprinterpaper	O	X	X	X	X
print.useprintstop	O	X	X	X	X
print.useprogressbar	O	X	X	X	X
print.usesselectedreport	O	O	O	X	X

 Only e-Form

print.adjust

Sets the "Adjust printing scale" option.

Values

true	Check(The default value)
false	Do not check

See Also

Print Dialog Box

print.alldocument

Sets the "Print all document" option.

Values

true	Check
false	Do not check(The default value)

See Also

Print Dialog Box

print.chart_areafigures_at_grayscale

Sets whether to print a chart by applying patterns and borders, and ignore the color of the chart when the Report is printed in black and white.

Values

true	Print by applying patterns and borders
false	Print as shown on the screen(The default value)

print.close

Sets whether to close the OZ Viewer after printing.

Values

true	Close the OZ Viewer
false	Do not Close the OZ Viewer(The default value)

Reference

Applies only if OZ Viewer runs as StandAlone type.

print.collate

Sets the "Collate" option.

Values

true	Check(The default value)
false	Do not check

See Also

Print Dialog Box

print.copies

Sets the "Copies" option.

Reference

The default value is 1.

See Also

Print Dialog Box

print.dividepage

Sets the "Print divide" option.

Values

true	Check
false	Do not check(The default value)

See Also

Print Option Dialog Box

print.donot_print_at_invalid_image

Sets whether or not to print a report when an image loading error occurs.

Values

true	Do not print
false	Print(The default value)

Reference

Even if this parameter value is set to "true", reports with an image loading error cannot be printed. Furthermore, if "[global.concatpage=false](#)" is set and "Print all documents" is checked in a multi-reports environment, all reports are printed except the ones with errors.

print.donot_print_at_invalid_script

Sets whether or not to print a report when a script error occurs.

Values

true	Do not print
false	Print(The default value)

Reference

Even if this parameter value is set to "true", reports with a script error cannot be printed.

Furthermore, if "[global.concatpage=false](#)" is set and "Print all documents" is checked in a multi-report environment, all reports are printed except the ones with errors.

print.duplex

Sets the "Printing on Both sides" option.

Values

""	Follows the option value set in the printer(The default value)
none	None
duplexvertical	Long edge binding

duplexhorizontal	Short edge binding
------------------	--------------------

Reference

In the HTML5JS viewer, only "none", "duplexvertical", and "duplexhorizontal" are supported as parameter values. However, the feature may not work depending on the PDF reader set in the web browser.

See Also

Print Option Dialog Box

print.duplexprintbyreport_at_concatpage

Sets whether to print on a new sheet of paper when changed to another report.

Values

true	Print on a new sheet of paper
false	Print on the same sheet of paper(The default value)

Reference

This parameter is used to change the sheet of paper when a report is changed to another one in the duplex or handouts printing environment.

This parameter works only if the [global.concatpage](#) parameter value is true and the [print.collate](#) parameter value is true.

print.exclude_printerdrivernames

Sets the printer driver name not to be displayed in the printer list of the print dialog.

Reference

The parameter value is case-sensitive.

The parameter values can be set to multiple values using (,).

print.externalmodule

Sets the external dll file path which will be used to link with an external module when printing.

print.externalmoduleex

Sets the external dll file path which will be used to link with an external module when printing.

print.gray

Sets the "Print to gray" option.

Values

true	Check
false	Do not check(The default value)

See Also

Print Option Dialog Box

print.jobname

Sets the document name of the print job windows.

print.lockfileprint

Sets the "Print to file" option.

Values

none	Set to display and enable(The default value)
invisible	Set not to display
disable	Set to display and disable

See Also

Print Dialog Box

print.lockopt

Sets whether to lock print options.

Values

true	Lock
false	Unlock(The default value)

See Also

Print Dialog Box

print.mode

Sets the print mode.

Values

true	Run the Print Dialog Box. If you print a report in the preview screen, the progress bar is displayed. Otherwise, the progress bar is not displayed.
false	Print without running the Print Dialog Box. If you print a report in the preview screen, the progress bar is displayed. Otherwise, the progress bar is not displayed.
showprintdlg	Run the Print Dialog Box.(The default value) If you print a report in the preview screen, the progress bar is displayed. Otherwise, the progress bar is not displayed.
showprogress	Run the Print Dialog Box. Always display the progress bar.
silent	Print without running the Print Dialog Box. If you print a report in the preview screen, the progress bar is displayed. Otherwise, the progress bar is not displayed.

print.noprintermessage

Sets the error message when there is no printer available.

Reference

Applies only if the "[print.shownoprinter](#)" parameter value is "true".

See Also

Print Dialog Box

print.once

Sets to limit the number of printing to just once.

Values

true	Can be printed only once
false	Can be printed many times(The default value)

Reference

The print icon and menu are disabled after printed once.

print.orientation

Sets the "Paper orientation" option.

Values

portrait	Portrait
landscape	Landscape

See Also

Print Dialog Box

print.pageorder

Sets the "Order" option of the print option dialog box.

Values

horizontal	Horizontal(The default value)
vertical	Vertical

Reference

Applies only if the "[print.style](#)" parameter value is "gather".

See Also

Print Option Dialog Box

print.pageorient

Sets the "Orientation" option of the print option dialog box.

Values

horizontal	Landscape(The default value)
vertical	Portrait

Reference

Applies only if the "[print.style](#)" parameter value is "gather".

In the Android Viewer, when you change the page orientation, the paper orientation is not adjusted automatically. Therefore, please check the Handouts option after changing the paper orientation in the main toolbar.

See Also

Print Option Dialog Box

print.pagerange

Sets the "Print range" option.

Values

all	All(The default value)
current	Current page
range	Pages
selected	Selection
selectedreport	Reports

Reference

If you click print icon after set this parameter to selectedreport, dialog box that selects report is displayed first. And when you click [OK] button with same value of this parameter, print dialog box will be displayed. Dialog box that selects reports displays the report which is OZR/OZD added.

Reports option only applies to EXE/HTML5 Viewer and you must set value of [print.useselectedreport](#) parameter true to use this function.

See Also

Print Dialog Box

print.pages

Sets the range of pages to print in the "StartPage-EndPage,PageNumber,StartPage-EndPage" format.

Reference

This parameter is available only if the "[print.pagerange](#)" parameter value is "range".

See Also

Print Dialog Box

print.pagesinone

Sets the "Pages per paper" option of the print option dialog box.

Reference

Applies only if the "[print.style](#)" parameter value is "gather".

See Also

Print Option Dialog Box

print.per_page_in_largebundle

Sets the "Printing by page" option of the print option dialog box.

Values

true	Check
false	Do not check(The default value)

See Also

Print Option Dialog Box

print.printbypage

Sets whether to send a report to the printer spool in row by row as displayed in the page structure window when printing a report.

Values

true	Send row by row
false	Send all the reports at once(The default value)

Reference

This parameter is available only if the "[viewer.mode](#)" parameter value is "print".

If the print.printbypage parameter value is true, the [print.collate](#) parameter works as false.

If the system label associated with the page(Page_Number, Total_Page, Page_Of_Total) is added to the report this parameter does not work.

print.printcomment

Sets whether to include comments when printing reports.

Values

all	Print comments(The default value)
none	Do not print comments
mainscreenonly	Prints reports by including only the comments added in the main screen
subscreenonly	Prints reports by including only the comments added in the sub screen

print.printerdrivername

Sets the driver name of the printer that will print reports.

Reference

The parameter value is case-sensitive.

Finds the printer whose printer driver name matches the given string. If no matching printer is found, the printer set by the [print.printername](#) parameter is set.

print.printername

Sets the printer name.

Reference

The parameter value is case-sensitive.

See Also

Print Dialog Box

print.printmemo

Sets the print option for memos and callout shapes when printing a report.

Values

all	Follows the value of memo.printable , arrow.printable , checkmark.printable , circle.printable , line.printable , and rectangle.printable (The default value)
nothing	Does not print memos and callout shapes

print.properties

Sets whether to display the [Properties] button.

Values

true	Display
false	Do not display(The default value)

Reference

When the [Properties] button is clicked, the printer properties dialog box provided by the operating system is executed.

In the printer properties dialog box provided by the operating system the Page size, Orientation, Two-sided(Duplex) printing, Black-and-white printing, and Paper source are ignored.

print.reports

Sets the report number to print in the "StartReport-EndReport,ReportNumber, StartReport-EndReport" format when you use the Reports option.

Reference

The parameter applies only if the "[print.usesselectedreport](#)" parameter value is "true" and the "[print.pagerange](#)" parameter value is "selectedreport".

print.scaling

Sets the "Zoom In/Out" option of the print option dialog box.

Reference

The default value is 100.

See Also

Print Option Dialog Box

print.shownoprinter

Sets whether to display an error message when there is no printer available.

Values

true	Display an error message
------	--------------------------

false	Do not display an error message(The default value)
-------	--

print.showskipdialog

Sets whether to display the dialog box when selecting the report to print.

Values

true	Display
false	Do not display(The default value)

Reference

To execute the dialog box for selecting the report to print, set the parameter value to "true".

However, the following settings also need to be set and are more important.

- Set the settings so that multiple reports are generated in the viewer screen.
- Set the [print.mode](#) parameter to a value other than "silent" or "false".

print.size

Sets the "Target paper" option.

See Also

Print Dialog Box

print.skip

Sets not to print this report.

Values

true	Do not print
false	Print(The default value)

Reference

Even if the value of this parameter is set to true, the print icon on the toolbar is not disabled, and a print unavailable notification window is displayed when the user executes printing.

Also, a print event occurs for reports that are excluded from printing, and the print result is returned as failed.

print.spoolpages

Sets the "Pages per spool" option of the print option dialog box.

Reference

The default value is 100.

See Also

Print Option Dialog Box

print.style

Sets the "Handouts" option of the print option dialog box.

Values

normal	The default print(The default value)
gather	Handout

See Also

Print Option Dialog Box

print.trayname

Sets the tray name to be printed.

See Also

Print Option Dialog Box

print.usedefaultpaper

Sets whether to use the printer default paper.

Values

true	Use the default paper of the printer
false	Use the paper of the OZR file(The default value)

print.usedialogopt

Sets whether to apply the print options set in the current report only to the current report.

Values

true	Apply to another report
false	Do not apply to another report(The default value)

Reference

This parameter only applies to the print and print dialog options set in the current report and does not influence other reports. For example when two reports are bound, if you save a report after setting print copies to "2" and check the "All" option, then the second report also sets print copies to "2". If you execute the print dialog box after printing is completed, the print copies option is displayed as "1".

Applies only if the "[global.concatpage](#)" parameter value is "false" and the "[print.alldocument](#)" parameter value is "true".

print.useprintercopies

Sets whether to use the number of copies feature when printing reports.

Values

true	Use
false	Do not use(The default value)

Reference

When printing a report, OZ viewer generates pages as many times as the number of copies specified to be printed. Due to this rule, when printing multiple copies, the same page is

generated repeatedly. This results in the issue of the print size getting larger. In this case, if you set the parameter value to "true", OZ viewer generates only one copy of the pages to be printed and then sends the generated pages and the copies to the printer driver. This resolves the issue of the print size getting larger.

To use this feature, the printer driver for printing reports must support the number of copies feature and you must set the option to `print.collate=true`. However, the feature cannot be used when printing reports using external modules.

print.useprinterpaper

Sets whether to print to the printer's default paper.

Values

true	The printer's default paper
false	According to the paper specified in the report(The default value)

Reference

This parameter has lower priority than the "`print.size`" parameter.

print.useprintstop

Sets whether to use the print [stop] button.

Values

true	Use
------	-----

false	Do not use(The default value)
-------	-------------------------------

Reference

If the "[viewer.mode](#)" or "[viewer.largebundle](#)" or "[print.printbypage](#)" parameter value is "true", this parameter value is applied as "false".

print.useprogressbar

Sets whether to display the progress bar.

Values

default	According to the value of the print.mode parameter(The default value)
true	Display the progress bar always
false	Do not display the progress bar always

print.useselectedreport

Sets whether to display the report range option in print range.

Values

true	Display
false	Do not display(The default value)

Reference

If you set this parameter to true, the Reports option and the [Select] button are displayed.

rectangle

Sets the properties of the callouts-rectangle.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
rectangle.bordercolor	○	○	X	X	X
rectangle.borderthickness	○	○	X	X	X
rectangle.changeable	○	○	X	X	X
rectangle.exportoption	○	○	X	X	X
rectangle.fillcolor	○	○	X	X	X
rectangle.movable	○	○	X	X	X
rectangle.multiscreen_visible_type	○	X	X	X	X
rectangle.printable	○	○	X	X	X
rectangle.roundingvalue	○	○	X	X	X
rectangle.tooltiptext	○	○	X	X	X
rectangle.transparent	○	○	X	X	X

○ Only e-Form

rectangle.bordercolor

Sets the border color.

Reference

The default value is "000000".

rectangle.borderthickness

Sets the border thickness.

Reference

The default value is "1".

rectangle.changeable

Sets whether the properties are changeable.

Values

true	Changeable(The default value)
false	Unchangeable

rectangle.exporthoption

Sets whether to include rectangles when saving reports.

Values

all	Always save regardless of the file format
-----	---

byprintable	Follows the settings set for printing rectangles in a report(The default value)
doc	Includes rectangles when saving in the DOC format
docx	Includes rectangles when saving in the DOCX format
gif	Includes rectangles when saving in the GIF format
gul	Includes rectangles when saving in the GUL format
hml	Includes rectangles when saving in the HML and HWP formats
html	Includes rectangles when saving in the HTML format
hwp	Includes rectangles when saving in the HWP format
jpg	Includes rectangles when saving in the JPG format
mht	Includes rectangles when saving in the MHT format
nothing	Do not save rectangles in all file formats
odt	Includes rectangles when saving in the ODT format
pdf	Includes rectangles when saving in the PDF format
png	Includes rectangles when saving in the PNG format
ppt	Includes rectangles when saving in the PPT format
svg	Includes rectangles when saving in the SVG format
tif	Includes rectangles when saving in the TIF format
xls	Includes rectangles when saving in the XLS format
xlsx	Includes rectangles when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

rectangle.fillcolor

Sets the background color.

Reference

The default value is "FFFFFF".

rectangle.movable

Sets whether movable or not.

Values

true	Movable(The default value)
false	Unmovable

rectangle.multiscreen_visible_type

Sets the rectangle visible type in a multi-screen environment.

Values

always	The rectangle is displayed in both screens(The default value)
mainscreenonly	The rectangle is displayed only in the main screen
subscreenonly	The rectangle is displayed only in the sub-screen

rectangle.printable

Sets whether to print rectangles in a report.

Values

true	Print(The default value)
false	Do not print

Reference

If the parameter value is set to "false", the "Do not print" option is checked in the pop-up menu of the rectangle.

rectangle.roundingvalue

Sets the edge rounding ratio.

Reference

The default value is "0".

rectangle.tooltiptext

Sets the tooltip text.

rectangle.transparent

Sets whether the background is transparent or not.

Values

true	Is transparent
false	Is opaque(The default value)

repository_agent

Sets the repository server options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
repository_agent.clientcachetype	O	O	O	O	O
repository_agent.local.root_path	O	X	X	O	O
repository_agent.ozserver.pass	O	O	O	O	O
repository_agent.ozserver.port	O	X	X	O	O
repository_agent.ozserver.server	O	X	X	O	O
repository_agent.ozserver.servlet	O	O	O	O	O
repository_agent.ozserver.user	O	O	O	O	O
repository_agent.pass	O	O	O	O	O
repository_agent.server_baseline_datetime	O	O	O	O	O
repository_agent.try_license_check	O	X	X	X	X
repository_agent.try_usl_check	O	O	X	O	O
repository_agent.type	O	O	O	O	O
repository_agent.user	O	O	O	O	O
repository_agent.usl_parm_args#	O	O	X	O	O
repository_agent.usl_parm_pcount	O	O	X	O	O
repository_agent.webserver.root_path	O	X	X	O	O

repository_agent.clientcachetype

Sets the way to receive data modules and file in the viewer.

Values

file	Cache to file
memory	Cache to memory
none	Do not cache
crypt	Cache after encrypted

Reference

You can set multiple values by using the comma (,) as the delimiter.

With the exception of the none option, the file, memory, and crypt options can be set repeatedly by using a comma (,).

In the HTML5/Android/iOS Viewer, if you set this parameter value to "file, crypt", this parameter runs with memory.

repository_agent.local.root_path

Sets the root path of the local system which will bring the report.

repository_agent.ozserver.port

Sets the network port number of OZ Server when running Daemon type OZ Server.

repository_agent.ozserver.server

Sets the IP address or domain name of the OZ Server system when running Daemon type OZ Server.

repository_agent.ozserver.servlet

Sets the URL of the OZ Server system when running Servlet type OZ Server.

repository_agent.pass

Sets the user password.

repository_agent.server_baseline_datetime

Sets the check-in baseline date and time of the items that you want to bind.

Reference

This parameter is used for the purpose of binding the items checked in at a specific time. If there are no items checked in at a specific time, it is applied to items checked in before the specific time.

Applies only if the type of repository server is able to store history and the cache is off.

The parameter value must be set in one of the four formats below. If you have not set up in the following format, this parameter does not work.

- yyyy-MM-dd

- yyyy-MM-dd HH
- yyyy-MM-dd HH:mm
- yyyy-MM-dd HH:mm:ss

Applies to 00 if you omit HH, mm and ss.

If there are no files that meet the condition, a the binding error occurs.

repository_agent.try_license_check

Sets whether to check user information who will connect to OZ Server.

Values

true	Check
false	Do not check(The default value)

Reference

If set this parameter to "true", User IP and Mac Address information are transferred to OZ Server, and OZ Server checks if the user has the license and determines whether to transfer items.

repository_agent.try_usl_check

Sets whether to check the USL.

Values

true	Check USL
------	-----------

false	Do not check USL(The default value)
-------	-------------------------------------

Reference

If the OZ Server uses the USL, the value of this parameter must be set to "true".

Android/iOS Viewer requires the following settings.

Android

1. Add the library file to your Eclipse project.(Add one of the files libOZUSLClientDES128.so, libOZUSLClientSession.so, or libOZUSLClientAES256.so as needed.)

iOS

1. Add the framework to your Xcode project.(Add one of the files OZUSLDES128.framework, OZUSLSession.framework, or OZUSLAES256.framework as needed.)
2. Call the __OZPack_load_OZUSLClient() function before using this function.

repository_agent.type

Sets the method for getting the OZR.

Values

from_webserver	Get from the web server
from_local	Get from the local system
from_ozserver	Get from the OZ Server
from_ozp	Get the OZD file

repository_agent.user

Sets the user ID.

repository_agent.usl_parm_args#

Used to transfer USL parameter values.

Reference

is a numerical value and indicates #th parameter, and it ranges from 1 to a value configured in [repository_agent.usl_param_pcount](#).

repository_agent.usl_parm_pcount

Sets the number of USL parameters.

repository_agent.webserver.root_path

Sets the root path of the web server that will bring the report.

sidebar

Set the viewer sidebar options.

The sidebar contains the tree window, thumbnail window, and page sorter window.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
sidebar.stylejson	O	O	O	O	O
sidebar.useraction_json	O	O	X	X	X

sidebar.stylejson

Sets the style of the sidebar.

Reference

HTML5 Viewer is only supported in PC.

Even if parameter values are set for each report in a multi-report environment, the parameter values in the first report are applied to all reports.

Set the parameter value as a string in the following JSON format:

```
{"titlebar":{"Key1":"Value1","Key2":"Value2",...},"tree":{"viewarea":  
{"Key1":"Value1"}}, "thumbnail":{"section":{"Key1":"Value1","Key2":"Value2",...},"pagearea":  
{"Key1":"Value1"},"pagenumber":{"Key1":"Value1","Key2":"Value2",...}}}.
```

The configurable keys in the titlebar are:

Key		Description
backgroundcolor		Background color of the title area of the sidebar(The default value is F5F6F9)
fontcolor		Font color of the title area of the sidebar(The default value is 000000)
fontname		Font name of the title area of the sidebar(The default value is default font by the execution environment)
showclosebutton		Sets whether to display the [X] button in the sidebar(The default value is true)
treetitle		Title of the tree window(The default value is Tree)
thumbnailtitle		Title of the thumbnail window(The default value is Thumbnail)

The configurable keys in the tree are:

Key		Description
viewarea	title	The title of the top node in the tree area(The default value is OZ)

The configurable keys in the thumbnail are:

Key		Description
section	backgroundcolor	Background color of the section bar area(The default value is FFFFFFFF)

Key		Description
	bordercolor	Border color of the section bar area(The default value is D3D3D3)
	fontcolor	Font color of the section bar area(The default value is 000000)
	fontname	Font name of the section bar area(The default value is default font by the execution environment)
	fontsize	Font size of the section bar area(The default value is optimal size by the execution environment)
	fontstyle	Font style of the section bar area(The default value is plain). Set the value to "bold", "bolditalic", "italic" or "plain"
	showclosebutton	Sets whether to display the [Close] icon displayed on the section bar area(The default value is false)
	showtitle	Sets whether to display sections divided by report in the section bar area(The default value is false)
pagearea	bordercolor	Border color of current page in the page area(The default value is 8FC7FF)
pagenumber	align	Text alignment of page numbers in the page area(The default value is center). Set the value to "center" or "left"

Key		Description
	fontcolor	Font color of page numbers in the page area(The default value is 000000)
	fontname	Font name of page numbers in the page area(The default value is default font by the execution environment)
	text	Text to display the page number of the page area(The default value is empty). Set the value to "" or reserved words. Empty values only display page numbers, and reserved words can be set by combining <displayname> and <pagenumber>

sidebar.useraction_json

Sets the user execution option for the thumbnail in the sidebar.

Reference

HTML5 Viewer is only supported in PC.

Set the parameter value as a string in the following JSON format:

```
{"thumbnail":{"action":{"Key1":Value1,"Key2":Value2}}}
```

The configurable keys in the thumbnail are:

Key	Description
allowclose	Sets whether to close the report when clicking the [Close the report] pop-up menu(The default value is true)
usepopupmenu	Sets whether to display a pop-up menu when right-clicking in the page area(The default value is true)

svg

Sets the options to save the SVG file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
svg.convertedimagedpi	O	O	O	O	O
svg.filename	O	O	O	O	O
svg.horizontalpagegap	O	O	O	O	O
svg.path	O	X	X	X	O
svg.savealternativetext	O	X	O	X	X
svg.savecomment			X		
svg.savelinkurl	O	O	O	O	O
svg.savememo	O	O	X	O	O
svg.savemultipage	O	O	O	O	O
svg.verticalpagegap	O	O	O	O	O

 Only e-Form

svg.convertedimagedpi

Sets the dpi of components that are stored as Images.

Reference

The default value is 72.

This parameter applies to only the user component label.

svg.filename

Sets the file name.

See Also

Save Dialog Box

svg.horizontalpagegap

Sets the horizontal gap between the SVG viewer and the page when you save the report into one file.

Reference

The default value is 10.

The minus value is set to a default value, and the float value is set to a numeric value to the left of the decimal point.

If you save reports with different width into one file, it applies a gap based on the page with the largest width and the other pages are aligned to the center.

Applies only if the "[svg.savemultipage](#)" parameter value is "true".

svg.path

Sets the file path.

See Also

Save Dialog Box

svg.savealternativetext

Sets whether to save including the alternative text of the component.

Values

true	Include alternative text
false	Do not include alternative text(The default value)

svg.savecomment

Sets whether to save with comments included.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Save reports by including only the comments added in the main screen
subscreenonly	Save reports by including only the comments added in the sub screen

svg.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

svg.savememo

Sets the save option for memos and callout shapes when saving a SVG file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

svg.savemultipage

Sets the "MultiPage save as one file" option.

Values

true	Check
false	Do not check(The default value)

See Also

SVG Save Option Dialog Box

svg.verticalpagegap

Sets the vertical gap between pages when you save the report into one file.

Reference

The default value is 10.

The minus value is set to a default value, and the float value is set to a numeric value to the left of the decimal point.

Applies only if the "[svg.savemultipage](#)" parameter value is "true".

text

Sets the options to save the TXT file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
text.addseparator	O	O	O	O	O
text.charset	O	O	O	O	O
text.exceptfirstpage	O	O	O	O	O
text.filename	O	O	O	O	O
text.pageline	O	O	O	O	O
text.pagestyle	O	O	O	O	O
text.pagetitle	O	O	O	O	O
text.path	O	X	X	X	O
text.removeorange	O	O	O	O	O
text.removeseparator	O	O	O	O	O
text.saveastable	O	O	O	O	O
text.savememo	O	O	X	O	O
text.separator	O	O	O	O	O
text.splitmergedcell_at_saveastable	O	O	O	O	O

text.addseparator

Sets the "Insert 1000 separator" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

text.charset

Sets the "Encoding" option.

Values

ansi	ANSI(The default value)
unicode	Unicode

See Also

CSV/TXT Save Option Dialog Box

text.exceptfirstpage

Sets the "Except first page" option.

Values

true	Check
------	-------

false	Do not check(The default value)
-------	---------------------------------

See Also

CSV/TXT Save Option Dialog Box

text.filename

Sets the file name.

See Also

Save Dialog Box

text.pageline

Sets the "Line" option.

See Also

CSV/TXT Save Option Dialog Box

text.pagestyle

Sets the "Break type" option.

Values

None	None(The default value)
n <PAGE>	n <PAGE>

n <PAGE> ---	n <PAGE> ---
--- n <PAGE>	--- n <PAGE>
<PAGE> n	<PAGE> n
<PAGE> n ---	<PAGE> n ---
--- <PAGE> n	--- <PAGE> n
<PAGE>	<PAGE>

See Also

CSV/TXT Save Option Dialog Box

text.pagetitle

Sets the "<PAGE>" option.

Reference

The default value is Page.

See Also

[text.pagestyle](#)

CSV/TXT Save Option Dialog Box

text.path

Sets the file path.

See Also

Save Dialog Box

text.removeorange

Sets the start line and end line of the "Remove lines" option. Set in the "StartLine, EndLine" format.

See Also

CSV/TXT Save Option Dialog Box

text.removeseparator

Sets the "Delete 1000 separator" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

text.saveastable

Sets the "Save As Table" option.

Values

true	Check
false	Do not check(The default value)

See Also

CSV/TXT Save Option Dialog Box

text.savememo

Sets the save option for memos and callout shapes when saving a TXT file.

Values

all	Follows the value of memo.exportoption (The default value)
nothing	Does not save memos

text.separator

Sets the "Delimiter" option.

Value

tab	tab(The default value)
space	space
/	/

~	~
comma	comma
empty	empty
Other	Other

See Also

CSV/TXT Save Option Dialog Box

text.splitmergedcell_at_saveastable

Sets whether or not to save by splitting the merged label.

Values

true	Save by splitting the merged label
false	Save as a merged state(The default value)

Reference

Applies only if the "[text.saveastable](#)" parameter value is "true".

tiff

Sets the options to save the TIF file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
tiff.dpi	O	O	O	O	O
tiff.encode	O	O	O	O	O
tiff.filename	O	O	O	O	O
tiff.height	O	O	O	O	O
tiff.jpg_quality	O	O	O	O	O
tiff.path	O	X	X	X	O
tiff.savecomment			X		
tiff.savememo	O	O	X	O	O
tiff.savemultipage	O	O	O	O	O
tiff.sizemode	O	O	O	O	O
tiff.width	O	O	O	O	O
tiff.zoom	O	O	O	O	O

 Only e-Form

tiff.dpi

Sets the "DPI" option.

Reference

The default value is 72, and the unit is in dpi.

See Also

TIF Save Option Dialog Box

tiff.encode

Sets the "Encoding" option.

Values

G3	G3(The default value)
G4	G4
JPG	JPG

See Also

TIF Save Option Dialog Box

tiff.filename

Sets the file name.

See Also

Save Dialog Box

tiff.jpg_quality

Sets the JPG quality when you save the report after you select the "Encoding" option to JPG.

Reference

The default value is 100. Set to a value between 0 and 100.

This parameter works when the [tiff.encode](#) parameter value is JPG.

tiff.height

Sets the "Height" option.

Reference

The default value is 0.

See Also

TIF Save Option Dialog Box

tiff.path

Sets the file path.

See Also

Save Dialog Box

tiff.savecomment

Sets whether to save with comments included.

Values

all	Include comments
none	Do not include comments(The default value)
mainscreenonly	Saves reports by including only the comments added in the main screen
subscreenonly	Saves reports by including only the comments added in the sub screen

tiff.savememo

Sets the save option for memos and callout shapes when saving a TIFF file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

tiff.savemultipage

Sets the "MultiPage save as one file" option.

Values

true	Check
false	Do not check(The default value)

See Also

TIF Save Option Dialog Box

tiff.sizemode

Sets the size mode.

Values

zoom	Check the "Ratio" option(The default value)
size	Check the "Size" option
dpi	Check the "Set size by DPI" option

See Also

TIF Save Option Dialog Box

tiff.width

Sets the "Width" option.

Reference

The default value is 0.

See Also

TIF Save Option Dialog Box

tiff.zoom

Sets the "Zoom In/Out" option.

Reference

Set to a value between 10 and 1000.

See Also

TIF Save Option Dialog Box

toolbar

Sets the toolbar options.

To set whether to display the toolbar, please use the [viewer.usetoolbar](#) parameter.

The behavior rule for "disable" among parameter values is as follows:

- If the toolbar function is set as "disable", it will not be executed even when executing as the Script or ScriptEx function.
- The "disable" parameter value can be used by combining with the true/false value and the comma(,) as a delimiter which determines whether to display the toolbar icon in the screen. Set as "true,disable" to display in the screen and disable, and set as "false,disable" to do not display in the screen and disable.
- If set only as "disable" but not as "true.disable" or "false.disable", then whether to display in the screen is determined according to the default value of displaying the toolbar icon. For example, in the case of save icon([toolbar.save](#)), its default value is "display", so if it is set as "disable", it will be displayed in the screen and the icon and function will be disabled. And in the case of the close all icon([toolbar.closeall](#)), its default value is "Do not display", so if it is set as "disable", it will not be displayed in the screen and the function will be disabled.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
toolbar.about	O	O	O	O	O
toolbar.addarrow	O	O	X	X	X
toolbar.addcheckmark	O	O	X	X	X
toolbar.addcircle	O	O	X	X	X

toolbar.addimage	X	X	X	○	○
toolbar.addline	○	○	X	X	X
toolbar.addmemo	○	○	X	○	○
toolbar.addrectangle	○	○	X	X	X
toolbar.autohide	X	X	X	○	○
toolbar.bgcolor	○	X	X	X	X
toolbar.cell	○	○	○	X	X
toolbar.close	○	○	X	○	○
toolbar.closeall	○	○	X	○	○
toolbar.csv	○	○	○	○	○
toolbar.currentpage	○	○	○	X	X
toolbar.doc	○	○	○	○	○
toolbar.docx	○	○	○	○	○
toolbar.edittool	○	○	X	X	X
toolbar.etc	○	○	○	○	○
toolbar.exit	○	X	X	X	X
toolbar.file	○	○	○	○	○
toolbar.find	○	○	X	○	○
toolbar.finds	○	○	X	○	○
toolbar.first	○	○	○	X	X
toolbar.gif	○	○	○	X	X
toolbar.gul	○	X	X	X	X
toolbar.han97	○	○	○	○	○

toolbar.handtool	O	O	X	X	X
toolbar.html	O	O	O	O	O
toolbar.html	O	O	O	O	O
toolbar.hwp	O	O	O	X	X
toolbar.iconheight	O	X	X	X	X
toolbar.iconposition	O	O	O	O	O
toolbar.iconwidth	O	X	X	X	X
toolbar.inputparameter	O	O	X	O	O
toolbar.inversepaper	O	O	X	O	O
toolbar.jpg	O	O	O	O	O
toolbar.last	O	O	O	X	X
toolbar.mail	O	X	X	X	X
toolbar.mht	O	O	O	O	O
toolbar.multiscreenguide		X	X	X	X
toolbar.nxl	O	O	O	O	O
toolbar.odt	O	O	O	X	X
toolbar.open	O	O	X	O	O
toolbar.option	O	O	X	O	O
toolbar.ozd	O	O	X	O	O
toolbar.page	O	O	O	X	X
toolbar.pagecontrol	O	O	O	X	X
toolbar.pagedisplaysize	O	O	O	X	X
toolbar.pagenavigator	X	X	X	O	O

toolbar.pagesetup	O	O	X	O	O
toolbar.parameter	O	O	X	O	O
toolbar.pdf	O	O	O	O	O
toolbar.png	O	O	O	O	O
toolbar.ppt	O	O	O	O	O
toolbar.print	O	O	O	O	O
toolbar.redo	O	X	X	O	O
toolbar.refresh	O	O	X	O	O
toolbar.save	O	O	O	O	O
toolbar.savedm	O	O	X	O	O
toolbar.showpagesorter	O	X	X	X	X
toolbar.showthumbnail	O	O	O	O	O
toolbar.showtree	O	O	O	O	O
toolbar.singlepage_fittoframe	O	O	O	O	O
toolbar.singlepagecontinuous_fittowidth	O	O	O	O	O
toolbar.svg	O	O	O	O	O
toolbar.textselecttool	O	O	X	X	X
toolbar.tiff	O	O	O	O	O
toolbar.totalpage	O	O	O	X	X
toolbar.txt	O	O	O	O	O
toolbar.undo	O	X	X	O	O
toolbar.useseparator	O	O	O	X	X
toolbar.viewmode	O	X	X	X	X

toolbar.xls	O	O	O	O	O
toolbar.xlsx	O	O	O	O	O
toolbar.zoom	O	O	O	X	X
toolbar.zoomin	O	O	O	X	X
toolbar.zoomlist	O	O	O	X	X
toolbar.zoomout	O	O	O	X	X
toolbar.zoomreset	O	O	O	X	X
toolbar.zoomtype	O	O	O	X	X

 Only e-Form

toolbar.about

Sets whether to display and disable the "About" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.addarrow

Sets whether to display and disable the "Add arrow" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.addcheckmark

Sets whether to display and disable the "Add checkmark" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.addcircle

Sets whether to display and disable the "Add circle" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.addimage

Sets whether to display the "Add image" icon.

Values

true	Display
false	Do not display(The default value)

Reference

The option icon group consists of camera and photo, and it is displayed on the edit toolbar.

toolbar.addline

Sets whether to display and disable the "Add line" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.addmemo

Sets whether to display and disable the "Add memo" icon.

Values

true	Display(The default value)
false	Do not display
disable	Disable

Reference

In Android/iOS Viewer, the "Add memo" icon is displayed on the editing toolbar, and only the parameter values are true or false. In other viewers, the "Add memo" icon is displayed on the main toolbar, and all parameter values are supported.

toolbar.addrectangle

Sets whether to display and disable the "Add rectangle" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.autohide

Sets whether to automatically hide the toolbar.

Values

true	Hide automatically(The default value)
false	If you tap the report, hides or shows the toolbar

toolbar.bgcolor

Sets the background color of toolbar.

toolbar.cell

Sets whether to display and disable the "Save CELL" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

The .hwp and .cell formats are not displayed by default. To apply the parameter value to true, use the [export.applyformat](#) or [export.displaynames](#) parameter to configure the .hwp and .cell file formats.

toolbar.close

Sets whether to display and disable the "Close the report" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.closeall

Sets whether to display and disable the "Close all the report" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.csv

Sets whether to display and disable the "Save CSV" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.currentpage

Sets whether to display and disable the page number text box.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.doc

Sets whether to display and disable the "Save DOC" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.docx

Sets whether to display and disable the "Save DOCX" icon.

Values

true	Display
------	---------

false	Do not display(The default value)
disable	Disable

toolbar.edittool

Sets whether to display and disable the "Edit tool" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.etc

Sets whether to display and disable the "Etc" icon.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.exit

Sets whether to display and disable the "Exit" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

toolbar.file

Sets whether to display and disable the file icon group and menu group.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.find

Sets whether to display and disable the "Search" icon.

Values

true	Display(The default value)
false	Do not display

disable	Disable
---------	---------

toolbar.finds

Sets whether to display and disable the finds icon group.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.first

Sets whether to display and disable the "Move to the first page" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

HTML5 Viewer is only supported in PC.

toolbar.gif

Sets whether to display and disable the "Save GIF" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.gul

Sets whether to display and disable the "Save GUL" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.handtool

Sets whether to display and disable the "Hand tool" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.html

Sets whether to display and disable the "Save HML" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.html

Sets whether to display and disable the "Save HTML" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.hwp

Sets whether to display and disable the "Save HWP" icon.

Values

true	Display
------	---------

false	Do not display(The default value)
disable	Disable

toolbar.iconheight

Sets the height of the icon.

Reference

The default value is 26.

toolbar.iconposition

Sets the position of the icon group.

Reference

The parameter values can be set to multiple values using "/".

The name of the icon group is file, option, pageselection, page, zoom, pagecontrol, finds, parameter, about, exit and etc.

toolbar.iconwidth

Sets the width of the icon.

Reference

The default value is 26.

toolbar.inputparameter

Sets whether to display and disable the "Input parameter" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.inversepaper

Sets whether to display and disable the "Inverse Paper" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

In the Android/iOS Viewer, the default value is "false". In other viewers, the default value is "true".

If the height of the band is greater than the height of the changed paper, you cannot change the page orientation. In this case, the "Inverse Paper" icon is disabled.

toolbar.jpg

Sets whether to display and disable the "Save JPG" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.last

Sets whether to display and disable the "Move to the last page" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

HTML5 Viewer is only supported in PCs.

toolbar.mail

Sets whether to display and disable the "Send Mail" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.mht

Sets whether to display and disable the "Save MHT" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.multiscreenguide

Sets whether to display [Guide mode] on the toolbar.

Values

true	Display(The default value)
false	Do not display
disable	Disable

Reference

To use this parameter, please set the [eform.usemultiscreen](#) parameter value to true.

toolbar.nxl

Sets whether to display and disable the "Save NXL" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

The .nxl file format is not displayed by default. To apply the parameter value to true, use either the [export.applyformat](#) or [export.displaynames](#) parameter to configure the .nxl file format.

toolbar.odt

Sets whether to display and disable the "Save ODT" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.open

Sets whether to display and disable the "Open" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.option

Sets whether to display and disable the option icon group.

Values

true	Display
false	Do not display
disable	Disable

Reference

In the Android/iOS Viewer, the default value is "false". In other viewers, the default value is "true".

The option icon group consists of add memo, add arrow, add circle, add line, add rectangle and save data icons. Add arrow, add circle, add line, and add rectangle icons are displayed only

when the `toolbar.addline`, `toolbar.addarrow`, `toolbar.addrectangle` and `toolbar.addcircle` parameter value is true.

toolbar.ozd

Sets whether to display and disable the "Save OZD" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.page

Sets whether to display and disable the page move icon group.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.pagecontrol

Sets whether to display and disable the page control icon group.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.pagedisplaysize

Sets the size of the area that displays the page.

toolbar.pagenavigator

Sets whether to display the page navigator toolbar.

Values

true	Display
false	Do not display(The default value)

toolbar.pagesetup

Sets whether to display and disable the "Page setup" icon.

Values

true	Display
------	---------

false	Do not display(The default value)
disable	Disable

toolbar.parameter

Sets whether to display and disable the parameter toolbar.

Values

true	Display(The default value)
false	Do not display
disable	Disable

Reference

If the report does not have the parameter toolbar even when the parameter is set to true, the parameter toolbar is not displayed.

toolbar.pdf

Sets whether to display and disable the "Save PDF" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.png

Sets whether to display and disable the "Save PNG" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.ppt

Sets whether to display and disable the "Save PPT" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.print

Sets whether to display and disable the "Print the report" icon.

Values

true	Display
------	---------

false	Do not display
disable	Disable

Reference

In the Android/iOS Viewer, the default value is "false". In other viewers, the default value is "true".

toolbar.redo

Sets whether to display the "Redo" icon on the edit toolbar.

Values

true	Display
false	Do not display(The default value)

Reference

Only the sub screen in the multiscreen environment is supported in the EXE Viewer.

toolbar.refresh

Sets whether to display and disable the "Report refresh" icon.

Values

true	Display
false	Do not display(The default value)

disable	Disable
---------	---------

toolbar.save

Sets whether to display and disable the "Save" icon and [Save] menu.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.savedm

Sets whether to display and disable the "Save Data" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.showpagesorter

Sets whether to display and disable the "Page sorter" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.showthumbnail

Sets whether to display and disable the "Show thumbnail" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.showtree

Sets whether to display and disable the "Show report tree" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.singlepage_fittoframe

Sets whether to display and disable the "Single Page Fit Screen" icon.

Values

true	Display
false	Do not display
disable	Disable

Reference

In the Android/iOS Viewer, the default value is "false". In other viewers, the default value is "true".

toolbar.singlepagecontinuous_fittowidth

Sets whether to display and disable the "Single Page Continuous Fit Width" icon.

Values

true	Display
false	Do not display
disable	Disable

Reference

In the Android/iOS Viewer, the default value is "false". In other viewers, the default value is "true".

toolbar.svg

Sets whether to display and disable the "Save SVG" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.textselecttool

Sets whether to display and disable the "Text Select tool" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

Reference

To enable this icon, you must set the [viewer.usertextselectmenu](#) parameter value to true.

toolbar.tiff

Sets whether to display and disable the "Save TIF" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.totalpage

Sets whether to display the total page.

Values

true	Display(The default value)
false	Do not display

toolbar.txt

Sets whether to display and disable the "Save TXT" icon.

Values

true	Display
false	Do not display(The default value)

disable	Disable
---------	---------

toolbar.undo

Sets whether to display the "Undo" icon on the edit toolbar.

Values

true	Display
false	Do not display(The default value)

Reference

Only the sub screen in the multiscreen environment is supported in the EXE Viewer.

toolbar.useseparator

Sets whether to display the toolbar groups separator line.

Values

true	Display(The default value)
false	Do not display

toolbar.viewmode

Sets whether to display and disable the View mode drop-down arrow icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.xls

Sets whether to display and disable the "Save XLS" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.xlsx

Sets whether to display and disable the "Save XLSX" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.zoom

Sets whether to display and disable the zoom icon group.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.zoomin

Sets whether to display and disable the "Zoom in" icon.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.zoomlist

Sets the value to be displayed in the zoom type combo box list.

toolbar.zoomout

Sets whether to display and disable the "Zoom out" icon.

Values

true	Display(The default value)
false	Do not display
disable	Disable

toolbar.zoomreset

Sets whether to display and disable the "Undo" icon.

Values

true	Display
false	Do not display(The default value)
disable	Disable

toolbar.zoomtype

Sets whether to display and disable the Zoom type combo box.

Values

true	Display(The default value)
false	Do not display
disable	Disable

usercontent

Sets the user component options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
usercontent.extraparam	O	O	O	O	O

usercontent.extraparam

Sets the parameters to send to the user component.

Reference

Set the parameter values in the following format:

"Key1=Value1,Key2=Value2,...".

viewer

Sets the viewer options.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
viewer.addmarginleft	O	O	X	O	O
viewer.addmargintop	O	O	X	O	O
viewer.allowmultiframe	O	X	X	X	X
viewer.antialiasing	O	X	X	X	X
viewer.autoadjustmargin	O	O	X	O	O
viewer.autohidethumbnail	X	X	X	O	O
viewer.autohidetree	X	X	X	O	O
viewer.bankbookprintcommand	O	O	X	O	O
viewer.bgcolor	O	O	O	O	O
viewer.bgimage	O	O	X	X	X
viewer.childcount	O	O	O	O	O
viewer.closeframe	O	X	X	X	X
viewer.closemessage_json	O	X	X	X	X
viewer.createreport_doc_index	O	O	O	O	O
viewer.displaydpi	O	O	O	O	O
viewer.editmodecolor	O	O	X	X	X
viewer.emptyframe	O	O	X	O	O

viewer.enableframeresize	O	X	X	X	X
viewer.errorcommand	O	O	O	O	O
viewer.exitcommand	O	X	X	X	X
viewer.exportcommand	O	O	O	O	O
viewer.external_functions	O	O	O	O	O
viewer.external_functions_path	O	O	O	O	O
viewer.external_replacescript_path	O	O	O	O	O
viewer.externalmodule	O	X	X	X	X
viewer.extraparam	O	X	X	X	X
viewer.focus_doc_index	O	O	O	O	O
viewer.fontdpi	O	O	X	O	O
viewer.foregroundimagealign	O	O	O	O	O
viewer.foregroundimageexportoption	O	O	O	O	O
viewer.foregroundimageprintable	O	O	O	O	O
viewer.foregroundimageurl	O	O	O	O	O
viewer.foregroundimagevisible	O	O	O	O	O
viewer.frameheight	O	X	X	X	X
viewer.frameicon	O	X	X	X	X
viewer.frameshowmode	O	X	X	X	X
viewer.frametitle	O	X	X	X	X
viewer.frametitleconcat	O	X	X	X	X
viewer.framewidth	O	X	X	X	X
viewer.framex	O	X	X	X	X

viewer.framey	O	X	X	X	X
viewer.getinformation	O	X	X	O	O
viewer.id	O	O	O	O	O
viewer.ignore_disable_color_inputcomponent	O	O	X	O	O
viewer.imageprogressbar_imagepath	O	X	X	X	X
viewer.isframe	O	X	X	X	X
viewer.ismultidocassub	O	O	O	O	O
viewer.keepreportmargin	O	X	X	X	X
viewer.killprocess	O	X	X	X	X
viewer.largebundle	O	O	X	O	O
viewer.linkcommand	O	O	X	O	O
viewer.mailcommand	O	X	X	O	O
viewer.marginbottom	O	O	X	O	O
viewer.marginleft	O	O	X	O	O
viewer.marginright	O	O	X	O	O
viewer.margintop	O	O	X	O	O
viewer.maxzoom	O	O	O	O	O
viewer.minzoom	O	O	O	O	O
viewer.mode	O	X	X	X	X
viewer.monitor_number	O	X	X	X	X
viewer.movepage	O	O	O	O	O
viewer.namespace	O	X	X	X	X

viewer.offsetstartpage	O	O	O	O	O
viewer.offsettotalpage	O	O	O	O	O
viewer.ozcommandurl	O	X	X	X	X
viewer.ozresource_language	O	O	O	O	O
viewer.ozscript_dateopr_silent	O	O	O	O	O
viewer.ozscript_stropr_silent	O	O	O	O	O
viewer.pagebindcommandinterval	O	O	O	O	O
viewer.pagechangecommand	O	O	O	O	O
viewer.pagedisplay	O	O	O	O	O
viewer.pagehorizontalalignment	O	O	O	O	O
viewer.pagenavigate_by_prev_next	O	O	X	O	O
viewer.pagenavigate_by_scroll	O	O	O	O	O
viewer.pageselection_option	O	X	X	X	X
viewer.pagesorterzoom	O	X	X	X	X
viewer.pageverticalalignment	O	O	O	O	O
viewer.paper_orientation	O	O	X	O	O
viewer.parentid	O	O	O	O	O
viewer.pointuptoclabel	O	O	X	O	O
viewer.postcommand	O	O	X	O	O
viewer.previewstop	O	X	X	X	X
viewer.printcommand	O	O	O	O	O
viewer.progresscommand	O	O	X	O	O
viewer.reportchangecommand	O	O	O	O	O

viewer.restore_previouszoom_doubletap	X	O	O	O	O
viewer.screentool	O	O	X	O	O
viewer.scrolltotop_at_pagemoved	O	O	O	O	O
viewer.showcontinuouspagegap	O	O	O	O	O
viewer.showerrorMessage	O	O	O	O	O
viewer.showpagemargin	O	O	O	O	O
viewer.showtab	O	O	O	X	X
viewer.showthumbnail	O	O	O	O	O
viewer.showtree	O	O	O	O	O
viewer.smartframesize	O	X	X	X	X
viewer.thumbnailsection_title	O	O	O	O	O
viewer.thumbnailviewsize	O	O	O	O	O
viewer.totalparam	O	O	O	O	O
viewer.totalparamseparator	O	O	O	O	O
viewer.treeviewsize	O	O	O	O	O
viewer.use_undo_redo	X	X	X	O	O
viewer.useeditmode	O	O	X	X	X
viewer.useimageprogressbar	O	X	X	X	X
viewer.useinborder	O	O	O	O	O
viewer.usemenubar	O	X	X	X	X
viewer.useoutborder	O	O	O	X	X
viewer.useprogressbar	O	O	O	O	O
viewer.useractioncommand	O	O	O	O	O

viewer.userdefined_format_json	O	O	O	O	O
viewer.usesaveasaudiomenu			X	X	X
viewer.usesaveasimagemenu	O	O	X	X	X
viewer.usescrollbounce	X	X	X	X	O
viewer.usestatusbar	O	O	O	X	X
viewer.usetextselectmenu	O	O	X	X	X
viewer.usetoolbar	O	O	O	O	O
viewer.viewmode	O	O	O	O	O
viewer.zoom	O	O	O	O	O
viewer.zoombydoubletap_printsize	X	O	O	O	O
viewer.zoombymouse	O	O	O	O	O

 Only e-Form

viewer.addmarginleft

Sets the left margin to be added to the current margin.

Reference

The unit is in pt.

When set to a value greater than 0, the left margin is increased and in the opposite case, the left margin is decreased.

viewer.addmargintop

Sets the top margin to be added to the current margin.

Reference

The unit is in pt.

When set to a value greater than 0, the top margin is increased and in the opposite case, the top margin is decreased.

viewer.allowmultiframe

Sets whether or not to allow multiple OZ Viewer windows from a single web browser.

Values

true	Allow multiple OZ Viewer
false	Allow single OZ Viewer(The default value)

Reference

Applies only if the "[viewer.isframe](#)" parameter value is "true" or "inprocess" and the "[viewer.closeframe](#)" parameter value is "false".

viewer.antialiasing

Sets whether to apply antialiasing.

Values

true	Apply antialiasing
false	Do not apply antialiasing(The default value)

viewer.autoadjustmargin

Adjust the report size automatically according to the report margin.

Values

true	Adjust
false	Do not adjust(The default value)

viewer.autohidethumbnail

Sets whether to automatically hide the thumbnail window.

Values

true	Hide automatically(The default value)
false	If you tap the report, hides or shows the toolbar

viewer.autohidetree

Sets whether to automatically hide the tree window.

Values

true	Hide automatically(The default value)
false	If you tap the report, hides or shows the toolbar

viewer.bankbookprintcommand

Sets whether to generate the OZBankBookPrintCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.bgcolor

Sets the background color of the OZ Viewer window.

viewer.bgimage

Sets the background image URL of the OZ Viewer window.

viewer.childcount

Sets the number of child reports that are added when many reports are shown in one OZ Viewer except for the main report.

viewer.closeframe

Sets whether to close a viewer executed with the same namespace when the viewer is executed.

Values

true	Close viewer
false	Do not close viewer(The default value)

Reference

Applies only if the "[viewer.isframe](#)" parameter value is "true".

viewer.closemessage_json

Sets the contents to be displayed in the viewer exit confirmation window.

Reference

Use this parameter if you want to be asked whether the viewer is closed again when the user exits the viewer.

Sets the parameter value as a JSON format string in the following format:

`{"Key1 ":"Value1 ","Key2 ":"Value2 ",...}"`.

The configurable keys are as follows:

Key	Description
title	Message title.
icontype	Icon type(The default value is iconquestion). Set the Value to "iconinformation", "iconquestion", "iconstop" or "iconwarning".

Key	Description
message	Message contents. Message contents can be set to multiple lines using "~OZ#LF".
buttontype	Button type(The default value is okcancel). Set the Value to "okcancel" or "yesno".

Regardless of what appears in the confirmation window, clicking Yes or OK will exit the viewer, clicking No or Cancel will not exit the viewer.

To use this parameter, please set [viewer.isframe](#) value to true or inprocess.

viewer.createreport_doc_index

Sets the index (zero-based index) of the reports created by the CreateReport/CreateReportEx function.

Reference

This parameter works properly only when it is set as an argument of the CreateReport/CreateReportEx function.

If the [viewer.parentid](#) parameter is also set in addition to this parameter, the [viewer.parentid](#) parameter overrides it.

Even if this parameter value is set, the last index will be returned in the following cases.

- When you set a value that is negative or greater than the number of reports displayed in the viewer.
- When a report is hidden in the index.

viewer.displaydpi

Sets the dpi of the report which will be displayed in the screen.

Values

0	Sytem dpi
72	72 dpi
96	96 dpi
120	120 dpi

Reference

If HTML5 Viewer, if set to 0, the parameter values are set to 96 dpi.

viewer.editmodecolor

Sets the color to display the midpoint of editable component within the report when OZ Viewer is in edit mode.

viewer.emptyframe

Sets whether to skip report binding and initiate empty viewer.

Values

true	Do not bind the report
------	------------------------

false	Bind the report(The default value)
-------	------------------------------------

viewer.enableframeresize

Sets whether to resize the viewer window that is launched alone.

Values

true	Able to resize(The default value)
false	Unable to resize

Reference

If you set the parameter value as "false", then the minimize, maximize, and resize icons are not displayed.

To use this parameter, please set [viewer.isframe](#) value to true or inprocess.

viewer.errorcommand

Sets whether to generate the OZErrorCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.exitcommand

Sets whether to generate the OZExitCommand event.

Values

true	Generate
false	Do not generate(The default value)

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter value is applied as "false".

viewer.exportcommand

Sets whether to generate the OZExportCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.external_functions

Sets the functions to be applied to the Functions event of ReportTemplate.

Reference

If you set the parameter value, a common function can be managed as a single file. Therefore, you can reduce the trouble of modifying the common functions of various reports individually. You can use the function entered in the file and the Functions event of ReportTemplate together. However, if the function name is a duplicate, it operates as a function of the ReportTemplate.

If an entered parameter value is not a valid JavaScript string, a script error will occur. A report will be generated regardless of whether an error occurs or not.

viewer.external_functions_path

Sets the file path for the script to be applied to the Functions event of ReportTemplate.

Reference

If you set the parameter value, a common function can be managed as a single file. Therefore, you can reduce the trouble of modifying the common functions of various reports individually. You can use the function entered in the file and the Functions event of ReportTemplate together. However, if the function name is a duplicate, it operates as a function of the ReportTemplate.

If there are no files in the specified paths, the report will not be bound.

If both the [viewer.external_functions](#) parameter and this parameter are set, only the value set in the [viewer.external_functions](#) parameter is applied.

viewer.external_replacescript_path

Sets the file path for the script to be applied to the report.

Reference

If you set the parameter value, deletes all of the scripts that are stored in the report and then applies the script to the contents of the specified file path.

If the contents of the specified file path do not fit in the script format, the report will be bound without a script.

If there are no files in the specified paths, the report will not be bound.

To use this feature, please set the text format file created for the script writing rules.

The script rules of each component are as follows.

ReportTemplate

```
SCRIPT_BEGIN ..EventName
    //Script
SCRIPT_END
```

Report

```
SCRIPT_BEGIN .ReportName.EventName
    //Script
SCRIPT_END
```

Child label of Table/Crosstab/GanttChart

```
SCRIPT_BEGIN .ReportName.Table/Crosstab/GanttChartName.ComponentName.EventName
    //Script
SCRIPT_END
```

Other components

```
SCRIPT_BEGIN .ReportName.ComponentName.EventName
    //Script
SCRIPT_END
```

For the details of the rules, see the Preview Script Editor Window. It runs when you click the [Preview Script] pop-up menu of the component in the Report Designer.

viewer.externalmodule

Sets the external dll file name which will be used to link with an external module when previewing.

viewer.extraparam

Sets the parameters to send to the external module.

viewer.focus_doc_index

Sets to show the first page, after binding multiple reports.

Reference

The default value is -1.

viewer.fontdpi

Sets the font DPI.

Values

72	72 dpi(The default value)
96	96 dpi
120	120 dpi
200	200 dpi
300	300 dpi
600	600 dpi
1200	1200 dpi

auto	Automatic adjustment
------	----------------------

viewer.foregroundimagealign

Sets the position and alignment of the foreground image displayed in the report.

Values

bottomcenter	Displays the image in the original size at the bottom center
bottomleft	Displays the image in the original size at the bottom left
bottomright	Displays the image in the original size at the bottom right
center	Displays the image in the original size at the center(The default value)
fit	Displays the image by expanding or shrinking to fit the size of the report area
fitbyheight	Displays the image on the left by expanding or shrinking to fit the height of the report area
fitbyheight_center	Displays the image at the center by expanding or shrinking to fit the height of the report area
fitbywidth	Displays the image at the top by expanding or shrinking to fit the width of the report area
fitbywidth_center	Displays the image at the center by expanding or shrinking to fit the width of the report area
isotropic	Displays the image at the top left by expanding or shrinking based on the smaller width and height ratio among the image and report area

isotropic_center	Displays the image at the center by expanding or shrinking based on the smaller width and height ratio among the image and report area
middleleft	Displays the image in the original size at the center left
middleright	Displays the image in the original size at the center right
normal	Displays the image in the original size at the top left
tile	Displays the image in the original size continuously enough to fit the entire report area
topcenter	Displays the image in the original size at the top center
topright	Displays the image in the original size at the top right

viewer.foregroundimageexportoption

Sets whether to include foreground image when saving reports.

Values

all	Always saved regardless of the file format
byprintable	Follows the settings set for printing the foreground image in a report
csv	Includes the foreground image when saving in the CSV format
doc	Includes the foreground image when saving in the DOC format
docx	Includes the foreground image when saving in the DOCX format
gif	Includes the foreground image when saving in the GIF format
gul	Includes the foreground image when saving in the GUL format

hml	Includes the foreground image when saving in the HML and HWP formats
html	Includes the foreground image when saving in the HTML format
hwp	Includes the foreground image when saving in the HWP format
jpg	Includes the foreground image when saving in the JPG format
mht	Includes the foreground image when saving in the MHT format
nothing	Does not save the foreground image in all file formats(The default value)
odt	Includes the foreground image when saving in the ODT format
pdf	Includes the foreground image when saving in the PDF format
png	Includes the foreground image when saving in the PNG format
ppt	Includes the foreground image when saving in the PPT format
svg	Includes the foreground image when saving in the SVG format
tif	Includes the foreground image when saving in the TIF format
txt	Includes the foreground image when saving in the TXT format
xls	Includes the foreground image when saving in the XLS format
xlsx	Includes the foreground image when saving in the XLSX format

Reference

The parameter values can be set to multiple values using ",".

viewer.foregroundimageprintable

Sets whether the foreground image will be included when printing the report.

Values

true	Include(The default value)
false	Do not include

viewer.foregroundimageurl

Sets the path of the foreground image file to be displayed in the report.

Reference

The file path can be set to OZ Repository URL(ozp://), Web Server URL(http://), Local URL(file://), and Mobile App Resource URL(res://). Note that the HTML5 Viewer can be set to the OZ repository URL(ozp://) and Web Server URL(http://).

viewer.foregroundimagevisible

Sets whether to include the foreground image when previewing the report.

Values

true	Display(The default value)
false	Do not display

viewer.frameheight

Sets the height of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.frameicon

Sets the title icon of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

The path to the icon file can be set in the "Http URL", "File URL", and "OZ URL" formats.

viewer.frameshowmode

Sets the display option of the OZ Viewer window.

Values

maximized	Maximized
minimized	Minimized
normal	Normal(The default value)

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.frameitle

Sets the title of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.frameconcat

Sets whether to show the title for the report in the viewer window title.

Values

true	Display in the "ViewerTitle-ReportTitle" format
false	Display as "ViewerTitle(The default value)"

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.framewidth

Sets the width of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.framex

Sets the X coordinate of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.framey

Sets the Y coordinate of the OZ Viewer window.

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.getinformation

Sets whether to get the binding information when the viewer is running on the launcher or external programs.

Values

true	Get the information
false	Do not get the information(The default value)

Reference

The result will be returned as "<oz information>Information</oz information>".

viewer.id

Sets the report ID.

Reference

This parameter will be used when displaying the report in a hierarchical structure.

viewer.ignore_disable_color_inputcomponent

Sets whether to display disabled input components as enabled input components.

Values

true	Display as enable all input components
false	Display according to the Enable property of the input component(The default value)

Reference

This parameter shows disabled input components in the shape of enabled ones.

In the PC Viewer, if the mouse cursor is placed in the TextBox or NumericUpDown, they are displayed in the disabled shape even though this parameter value is true. And when the mouse cursor is moved to another area they are displayed in the enabled shape.

viewer.imageprogressbar_imagepath

Sets the image file path of the image progress bar window.

Reference

Please use the 320 x 20 size image.

The path to the image file can be set "Http URL" and "File URL" formats.

See Also

[viewer.useimageprogressbar](#)

viewer.isframe

Sets the execution type of the OZ Viewer.

Values

true	Runs as a separate window(The default value)
false	Runs on the embedded Web browser
inprocess	Runs as a separate window, but execute in the same process as the web browser

viewer.ismultidocassub

Sets whether the child report is displayed in the form of a subordinate report in multiple reports.

Values

true	Display subordinate
false	Display equivalent(The default value)

viewer.keepreportmargin

Sets whether to save the left/right page margin that a user changed in the viewer screen.

Values

true	Save
false	Do not save(The default value)

Reference

Use this parameter when generating reports to apply the page margin previously changed by a user.

viewer.killprocess

Sets whether or not to close OZ Viewer when the Web browser is closed.

Values

true	Close OZ Viewer when the Web browser is closed(The default value)
false	Do not close OZ Viewer when the Web browser is closed

Reference

Applies only if the "[viewer.isframe](#)" parameter value is "true".

viewer.largebundle

Sets whether to integrate all the pages into one page.

Values

true	Integrate all the pages into one page
false	Do not Integrate(The default value)

viewer.linkcommand

Sets whether to generate the OZLinkCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.mailcommand

Sets whether to generate the OZMailCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.marginbottom

Sets the right margin of the report.

Reference

The unit is in pt.

The value set in the report will be ignored.

Applies only if the "[viewer.autoadjustmargin](#)" parameter value is "true".

viewer.marginleft

Sets the left margin of the report.

Reference

The unit is in pt.

The value set in the report will be ignored.

viewer.marginright

Sets the right margin of the report.

Reference

The unit is in pt.

The value set in the report will be ignored.

Applies only if the "[viewer.autoadjustmargin](#)" parameter value is "true".

viewer.margintop

Sets the top margin of the report.

Reference

The unit is in pt.

The value set in the report will be ignored.

viewer.maxzoom

Sets the maximum percentage of the report to zoom in.

Reference

In the Android/iOS, sets to the default value of "3000". In other viewers, sets to the default value of "100000". However, if HTML5 Viewer is executed in Mobile UI, sets to the default value of "3000".

viewer.minzoom

Sets the minimum percentage of the report to zoom out.

Reference

The default value is 20.

viewer.mode

Sets the execution type of OZ Viewer.

Values

export	Saves as a file without previewing (In other words, Direct export)
preview	Previews(The default value)

print	Prints without previewing (In other words, Direct print)
-------	--

viewer.monitor_number

Sets the monitor number to display the viewer.

Reference

For the monitor number, refer to the Display settings in the Control Panel.

If "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

In a multi-report environment, the value set in the first report applies to all reports, even if the value of this parameter is set differently for each report.

viewer.movepage

Sets the moved page number after Viewer binding.

Reference

The default value is 1.

viewer.namespace

Sets the namespace of the OZ Viewer.

viewer.offsetstartpage

Sets the increase or decrease value of the start page number.

Reference

The default value is 0.

Applies only if the field type of the system label is "Page_Number" or "Page_Of_Total".

If the sum of "current page number" and "viewer.offsetstartpage" is less than zero, the page number is displayed as empty.

If "[global.concatpage](#)" is set to "true" in multi-reports, and "[viewer.offsettotalpage](#)" and "viewer.offsetstartpage" are set in each report, the number of total pages is decreased by the sum of the configured value in each report and the start page number is decreased by each report.

viewer.offsettotalpage

Sets the increase or decrease value of the total page number.

Reference

The default value is 0.

Applies only if the field type of the system label is "Total_Page" or "Page_Of_Total".

viewer.ozcommandurl

Sets the web page URL that will receive the event value when the viewer is run as the EXE type.

Reference

To use the event feature in the EXE type viewer, you have to create a Web page that receives events and then set this parameter value to the web page URL.

Encode the web page that receives events to UTF-8 and also encode the event's return value to UTF-8.

The generated event type is returned by the `request.getParameter("command")` function. The return value of the event is returned to the `request.getParameter("oz_args#")` function. The `oz_args#` is a serial number that starts from 1. For the returned number for each event, refer to the description of each event.

Web page example

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
...
request.setCharacterEncoding("UTF-8");
String eventType = request.getParameter("command");
...
String returnValue1 = request.getParameter("oz_args1");
String returnValue2 = request.getParameter("oz_args2");
...
```

See Also

Viewer Event

viewer.ozresource_language

Sets the language to be applied to the resource label in the form of "LanguageCode_CountryCode".

Reference

If the code set in the parameter value is not in the report, the language is applied according the following rules.

1. The first resource language that matches the language code set in this parameter

-
2. The resource language that matches the user's system language and country code
3. The first resource language that matches the user's system language code
4. The first resource language added to the report

For the language codes and country codes that can be set, please refer to the "Language and Country Code".

viewer.ozscript_dateopr_silent

Sets whether to ignore the error and return the value with an empty string when an error occurs in the formatDate() function.

Values

true	Return an empty value
false	Return as an error(The default value)

viewer.ozscript_stropr_silent

Sets whether to return an empty string when errors occur from string functions such as substr, getchar, setchar, and etc.

Values

true	Return an empty value
false	Return as an error(The default value)

viewer.pagebindcommandinterval

Sets the interval of the OZPageBindCommand event.

Reference

In the final page, regardless of the interval, an OZPageBindCommand event is generated.

viewer.pagechangecommand

Sets whether to generate the OZPageChangeCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.pagedisplay

Sets the page display option.

Values

continuous	Continuous view. Display pages continuously while maintaining its original horizontal and vertical direction. Movable to other pages by using the prev/next function.
doublepage	Double Page view. Displays two page at a time in the viewer window. Movable only in the current page by using the prev/next function.
doublepagecontinuous	Double Page Continuous view. Display pages vertically and continuously with double pages on the viewer window. Movable to

	other pages by using the prev/next function.
singlepage	Single Page view. Displays one page at a time in the viewer window. Movable only in the current page by using the prev/next function.
singlepagecontinuous	Single Page Continuous view. Display pages vertically and continuously with a single page on the viewer window. Movable to other pages by using the prev/next function.

Reference

In the PC Viewer, the default value is "singlepage". In the Mobile Viewer, the default value is "singlepagecontinuous".

Set the [viewer.pagenavigate_by_prev_next](#) value to true to navigate to a component on a different page even if the parameter value is "singlepage" or "doublepage" when executing the previous/next function.

viewer.pagehorizontalalignment

Sets the horizontal alignment of the page.

Values

center	Center(The default value)
left	Left
right	Right

viewer.pagenavigate_by_prev_next

Sets whether to move to the prev/next page by using the prev/next function when the input component is at the start/end of the current page.

Values

true	Move page
false	Do not move page(The default value)

Reference

Applies only if the "[viewer.pagedisplay](#)" parameter value is "singlepage" or "doublepage".

viewer.pagenavigate_by_scroll

Sets whether to move the page to the previous/next page when the screen is positioned at the start/end of the page when moving the mouse wheel up/down.

Values

true	Move page
false	Do not move page(The default value)

viewer.pageselection_option

Sets whether to check the "Select all" checkbox displayed on the thumbnail or page sorter window.

Values

all	Check
nothing	Do not check(The default value)

Reference

Applies only if the "[global.use_pageselection](#)" parameter value is "true".

viewer.pagesorterzoom

Sets the zoom ratio.

Reference

The default value is 100.

Set to a value between 30 and 400.

viewer.pageverticalalignment

Sets the vertical alignment of the page.

Values

bottom	Bottom
middle	Middle
top	Top(The default value)

viewer.paper_orientation

Changes the paper orientation of the report.

Values

vertical	Change the paper orientation to portrait
horizontal	Change the paper orientation to landscape
empty string	Do not change(The default value)

Reference

If the height of the band designed in the report is greater than the height of the landscape paper when changing from portrait to landscape, the report does not change to the landscape orientation.

If the "[viewer.largebundle](#)" parameter value is "true", this parameter does not apply.

viewer.parentid

Sets the parent report ID.

Reference

This parameter will be used when displaying the report as a hierarchical structure.

viewer.pointuptoclablel

Sets whether or not to display the midpoint of the component when selecting the Toc-Label.

Values

true	Display
------	---------

false	Do not display(The default value)
-------	-----------------------------------

viewer.postcommand

Sets to the command and message of the OZPostCommand event.

Reference

Set in the "command;message" format.

viewer.previewstop

Sets whether to display a dialog box to stop previewing.

Values

true	Display
false	Do not display(The default value)

Reference

If this parameter value is "true", a dialog box containing the [Stop] button is displayed.

viewer.printcommand

Sets whether to generate the OZPrintCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.progresscommand

Sets whether to generate the OZProgressCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.reportchangecommand

Sets whether to generate the OZReportChangeCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.restore_previouszoom_doubletap

Sets whether to restore the previous zoom ratio when the user double-taps the screen.

Values

true	Restores the previous zoom ratio(The default value)
false	Applies the zoom ratio set in the viewer.zoombydoubletap_printsize parameter

Reference

Applies only if the "[viewer.viewmode](#)" parameter value is one of "fittoframe", "fittowidth", and "fittocontents".

If the parameter value is true and you do not change the zoom ratio after running the viewer, the previous zoom ratio is 100 percent based on the print size.

HTML5JS viewer is only supported in Mobile.

viewer.screentool

Sets the viewer screen mode.

Values

edit	Edit mode
hand	Hand mode
multiscreenguide	Guide mode
select	Select mode
textselect	Text Select mode

Reference

If you do not set this parameter value, it applies to the "Viewer Tool" property value of the ReportTemplate.

To use this parameter, please set the [eform.usemultiscreen](#) parameter value to true.

For the description of each mode, refer to the "Component Properties > Viewer Tool" section of OZ Designer Help.

See Also

[etcmenu.textselecttool](#), [viewer.usetextselectmenu](#)

viewer.scrolltotop_at_pagemoved

Sets whether to move the vertical scroll to the top of the page when moving a page.

Values

true	Move the vertical scroll to the top
false	Do not move the vertical scroll to the top

Reference

Applies only if the "[viewer.pagedisplay](#)" parameter value is "singlepage" or "doublepage".

viewer.showcontinuouspagegap

Sets whether or not to display gaps between pages when a multi-page report is displayed consecutively.

Values

true	Display(The default value)
false	Do not display

viewer.showerrormessage

Sets whether to display an error message when an error occurs.

Values

true	Display(The default value)
false	Do not display

viewer.showpagemargin

Sets whether to display the page internal margin.

Values

true	Display(The default value)
false	Do not display

viewer.showtab

Sets whether to display the report tab.

Values

true	Display
false	Do not display(The default value)

viewer.showthumbnail

Sets whether to display the thumbnail window after binding is completed.

Values

true	Display
false	Do not display(The default value)

Reference

HTML5 Viewer is only supported in PC.

If [viewer.showtree](#) and viewer.showthumbnail are set to true, the thumbnail window is displayed.

viewer.showtree

Sets whether to display the report tree window after binding is completed.

Values

true	Display
false	Do not display(The default value)

Reference

If viewer.showtree and [viewer.showthumbnail](#) are set to true, the thumbnail window are displayed.

viewer.smartframesize

Sets whether to display the size of the viewer window to fit the size of one report page.

Values

true	Fit
false	Do not fit(The default value)

Reference

Applies only if the "[viewer.isframe](#)" parameter value is not "false".

viewer.thumbnailsection_title

Sets the title of the section bar displayed on the thumbnail or the page sorter window.

Reference

If this parameter value is not set, the value of the [connection.displayname](#) parameter is set for the title of the section bar.

viewer.thumbnailviewsize

Sets the width of the thumbnail window.

Reference

The default value is 200.

In the Android/iOS Viewer, set to a value between 100 and 1000. In other Viewers, set to a value between 100 and 10000.

viewer.totalparam

Sets the values of multiple parameters.

Reference

Set in the "ParameterName=ParameterValueSeparator ...

SeparatorParameterName=ParameterValue" format.

This parameter is the lowest priority.

If the "[viewer.totalparamseparator](#)" parameter value is not set, this parameter does not apply.

viewer.totalparamseparator

Sets a separator when setting all values of parameters with [viewer.totalparam](#) at once.

Reference

The separator can be set as a single character as well as a string.

viewer.treeviewsize

Sets the width of the report tree window.

Reference

The default value is 200.

In the Android/iOS Viewer, set to a value between 100 and 1000. In other Viewers, set to a value between 100 and 10000. However, if HTML5 Viewer is executed in Mobile UI, set to a value between 100 and 1000.

viewer.use_undo_redo

Sets whether to allow execution of commentbar_redo and commentbar_undo among commands of Script/ScriptEx function.

Values

true	Allow
false	Do not allow(The default value)

viewer.useeditmode

Sets whether to run in edit mode, and displays outlines of editable components with the color selected as the "viewer.editmodecolor" parameter.

Values

true	Run in edit mode
false	Do not run in edit mode(The default value)

Reference

If the parameter value is true, the editable or moveable or changable label is displayed in the selected state.

viewer.useimageprogressbar

Sets whether to display the image progress bar window.

Values

true	Display
false	Do not display(The default value)

Reference

The image of the image progress bar window can be changed with the

["viewer.imageprogressbar_imagepath"](#) parameter.

If this parameter value is true, the ["print.useprintstop"](#) parameter does not apply.

viewer.useinborder

Sets whether to display the inner border.

Values

true	Display(The default value)
false	Do not display

viewer.usemenubar

Sets whether to display the menu bar.

Values

true	Display(The default value)
false	Do not display

Reference

If the "[viewer.isframe](#)" parameter value is "false", this parameter does not apply.

viewer.useoutborder

Sets whether to display the outer border.

Values

true	Display(The default value)
false	Do not display

viewer.useprogressbar

Sets whether to display the progress bar.

Values

true	Display(The default value)
false	Do not display

viewer.useractioncommand

Sets whether to generate the OZUserActionCommand event.

Values

true	Generate
false	Do not generate(The default value)

viewer.userdefined_format_json

Sets the User Defined Format.

Reference

Sets the parameter value as a JSON format string in the following format:

```
"{"userdefined_display name1":"format1","userdefined_display name2":"format2",...}"
```

In order to set the parameter value in the component, add a JavaScript function in the form of

```
"This.SetFormat("userdefined_display name1");"
```

viewer.usesaveasaudiomenu

Sets whether to display the [Save as audio] pop-up menu in the viewer window.

Values

true	Display
------	---------

false	Do not display(The default value)
-------	-----------------------------------

viewer.usesaveasimagemenu

Sets whether to display the [Save as image] pop-up menu in the viewer window.

Values

true	Display
false	Do not display(The default value)

viewer.usescrollbounce

Sets whether to use the scroll bounce effect.

Values

true	Use(The default value)
false	Do not use

Reference

This does not work in horizontal paging.

viewer.usestatusbar

Sets whether to display the status bar.

Values

true	Display(The default value)
false	Do not display

viewer.usertextselectmenu

Sets whether to display the [Text Select tool] pop-up menu in the viewer window.

Values

true	Occur
false	Do not occur(The default value)

Reference

If you set the parameter value to true, the [Text Select tool] pop-up menu is displayed and the [Tools] > [Text Select tool] main menu is enabled.

viewer.usetoolbar

Sets whether to display the toolbar.

Values

true	Display(The default value)
false	Do not display

Reference

The Android/iOS Viewer, the edit mode icon and search toolbar will be displayed regardless of this parameter value if you set to display the edit mode icon and the parameter toolbar.

viewer.viewmode

Sets the page view mode.

Values

normal	Show realsize
fittoframe	Show fit to frame
fittowidth	Show fit to width
fittoccontents	Show fit to contents
printsize	Show print size

Reference

The the Android/iOS Viewer, set to the default value, "fittowidth". In other viewers, set to the default value "normal". However, if HTML5 Viewer is executed in Mobile UI, set to the default value "fittowidth".

If you set the parameter value to normal, the report is displayed based on the Display DPI.

Therefore, the size of the report is displayed depending on the device resolution.

If you set the parameter value to fittoframe, it scales according to the size of the Viewer window.

If you set the parameter value to fittowidth, it scales according to the width of the Viewer window.

If you set the parameter value to `fitttocontents`, it scales according to the width of the Viewer window, except the margins of the report paper.

If you set the parameter value to `printsize`, the report is displayed as 100 percent based on the print size. Therefore, the size of the report is displayed in the same size regardless of the device resolution.

If you zoom in/out of the report, the page view mode is changed to normal.

viewer.zoom

Sets the zoom ratio.

Reference

The default value is 100.

Applies only if the "`viewer.viewmode`" parameter value is "normal".

If you set this parameter to a value greater than the value of the `viewer.maxzoom` parameter, this parameter value applies to 100. In addition, if you set it smaller than the parameter value of `viewer.minzoom`, this parameter value applies to 100.

viewer.zoombydoubletap_printsize

Sets the zoom ratio based on the print size when the user double-taps the screen.

Reference

The default value is 100 percent based on the print size.

Applies only if the "`viewer.restore_previouszoom_doubletap`" parameter value is "false".

HTML5JS viewer is only supported in Mobile.

viewer.zoombymouse

Sets whether to enable the changing of the zoom of the report, while holding the <ctrl> key and moving the mouse wheel in PC and using the Pinch Zoom action in the mobile environment.

Values

true	Enable(The default value)
false	Disable

word

Sets the options to save the DOC file.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
word.convertedimagedpi	O	O	O	O	O
word.filename	O	O	O	O	O
word.headerfooter_options	O	O	O	O	O
word.movewithtext	O	O	O	O	O
word.path	O	X	X	X	O
word.saveastable	O	O	O	O	O
word.saveasxml	O	X	X	X	X
word.savelinktoc	O	O	O	O	O
word.savelinkurl	O	O	O	O	O
word.savememo	O	O	X	O	O
word.savetoheaderfooter	O	O	O	O	O
word.tablerowheight	O	O	O	O	O
word.text_wrapping_style	O	O	O	O	O

word.convertedimagedpi

Sets the dpi of components that are stored as images.

Reference

The default value is 96.

word.filename

Sets the file name.

See Also

Save Dialog Box

word.headerfooter_options

Sets the page options applied when saving Page Header Band and Page Footer Band as the header and footer in Word.

Values

default	Sets all pages the same(The default value)
different_first_page	Sets the first page differently

Reference

When Page Header Band and Page Footer Band are saved as the header and footer in Word, the settings for Page Header and Footer Bands in the first page are applied to all pages in Word. This rule causes problems when there are no Page Header and Footer bands in the first page. Even if there are Page Header and Footer bands in the following pages, nothing is saved in the header

and footer in Word. To fix this, set the parameter value to "different_first_page" to set the first page differently from other pages.

Applies only if the "[word.saveasxml](#)" parameter value is "true" and the "[word.savetoheaderfooter](#)" parameter value is "true".

word.movewithtext

Sets whether to save components in the form of tables, text boxes, shapes, or pictures exported to Word to be moved together with text.

Values

true	Saves components to be moved together with text
false	Saves components to be moved without text(The default value)

Reference

Applies only if the "[word.saveasxml](#)" parameter value is "true".

Set the parameter to "true" to move down the position of the table when adding a line in the table for reports saved in Word.

word.path

Sets the file path.

See Also

Save Dialog Box

word.saveastable

Sets the "Save As Table" option.

Values

true	Check(The default value)
false	Do not check

Reference

Applies only if the "[word.saveasxml](#)" parameter value is "true".

See Also

DOC Save Option Dialog Box

word.saveasxml

Sets the "Save As XML" option.

Values

true	Check
false	Do not check(The default value)

See Also

DOC Save Option Dialog Box

word.savelinktoc

Sets the "Toc link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

word.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

word.savememo

Sets the save option for memos and callout shapes when saving a doc file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

word.savetoheaderfooter

Sets the "Save page header/footer band to header/footer" option.

Values

true	Check
false	Do not check(The default value)

See Also

DOC Save Option Dialog Box

word.tablerowheight

Sets the height of the rows of the table when exporting tables or crosstabs to Word.

Values

at_least	Sets the height of rows to the minimum value
exactly	Sets the height of rows to a fixed value(The default value)

Reference

Applies only if the "[word.saveasxml](#)" parameter value is "true".

word.text_wrapping_style

Sets the text wrapping style of the TextBox and Picture of the word.

Values

behind_text	Behind the text
in_front_of_text	In front of the text(The default value)

Reference

Applies only if the "[word.saveasxml](#)" parameter value is "true".

When the report that the shapes are overlaid on the table is saved as table if you want to display the table text at the top, please set this parameter value to behind_text.

See Also

[word.saveastable](#)

xlsx

Sets the options to save the XLSX file.

Android/iOS Viewer requires the following settings.

Android

1. Add the library file(libozrvpack_xlsxwriter.so) in the Eclipse project.

iOS

1. Add the framework(OZPackXLSX.framework) in the Xcode project.
2. Call the __OZExportPack_load_excel() function before using this function.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
xlsx.autofit	O	O	O	O	O
xlsx.autofitheight	O	O	O	O	O
xlsx.autofitwidth	O	O	O	O	O
xlsx.bgimage_path	O	O	O	O	O
xlsx.convertedimagedpi	O	O	O	O	O
xlsx.filename	O	O	O	O	O
xlsx.freezepanes_column	O	O	O	O	O
xlsx.freezepanes_row	O	O	O	O	O
xlsx.insert_horizontal_pagebreaks	O	O	O	O	O
xlsx.largebundle	O	O	X	O	O

xlsx.matchmode	O	O	O	O	O
xlsx.matchsubmode	O	O	O	O	O
xlsx.minimum_cellheight	O	O	O	O	O
xlsx.minimum_cellwidth	O	O	O	O	O
xlsx.modifypassword	O	O	O	O	O
xlsx.modifypassword_username	O	O	O	O	O
xlsx.numberformat	O	O	O	O	O
xlsx.openpassword	O	O	O	O	O
xlsx.path	O	X	X	X	O
xlsx.removeblank	O	O	O	O	O
xlsx.removeoption	O	O	O	O	O
xlsx.removeorange	O	O	O	O	O
xlsx.removeorange	O	O	O	O	O
xlsx.savedatetype	O	O	O	X	X
xlsx.savefont	O	O	X	O	O
xlsx.savefontsize	O	O	O	O	O
xlsx.savelinkurl	O	O	O	O	O
xlsx.savememo	O	O	X	O	O
xlsx.savemode	O	O	O	O	O
xlsx.savenumbertype	O	O	O	O	O
xlsx.savetogeneral	O	O	O	O	O
xlsx.showgridlines	O	O	O	O	O
xlsx.shrinktofit	O	O	O	O	O

xlsx.zoom	☐	☐	☐	☐	☐
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xlsx.autofit

Sets the "Auto Selected" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

xlsx.autofitheight

Sets the "Height" of the "Auto Select" option.

Reference

The default value is 1.

Applies only if the "[xlsx.autofit](#)" parameter value is "true".

See Also

Excel Save Option Dialog Box

xlsx.autofitwidth

Sets the "Width" of the "Auto Select" option.

Reference

The default value is 1.

Applies only if the "[xlsx.autofit](#)" parameter value is "true".

See Also

Excel Save Option Dialog Box

xlsx.bgimage_path

Sets the image file path of the background image of a sheet.

Reference

The file path can be set to OZ Repository URL(ozp://), Web Server URL(http://) and Local URL(file://). Note that the Android/iOS Viewer only supports the OZ repository URL(ozp://).

The available image formats for the background image are JPG and PNG, and the background image will be tiled.

xlsx.convertedimagedpi

Sets the dpi of components that are stored as images.

Reference

The default value is 96 and the unit is in dpi.

xlsx.filename

Sets the file name.

See Also

[export.applyformat](#), [export.format](#)

Save Dialog Box

xlsx.freezepanes_column

Sets the "Column" of the "Freeze panes" option.

Reference

Set to a value between A and XFD.

xlsx.freezepanes_row

Sets the "Row" of the "Freeze panes" option.

Reference

Set to a value between 1 and 1048576.

xlsx.insert_horizontal_pagebreaks

Sets whether to add the horizontal page break.

Values

true	Add the horizontal page break
false	Do not add the horizontal page break(The default value)

Reference

Applies only if more than two pages should be exported and the "[xlsx.removeblank](#)" parameter value is "false" and the "[xlsx.savemode](#)" parameter value is "keepform".

xlsx.largebundle

Sets the "Save one page" option in the Basic Save Option Dialog Box when you save the report to XLSX.

Values

true	Check
false	Do not check(The default value)

Reference

Please use this parameter when you want to set the "Save one page" option to work independently only in XLSX regardless of the different formats. For example, the "Save one page" option is checked only in XLSX when set to "xlsx.largebundle=true, [export.largebundle=false](#)". Likewise, the "Save one page" option is unchecked only in XLSX when set to "xlsx.largebundle=false, [export.largebundle=true](#)". The above rules still apply even if you check or uncheck the "Save one page" option in the Viewer window.

Please set the "[viewer.largebundle=true](#)" when trying to save the report to a single page when the report is exported directly without previewing.

See Also

Basic Save Option Dialog Box

xlsx.matchmode

Sets the "Save type" option.

Values

columnpersheet	The "Column pages per sheet" option is checked(The default value)
pagepersheet	The "Page per sheet" option is checked

Reference

If the value of the parameter is set to "columnpersheet", the same column is saved in the same sheet and if the value of the parameter is set to "pagepersheet", each page is saved as a separate sheet.

See Also

Excel Save Option Dialog Box

xlsx.matchsubmode

Sets the "Column first" or the "Row first" option.

Values

columnfirst	The "Column first" option is checked
rowfirst	The "Row first" option is checked(The default value)

Reference

Effective only when "[xlsx.matchmode](#)=pagepersheet".

See Also

Excel Save Option Dialog Box

xlsx.minimum_cellheight

Sets the "Height" of the "Minimum Cell Size" option.

Reference

The default value is 1.

Effective only when "[xlsx.savemode](#)=keepform".

See Also

Excel Save Option Dialog Box

xlsx.minimum_cellwidth

Sets the "Width" of the "Minimum Cell Size" option.

Reference

The default value is 1.

Effective only when "[xlsx.savemode](#)=keepform".

See Also

Excel Save Option Dialog Box

xlsx.modifypassword

Set a password to modify the XLSX file.

Reference

The password can be up to a maximum of 15 characters. If 15 characters is exceeded, then it will be saved without a password.

xlsx.modifypassword_username

Sets the user name when you open a password-protected XLSX files.

Reference

If you set the parameter value to "", applies to "noname".

xlsx.numberformat

Sets the format of the "Format" option.

Reference

The default value is #,##0.

To delete the format, please set this parameter value to the default value.

See Also

Excel Save Option Dialog Box

xlsx.openpassword

Set a password to open the XLSX file.

Reference

The password can be up to a maximum of 255 characters. Saved without a password if the 255 character limit is exceeded.

xlsx.path

Sets the file path.

See Also

Save Dialog Box

xlsx.removeblank

Sets the "Remove blank lines between pages" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

xlsx.removeoption

Sets the remove line option.

Values

firstpageexcept	The "Except first page" option is checked
firstpageonly	The "Only first page" option is checked
allpage	The "All pages" option is checked(The default value)

See Also

Excel Save Option Dialog Box

xlsx.removerange

Sets the start line and end line of the "Line" option. Set in the "StartLine, EndLine" format.

Reference

This parameter has lower priority than the "[xlsx.removeranges](#)" parameter.

See Also

Excel Save Option Dialog Box

xlsx.removeranges

Sets the line range of the "Line" option. Set in the "StartLine-EndLine,Line,StartLine-EndLine" format.

Reference

This parameter has higher priority than the "xlsx.removerange" parameter.

See Also

Excel Save Option Dialog Box

xlsx.savedatetype

Sets the "Convert date format text to date and time" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

xlsx.savefont

Sets the "Font" of the "Font" option.

See Also

Excel Save Option Dialog Box

xlsx.savefontsize

Sets the "Size" of the "Font" option.

See Also

Excel Save Option Dialog Box

xlsx.savelinkurl

Sets the "URL link" of the "Save link" option.

Values

true	Check(The default value)
false	Do not check

See Also

Basic Save Option Dialog Box

xlsx.savememo

Sets the save option for memos and callout shapes when saving an XLSX file.

Values

all	Follows the value of memo.exportoption , arrow.exportoption , checkmark.exportoption , circle.exportoption , line.exportoption , and rectangle.exportoption (The default value)
nothing	Does not save memos and callout shapes

xlsx.savemode

Sets the "Save mode" option.

Values

keepform	The "Keep the report form" option is checked(The default value)
ignoreprops	The "Ignore color, border, merge cell" option is checked
ignoreblank	The "Remove adjacent cell after dividing" option is checked

See Also

Excel Save Option Dialog Box

xlsx.savenumbertype

Sets the "Numeric type text convert to number" option.

Values

true	Check
------	-------

false	Do not check(The default value)
-------	---------------------------------

See Also

Excel Save Option Dialog Box

xlsx.savetogeneral

Sets the "Convert data to general(cell format)" of the "Format" option.

Values

true	Check
false	Do not check(The default value)

Reference

This parameter has higher priority than the "xlsx.numberformat" parameter.

See Also

Excel Save Option Dialog Box

xlsx.showgridlines

Sets the "Show gridlines" of the "Display option" option.

Values

true	Check(The default value)
false	Do not check

See Also

Excel Save Option Dialog Box

xlsx.shrinktofit

Sets the "Shrink to fit" of the "Text control" option.

Values

true	Check
false	Do not check(The default value)

See Also

Excel Save Option Dialog Box

xlsx.zoom

Sets the "Zoom In/Out" of the "Ratio" option.

Reference

The default value is 100. Set to a value between 10 and 400.

Viewer Function

This chapter describes the Viewer functions.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
CreateReport	O	O	X	O	O
CreateReportEx	O	O	X	O	O
GetGlobal	O	O	X	O	O
GetInformation	O	O	O	O	O
GetMemoryStreamByExport	X	X	X	O	O
GetPaperHeight	O	O	O	O	O
GetPaperWidth	O	O	O	O	O
GetTitle	O	O	O	O	O
PingOZServer	O	X	X	O	O
ReBind	O	O	X	O	O
Script	O	O	O	O	O
ScriptEx	O	O	O	O	O
SetChartStyle	O	O	X	O	O
SetGlobal	O	O	X	O	O
SetOptions	X	O	O	X	X
TriggerExternalEvent	O	O	X	O	O

TriggerExternalEventByDocIndex			X		
TriggerLocationUpdated	O	X	X	O	O
TriggerLocationUpdatedByDocIndex	O	X	X	O	O

 Only e-Form

CreateReport

Binds a new report.

Parameters

param	Set the value of parameters. Set as "ParameterName=ParameterValue\n ... \nParameterName=ParameterValue" format.
-------	--

Reference

When using the function, the server address (connection.servlet, connection.server, connection.port) and report name (connection.reportname, connection.openfile) must be set. The newly bound report is added in the last order. If you want to change the order of the report, set the viewer.createreport_doc_index parameter.

CreateReportEx

Binds a new report.

Parameters

param	Set the value of parameters. Set as "ParameterName=ParameterValuedelimiter ... delimiterParameterName=ParameterValue" format.
delimiter	Delimiter. Can be omitted.(The default value: \n)

Reference

This function is used to set the delimiter to another character. When using the function, the server address (connection.servlet, connection.server, connection.port) and report name (connection.reportname, connection.openfile) must be set. The newly bound report is added in the last order. If you want to change the order of the report, set the viewer.createreport_doc_index parameter.

GetGlobal

Gets the value of a global variable.

Parameters

key	Global variable key.
docIndex	Report index. Zero-based index. Can be omitted.(The default value: 0)

GetInformation

Get information from OZ Viewer.

Parameters

command	Command to get information of OZ Viewer.
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GetInformation Commands

The GetInformation function offers various commands:

- [COMMENT](#)
- [DATA_INFO](#)
- [DISPLAYNAME](#)
- [INPUT_CHECK_VALIDITY](#)
- [INPUT_JSON](#)
- [INPUT_TRIGGER_CLICK](#)
- [INPUT_XML](#)
- [INVALID_INFO_JSON](#)
- [MEMO_DATA](#)
- [MEMO_JSON](#)
- [MEMO_XML](#)
- [ODIPARAM](#)
- [OZFORMPARAM](#)
- [PAGE](#)
- [REPORT](#)

- [ZOOM](#)

Note

- *ReportIndex* must be set to zero-based index.
- *PageIndex* must be set to the 1-based index.

GetInformation Commands - COMMENT

To get comment information from a report, use the COMMENT related command below.

This command only supports e-Form.

COMMENT_DRAWBORDER_COLOR

The color of draw border.

COMMENT_DRAWBORDER_TRANSPARENCY

The transparency of draw border.

COMMENT_DRAWBORDER_THICK

The thickness of draw border.

COMMENT_FILLBACKGROUND_COLOR

The color of fill background.

COMMENT_FILLBACKGROUND_TRANSPARENCY

The transparency of fill background.

COMMENT_HIGHLIGHTPEN_COLOR

The color of highlighter pen. The return value is in "Red, Green, Blue" format.

COMMENT_HIGHLIGHTPEN_THICK

The thickness of highlighter pen.

COMMENT_HIGHLIGHTPEN_TRANSPARENCY

The transparency of highlighter pen.

COMMENT_MODE

The Viewer screen mode. Returns "comment" if the edit or comment mode and returns "input" if other modes.

COMMENT_PEN_COLOR

The color of pen. The return value is in "Red, Green, Blue" format.

COMMENT_PEN_THICK

The thickness of pen.

COMMENT_SELECTEDPEN

The type of selected pen. Returns "pen", "highlightpen", "eraser", "drawborder" and "fillbackground".

GetInformation Commands - DATA_INFO

To get the data information added to the data tree in the report in JSON format, use the DATA_INFO related command below.

DATA_INFO

Get the data information added to the data tree in the current report in JSON format. The returned data information is dataset name, row count of result set, and data field name. Return order as shown in the data tree. The dataset will be returned only if the "Use" property value is true. Also, the return value maintains a master-detail structure. And if the "Use" property value of master-dataset is false, data information of master-detail dataset is not returned.

DATA_INFO_AT=*ReportIndex*

Get the data information added to the data tree in the specified report in JSON format. The returned data information is dataset name, row count of result set, and data field name. Return

order as shown in the data tree. The dataset will be returned only if the "Use" property value is true. Also, the return value maintains a master-detail structure. And if the "Use" property value of master-dataset is false, data information of master-detail dataset is not returned. If there is no data in the specified report or you set a wrong index, it is returned to the "[]".

GetInformation Commands - DISPLAYNAME

To get the displayed name of a report, use the DISPLAYNAME related command below.

DISPLAYNAME

Get the displayed name of the current report.

DISPLAYNAME_AT=*ReportIndex*

Get the displayed name of the specified report in the report tree.

GetInformation Commands -

INPUT_CHECK_VALIDITY

To get the results of the OnCheckValidity event's script execution of the button, use the INPUT_CHECK_VALIDITY related command below.

This command only supports e-Form.

INPUT_CHECK_VALIDITY

Get the results of the OnCheckValidity event's script execution of the first button added to the current report. If it succeeds to run, "valid" is returned, and if it fails to run "" is returned. Note that it returns "valid" if the OnCheckValidity event of the first button has no script. When the command is called, if there is a component that you are editing in the current report, exit the

editing status. In addition, the changes apply to components and return the focus.

(OnValueChanged and OnKillFocus events are called)

INPUT_CHECK_VALIDITY_AT=*ReportIndex*

Get the results of the OnCheckValidity event's script execution of the first button added to the specified report. If successful, execution is returned to "valid". If you set the execution failure or incorrect index, it will be returned to "". Note that it returns "valid" if the OnCheckValidity event of the first button has no script. When the command is called, if there is a component that you are editing in the specified report, exit the editing status. In addition, the changes apply to components and return the focus.(OnValueChanged and OnKillFocus events are called)

INPUT_CHECK_VALIDITY_AT=*ReportIndex***,PAGE_AT=***PageIndex*

Get the results of the OnCheckValidity event's script execution of the first button added to the specified page of the specified report. If successful, execution is returned to "valid". If you set the execution failure or incorrect index, it will be returned to "". Note that it returns "valid" if the OnCheckValidity event of the first button has no script. The PageIndex must be specified as a one-based index. When the command is called, if there is a component that you are editing in the specified page of the specified report, exit the editing status. In addition, the changes apply to components and return the focus.(OnValueChanged and OnKillFocus events are called)

INPUT_CHECK_VALIDITY_CURRENT_PAGE

Get the results of the OnCheckValidity event's script execution of the first button added to the current page. If it succeeds to run, "valid" is returned, and if it fails to run "" is returned. Note that it returns "valid" if the OnCheckValidity event of the first button has no script. When the command is called, if there is a component that you are editing in the current page, exit the editing status. In addition, the changes apply to components and return the focus.

(OnValueChanged and OnKillFocus events are called)

INPUT_CHECK_VALIDITY_PAGE_AT=*PageIndex*

Get the results of the OnCheckValidity event's script execution of the first button added to the specified page. If successful, execution is returned to "valid". If you set the execution failure or incorrect index, it will be returned to "". Note that it returns "valid" if the OnCheckValidity event of the first button has no script. The PageIndex must be specified as a one-based index. When the command is called, if there is a component that you are editing in the specified page, exit the editing status. In addition, the changes apply to components and return the focus.

(OnValueChanged and OnKillFocus events are called)

GetInformation Commands - INPUT_JSON

To get the value of the input component in JSON format, use the INPUT_JSON related command below.

This command only supports e-Form.

INPUT_JSON

Get the value of the input component added to the current report in the JSON format.

INPUT_JSON_ALL

Get the value of the input component added to all reports in the JSON format.

INPUT_JSON_ALL_GROUP_BY_REPORT

Get the value of the input component added to all reports in the JSON format. However, the values are separated for each report. The value is returned by a comma delimiter. ex)

```
{"ReportDisplayName":"Display Name","Input":{"Component FormID":"Value",...}}.
```

INPUT_JSON_AT=*ReportIndex***,PAGE_AT=***PageIndex*

Get the value of the input component added to the specified page of the specified report in the JSON format.

INPUT_JSON_CURRENT_PAGE

Get the value of the input component added to the current page in the JSON format.

GetInformation Commands -

INPUT_TRIGGER_CLICK

To get the results of the OnClick event's script execution of the button, use the

INPUT_TRIGGER_CLICK related command below.

This command only supports e-Form.

INPUT_TRIGGER_CLICK

Get the results of the OnClick event's script execution of the first button added to the current report. If it succeeds to run, "true" is returned, if it fails to run "false" is returned. Note that it returns "false" if the OnClick event of the first button has no script.

INPUT_TRIGGER_CLICK_AT=*ReportIndex*

Get the results of the OnClick event's script execution of the first button added to the specified report. If it succeeds to run, "true" is returned, if it fails to run "false" is returned. Note that it returns "false" if the OnClick event of the first button has no script.

INPUT_TRIGGER_CLICK_CURRENT_PAGE

Get the results of the OnClick event's script execution of the first button added to the current page. If it succeeds to run, "true" is returned, if it fails to run "false" is returned. Note that it returns "false" if the OnClick event of the first button has no script.

INPUT_TRIGGER_CLICK_PAGE_AT=*PageIndex*

Get the results of the OnClick event's script execution of the first button added to the specified page. If it succeeds to run, "true" is returned, if it fails to run "false" is returned. Note that it

returns “false” if the OnClick event of the first button has no script. The PageIndex must be specified as one-based index.

GetInformation Commands - INPUT_XML

To get the value of the input component in XML format, use the INPUT_XML related command below.

This command only supports e-Form.

INPUT_XML

Get the value of the input component added to the current report in the XML format.

INPUT_XML_ALL

Get the value of the input component added to all reports in the XML format.

INPUT_XML_ALL_GROUP_BY_REPORT

Get the value of the input component added to all reports in the XML format. However, the values are separated for each report. Root Element is set to ozform, and add the report to the next step in the ozform and the display name of the report is set in the name attribute.

INPUT_XML_AT=*ReportIndex***,PAGE_AT=***PageIndex*

Get the value of the input component added to the specified page of the specified report in the XML format.

INPUT_XML_CURRENT_PAGE

Get the value of the input component added to the current page in the XML format.

GetInformation Commands -

INVALID_INFO_JSON

To get information of input component for which the value of the "Required" property is set to Yes and empty value, use the INVALID_INFO_JSON related command below.

This command only supports e-Form.

INVALID_INFO_JSON

Get information of input components in JSON format. The input component in the current report must have an empty value with the Required property set to true.

INVALID_INFO_JSON_AT=*ReportIndex*

Get information of input components in JSON format. The input component in the specified report must have an empty value with the Required property set to true.

GetInformation Commands - MEMO_DATA

To get memo data from a report, use the MEMO_DATA related command below.

MEMO_DATA

Gets the memo data added to the current report. Returns all data including memos, images, comments, and callout shapes.

MEMO_DATA_AT=*ReportIndex*

Gets the memo data added to the specified report. Returns all data including memos, images, comments, and callout shapes.

GetInformation Commands - MEMO_JSON

To get the text of MEMO in JSON format, use the MEMO_JSON related commands below.

This command only supports e-Form.

MEMO_JSON

Get the text of the memo added to the current report in JSON format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added.

MEMO_JSON_ALL

Get the text of the memo added to all reports in JSON format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added. However, if a memo is added to multiple reports, the memo ID is generated in the order of the report displayed in the report tree.

MEMO_JSON_ALL_GROUP_BY_REPORT

Get the text of the memo added to all reports in JSON format. However, the memo ID is separated for each report. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added. The values are returned in the form of {"ReportDisplayName":"the display name of the report","memo":{"the memo ID":"the actual text",...}} by each report with each value separated by a comma.

MEMO_JSON_AT=*ReportIndex***,PAGE_AT=***PageIndex*

Get the text of the memo added to the specified page of the specified report in JSON format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added.

MEMO_JSON_CURRENT_PAGE

Get the text of the memo added to the current page in JSON format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added.

GetInformation Commands - MEMO_XML

To get the text of MEMO in XML format, use the MEMO_XML related commands below.

This command only supports e-Form.

MEMO_XML

Get the text of the memo added to the current report in XML format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added. Sets the root element to "ozmemo" and adds memo under it.

MEMO_XML_ALL

Get the text of the memo added to all reports in XML format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added. However, if a memo is added to multiple reports, the memo ID is generated in the order of the report displayed in the report tree. Sets the root element to "ozmemo" and adds memo under it.

MEMO_XML_ALL_GROUP_BY_REPORT

Get the text of the memo added to all reports in XML format. However, the memo ID is separated for each report. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added. Sets the root element to "ozmemo" and adds reports under it. The display name of the report is set in each memo's "name" property.

MEMO_XML_AT=*ReportIndex***,PAGE_AT=***PageIndex*

Get the text of the memo added to the specified page of the specified report in XML format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added.

MEMO_XML_CURRENT_PAGE

Get the text of the memo added to the current page in XML format. The memo ID is created in the form of "memo1, memo2, memo3, ..." in the order in which the memos were added.

GetInformation Commands - ODIPARAM

To get the ODI parameter field name, use the ODIPARAM related command below.

ODIPARAM

Get the ODI parameter field name added to the Data tree of the current report in the JSON format.

ODIPARAM_AT=*ReportIndex*

Get the ODI parameter field name added to the Data tree of the specified report in the JSON format.

GetInformation Commands -

OZFORMPARAM

To get the form parameter field name, use the OZFORMPARAM related command below.

OZFORMPARAM

Get the form parameter field name added to the Data tree of the current report in the JSON format.

OZFORMPARAM_AT=*ReportIndex*

Get the form parameter field name added to the Data tree of the specified report in the JSON format.

GetInformation Commands - PAGE

To get the content or page number of a page, use the PAGE related commands below.

ACCESSIBLE_PAGECONTENTS

The content of the current page. Returns the contents of the current page when the screen reader program is running and the page display mode is a single page. Otherwise, an empty is returned.

CURRENT_PAGE

Get the current page number of the current report. The page number returns a one-based index.

CURRENT_PAGE_AT=*ReportIndex*

Get the current page number of the specified report. The page number returns a one-based index.

TOTAL_PAGE

Get the total number of pages in the current report.

TOTAL_PAGE_AT=*ReportIndex*

Get the total number of pages in the specified report.

TOTAL_PAGE_OF_REPORT_FILE_AT=*ReportFileIndex*

Get the total number of pages in the specified report file. After finishing viewer binding, it is impossible to get the number of pages that is added by the Link function or CreateReport, etc.

GetInformation Commands - REPORT

To get the report index or total number of reports, use the REPORT related command below.

CURRENT_REPORT_INDEX

Get the current report index. The report index returns a zero-based index.

REPORT_COUNT

Get the total number of reports.

REPORTINDEX_BY_DISPLAYNAME=*DisplayName*

Get the report index of the specified report in the report tree. The report index returns a zero-based index. If there is a duplicate display name, the index of the report found first in the order of the report tree is returned.

GetInformation Commands - ZOOM

To get the zoom ratio of a report, use the ZOOM related command below.

ZOOM

Get the zoom ratio of the current report.

ZOOM_AT=*ReportIndex*

Get the zoom ratio of the specified report.

GetMemoryStreamByExport

The Viewer exports the report as a stream, and exported stream without leaving the temporary file is sent directly to the server.

Parameters

param	Set the value of parameters. Set as "ParameterName=ParameterValuedelimiter ... delimiterParameterName=ParameterValue" format.
delimiter	Delimiter

GetPaperHeight

Gets the paper height.

Reference

The unit is pt.

GetPaperWidth

Gets the paper width.

Reference

The unit is pt.

GetTitle

Gets the report title.

PingOZServer

Check the status of OZ Server.

Parameters

ip	IP of OZ daemon type server.
port	Port number of OZ daemon type server.
url	URL of OZ servlet type server.

ReBind

Rebind the report based on the setting parameter.

Parameters

docIndex	Report index.(zero-based index)
type	Rebind type. • data: Refresh parameter's value, data, report. The keepEditing Parameter applies as the value you set. • label: Refresh only the text of the parameter label. The keepEditing Parameter is always applied to true. • report: Refresh parameter's value and report. The keepEditing Parameter applies as the value you set.
param	Set the value of parameters. Set as "ParameterName=ParameterValuedelimiter ... delimiterParameterName=ParameterValue" format.
delimiter	Delimiter. Can be omitted.(The default value: \n)
keepEditing	Whether to keep the additions and changes in the preview window. The memo, comments, callout shapes(lines, arrows, rectangles, circles), text edits, and input component value will be maintained. Can be omitted.(The default value: true)

Script

Run the functions of the OZ Viewer.

Parameters

command	Commands that control functions.
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Script Commands

The Script function offers various commands:

- [Commands\(A-B\)](#)
- [Commands\(C\)](#)
- [Commands\(D-F\)](#)
- [Commands\(H-N\)](#)
- [Commands\(O-R\)](#)
- [Commands\(S\)](#)
- [Commands\(T-Z\)](#)

Note

- *ReportIndex* must be set to zero-based index.
- *PageIndex* must be set to the 1-based index.

Script Commands(A-B)

about

Click the "About" icon.

attacharrow

Click the "Add arrow" icon.

attachcheckmark

Click the "Add checkmark" icon.

attachcircle

Click the "Add circle" icon.

attachimage

Add image. This option only supports the Android/iOS Viewer.

attachimage,pickmode=*type*

Add image. The default value is album. This option only supports the Android/iOS Viewer.

attachline

Click the "Add line" icon.

attachmemo

Click the "Add memo" icon.

attachrectangle

Click the "Add rectangle" icon.

bankbookprint

Click the "Bankbook print" icon.

Script Commands(C)

close

Close the current report.

close_except_first_report

Close the current report. However, if the current report is the first report, then it doesn't close.

closeall

Close all reports.

closereport=*ReportIndex*

Close the specified report. If "global.concatpage" value is true, close all reports.

comment_clear

Deletes all comments in the current report. This command only supports e-Form.

comment_clear_all

Deletes all comments in all reports. This command only supports e-Form.

comment_clear_at=*ReportIndex*

Deletes all comments in the specified report. This command only supports e-Form.

comment_highlightpen_color=*HighlightPenColor*

Select the highlight pen color. This command only supports e-Form.

comment_highlightpen_thick=*HighlightPenThickness*

Select the highlight pen thickness. This command only supports e-Form.

comment_pen_color=*PenColor*

Select the pen color. This command only supports e-Form.

comment_pen_thick=*PenThickness*

Select the pen thickness. This command only supports e-Form.

commentbar_clear_all

Clear all comments. This command only supports e-Form.

commentbar_drawborder_all

Select draw border on the comment toolbar. This command only supports e-Form.

commentbar_eraser_all

Selects eraser on the comment toolbar. This command only supports e-Form.

commentbar_fillbackground_all

Select fill background on the comment toolbar. This command only supports e-Form.

commentbar_hand_all

Select hand on comment toolbar. This command only supports e-Form.

commentbar_highlightpen_all

Select a highlight pen on the comment toolbar. This command only supports e-Form.

commentbar_pen_all

Select a pen on the comment toolbar. This command only supports e-Form.

commentbar_redo

Redo. It works only when the value of "viewer.use_undo_redo" is true. This option only supports in the edit mode of the Android/iOS Viewer.

commentbar_update_all

Update commentbar with parameter values. It is a command to be used for ScriptEx function. It updates the comment toolbar using OZ Viewer parameters given as the second Parameter of ScriptEx function. This command only supports e-Form.

commentbar_undo

Undo. It works only when the value of "viewer.use_undo_redo" is true. This option only supports in the edit mode of the Android/iOS Viewer.

continuous_all

Set "Continuous" to the "Page Display" of all reports.

Script Commands(D-F)

disable_input_all

All input components of all reports status changes to disabled. This command only supports e-Form.

disable_input_at=*ReportIndex*

All input components status of the specified report changes to disabled. Lists the report index with a comma (,) as a separator when setting multiple reports. This command only supports e-Form.

disable_paging_all

Disable horizontal paging view of all reports in the Android/iOS Viewer. This command only supports e-Form.

disable_zoombymouse_all

Disable to change the zoom of all reports, while holding the <ctrl> key move the mouse wheel.

displayname_at=*ReportIndex=ReportDisplayName*

Changes the display name of the specified report.

doublepage_all

Set "Double Page" to the "Page Display" of all reports.

doublepagecontinuous_all

Set "Double Page Continuous" to the "Page Display" of all reports.

edittool

Click the "Edit tool" icon.

enable_input_all

All input components of all reports status changes to enabled. The component that the value of the "Enable" property is "False" does not apply. In multi-screen environments, even if you enable all components using this parameter, the components disabled using the multiscreen.main_disable_types and multiscreen.sub_disable_types parameters are not enabled. This command only supports e-Form.

enable_input_at=*ReportIndex*

All input components status of the specified report changes to enabled. Lists the report index with a comma (,) as a separator when setting multiple reports. The component that the value of the "Enable" property is "False" does not apply. In multi-screen environments, even if you enable all components using this parameter, the components disabled using the multiscreen.main_disable_types and multiscreen.sub_disable_types parameters are not enabled. This command only supports e-Form.

enable_paging_all

Enable horizontal paging view of all reports in the Android/iOS Viewer. Even if you set this parameter, it will not be applied when pagination is set to "Double page" or "Double page continuous". This command only supports e-Form.

enable_zoombymouse_all

Enable to change the zoom of all reports, while holding the <ctrl> key move the mouse wheel.

end

Go to the last page.

end_all

All reports go to the last page.

end_report

Go to the last report.

endedit

Exit editing status of the input component. If there is a component that you are editing in the specified page of the specified report exit the editing status. In addition, the changes apply to components and return the focus, and the OnValueChanged and OnKillFocus events are called. This command only supports e-Form Mobile.

exit

Exit OZ Viewer.

find

Click the "Search" icon.

find_silent

Find string without running the find dialog box.

Script Commands(H-N)

handtool

Click the "Hand tool" icon.

hend

Go to the last page in the horizontal direction.

hhome

Go to the first page in the horizontal direction.

hide_comment_at_inputmode_all

Hide comments when not in the comments mode. This command only supports e-Form.

hide_commentbar_all

Hide the edit mode icon in the Android/iOS Viewer, and hide the comment toolbar in other Viewers. This command only supports e-Form.

hide_horizontalscroll_all

Hide horizontal scrollbar of all reports.

hidereport=*ReportIndex*

Hide the specified report. After the report is hidden, the page number, the tree window, and the thumbnail window are synchronized based on the report displayed in the OZ Viewer window. When the parent report is hidden, the child reports are hidden at the same time. If the current report is to be hidden, the next report is displayed in the OZ Viewer window. However, the previous report is displayed if there is no next report.

hnext

Go to the next page in the horizontal direction.

home

Go to the first page.

home_all

All reports go to the first page.

home_report

Go to the first report.

hprev

Go to the previous page in the horizontal direction.

inputparam

Click the "Input parameter" icon.

inversepaper

Change page orientation.

maxzoom=*Ratio*

Set the maximum percentage of the current report to zoom in.

maxzoom_all=*Ratio*

Set the maximum percentage of all reports to zoom in.

memo_data=*MemoData*

Deletes all the memo data shown in the current report and applies it to the specified value.

Applied all data including memos, images, comments, and callout shapes.

memo_data_at=*ReportIndex=MemoData*

Deletes all the memo data shown in the specified report and applies it to the specified value.

Applied all data including memos, images, comments, and callout shapes.

minzoom=*Ratio*

Set the minimum percentage of the current report to zoom out.

minzoom_all=*Ratio*

Set the minimum percentage of all reports to zoom out.

mode_comment_all

Change edit mode in the Android/iOS Viewer, and change comments mode in other Viewers.

This command only supports e-Form.

mode_input_all

Change input mode in the Android/iOS Viewer, and change previous mode in other Viewers.

This command only supports e-Form.

movepage=*number*

Go to the specified page number.

movereport=*ReportIndex*

Go to the specified report.

multiscreen_mode_comment_all

Change sub-screen to comment mode. This command only supports e-Form.

multiscreen_mode_input_all

Change sub-screen to input mode. This command only supports e-Form.

multiscreenguide

Guide mode.

navigator

Show page navigator in the Android/iOS Viewer, and show page coordinate window in other Viewers.

next

Go to the next page.

next_report

Go to the next report.

Script Commands(O-R)

open

Click the "Open" icon.

ozdhistory

Show saved history. Executed only when the file is an OZD file containing the revision history of input components. This command only supports e-Form Mobile.

pagesetup

Click the "Page setup" icon.

paging_fittocontents

Fit to contents at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

paging_fittoframe

Fit to frame at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

paging_fittowidth

Fit to width at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

paging_nofit

Maintain previous view mode at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

paging_printsize

Display as a print size at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

paging_zoom=*Ratio*

Zoom to the specified value at horizontal paging view mode in the Android/iOS Viewer. This command only supports e-Form.

prev

Go to the previous page.

prev_report

Go to the previous report.

print

Click the "Print the report" icon.

refresh

Click the "Report refresh" icon.

resetzoom

Set the zoom to 100%.

Script Commands(S)

save

Click the "Save" icon.

save_memorystream

Save to Memory Stream. The saved result can be used in the OZExportMemoryStreamCallBack event. The "Execute after save" option works to false. If the "Destination" option is "Mail" or "OZ Mail", the mail program will run without attachments.

savecsv

Click the "Save CSV" icon.

savedm

Click the "Save Data" icon.

savedm_memorystream

Save to Memory Stream. The saved result can be used in the OZExportMemoryStreamCallBack event. If the "Destination" option is "Mail" or "OZ Mail, the mail program will run without attachments.

savedoc

Click the "Save DOC" icon.

savedocx

Click the "Save DOCX" icon.

savegif

Click the "Save GIF" icon.

savehan97

Click the "Save HML97" icon.

savehtml

Click the "Save HTML" icon.

savehwp

Click the "Save HML" icon.

savehwpX

Click the "Save HWPX" icon.

savejpg

Click the "Save JPG" icon.

savemht

Click the "Save MHT" icon.

saveodt

Click the "Save ODT" icon.

saveozd

Click the "Save OZD" icon.

savepdf

Click the "Save PDF" icon.

savepng

Click the "Save PNG" icon.

saveppt

Click the "Save PPT" icon.

savesvg

Click the "Save SVG" icon.

savetiff

Click the "Save TIF" icon.

savetxt

Click the "Save TXT" icon.

savexls

Click the "Save XLS" icon.

scroll_top

Scroll to top.

show_comment_at_inputmode_all

Always show comments regardless of the OZ Viewer mode. This command only supports e-Form.

show_commentbar_all

Show edit mode icon in the Android/iOS Viewer, show comment toolbar in other Viewers. This command only supports e-Form.

show_horizontalscroll_all

Show horizontal scrollbar of all reports.

showconsole

Show console.

showpagesorter

Show page sorter.

showreport=*ReportIndex*

Show the specified report. After the report is shown, the page number, the tree window, and the thumbnail window are synchronized based on the report displayed in the OZ Viewer window.

When the specified report is shown, the hidden top-level reports and child reports will be displayed.

showthumbnail

Show thumbnail.

showtree

Show report tree.

singlepage_all

Set "Single Page" to the "Page Display" of all reports.

singlepagecontinuous_all

Set "Single Page Continuous" to the "Page Display" of all reports.

subscreen_active_at=*ReportIndex*

Display the selected report on the sub-screen. This command only supports e-Form.

subscreen_endedit

End the edit mode of the input component being edited in the sub-screen window. If there is a component that you are editing in the specified page of the specified report exit the editing status. In addition, the changes apply to components and return the focus, and the OnValueChanged and OnKillFocus events are called. This command only supports e-Form.

subscreen_hide_thumbnail

Hide the page thumbnail on the sub-screen. Displays the "Show thumbnail" icon. This command only supports e-Form.

subscreen_inactive_all

Hide the OZ Viewer on the sub-screen. This command only supports e-Form.

subscreen_show_thumbnail

Display the page thumbnail on the sub-screen. Hides the "Show thumbnail" icon. This command only supports e-Form.

subscreen_signpad_clear

Clear the signature in the signature input window displayed on the sub-screen.

subscreen_zoomin

Zoom in the report displayed in the sub-screen. This command only supports e-Form.

subscreen_zoomout

Zoom out the report displayed in the sub-screen. This command only supports e-Form.

subscreen_zoomreset

Reset the report displayed in the sub-screen. This command only supports e-Form.

Script Commands(T-Z)

textselecttool

Click the "Text Select tool" icon.

update_address_info=*AddressInformation*

Set the address information to be displayed in the address search window on the sub-screen.

The address information is set as a JSON string in {"address":{"totalcount":Total number of addresses,"pagenum":The page number,"requestcount":5,"items":["The first address",..., "The fifth address"]}} format. This command only supports e-Form.

update_customsearch_info=*SearchWindowInformation*

Set the search window information displayed when the search button is clicked on the numeric keypad of the sub-screen. The search window information is set as a JSON string in

`{"window_title":"The windows title","columns":[{"title":"The title of the first column","alignment":"left","width":"60%"},{"title":"The title of the second column","alignment":"right","width":"40%"}],"items":[{"display":[{"text":"The first column text of line 1"}, {"text":"The second column text of line 1"}], "value":"The return value when selecting row 1"}, ..., {"display":[{"text":"The first column text of line n"}, {"text":"The second column text of line n"}], "value":"The return value when selecting row n"}]}`. This command only supports e-Form.

vend

Go to the last page in the vertical direction.

vhome

Go to the first page in the vertical direction.

viewfitttocontents

Set "Show fit to contents" to the "View mode".

viewfitttoframe

Set "Show fit to frame" to the "View mode".

viewfitttowidth

Set "Show fit to width" to the "View mode".

viewnormal

Set "Show realsize" to the "View mode".

viewprintsiz

Set "Show print size" to the "View mode".

vnext

Go to the next page in the vertical direction.

vprev

Go to the previous page in the vertical direction.

zoom=*Ratio*

Zoom to the specified value.

zoom_all=*Ratio*

Zoom to the specified value of all reports.

zoomin

Click the "Zoom in" icon.

zoomout

Click the "Zoom out" icon.

ScriptEx

Run the functions of the OZ Viewer by setting the value of parameters.

Parameters

command	Commands that control functions.
param	Set the value of parameters. Set as "ParameterName=ParameterValuedelimiter ... delimiterParameterName=ParameterValue" format.
delimiter	Delimiter. Can be omitted.(The default value: \n)

Reference

[Script](#) function can set only a command, however, ScriptEx function can set parameters and the delimiter as well. For commands to control the OZ Viewer, see [Script](#) function. To give the comment parameter as the second Parameter of ScriptEx function and apply it to the comment toolbar, set the first Parameter to one of the following commands:

- commentbar_clear_all
- commentbar_highlightpen_all
- commentbar_pen_all
- commentbar_update_all
- hide_comment_at_inputmode_all
- hide_commentbar_all
- mode_comment_all
- mode_input_all
- show_comment_at_inputmode_all
- show_commentbar_all

SetChartStyle

Change the chart type.

Parameters

type	Chart type. Gauge, HArea, HArea_3D_Accumulative, HArea_3D_Percent, HArea_Accumulative, HArea_Percent, HBar_3D_Accumulative, HBar_3D_Bundle, HBar_3D_Percent, HBar_Accumulative, HBar_Bundle, HBar_Percent, HCone_3D_Accumulative, HCone_3D_Bundle, HCone_3D_Percent, HCustom, HCustom_Accumulative, HCustom_Percent, HCylinder, HCylinder_3D_Accumulative, HCylinder_3D_Bundle, HCylinder_3D_Percent, HCylinder_Accumulative, HCylinder_Percent, HLine, HLine_Accumulative, HLine_Accumulative_NoPoint, HLine_NoPoint, HLine_Percent, HLine_Percent_NoPoint, HPoint, HPoint_Accumulative, HPoint_Percent, HPyramid_3D_Accumulative, HPyramid_3D_Bundle, HPyramid_3D_Percent, HStep, Pie, Pie_3D, Pie_Split, Pie_Split_3D, Radiant, Radiant_Accumulative, Radiant_Accumulative_NoPoint, Radiant_NoPoint, Radiant_Percent, Radiant_Percent_NoPoint, VArea, VArea_3D, VArea_3D_Accumulative, VArea_3D_Percent, VArea_3D_Zwise, VArea_Accumulative, VArea_Percent, VArea_Rotational_3D, VArea_Rotational_3D_Zwise, VBar, VBar_3D, VBar_3D_Accumulative, VBar_3D_Bundle, VBar_3D_Percent, VBar_3D_Zwise, VBar_Accumulative, VBar_Percent, VBar_Rotational_3D, VBar_Rotational_3D_Zwise, VCone_3D, VCone_3D_Accumulative, VCone_3D_Bundle, VCone_3D_Percent, VCone_3D_Zwise, VCustom, VCustom_3D, VCustom_3D_Zwise, VCustom_Accumulative, VCustom_Percent, VCylinder, VCylinder_3D, VCylinder_3D_Accumulative, VCylinder_3D_Bundle, VCylinder_3D_Percent,
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VCylinder_3D_Zwise, VCylinder_Accumulative, VCylinder_Percent, VLine, VLine_3D, VLine_3D_Zwise, VLine_Accumulative, VLine_Accumulative_NoPoint, VLine_NoPoint, VLine_Percent, VLine_Percent_NoPoint, VLine_Rotational_3D, VLine_Rotational_3D_Zwise, VPoint, VPoint_Accumulative, VPoint_Percent, VPyramid_3D, VPyramid_3D_Accumulative, VPyramid_3D_Bundle, VPyramid_3D_Percent, VPyramid_3D_Zwise, VScatter, VScatter_Line, VScatter_Line_NoPoint, VStep
--

SetGlobal

Sets the value of a global variable.

Parameters

key	Global variable key.
value	Global variable value.
docIndex	Report index. Zero-based index. Can be omitted.(The default value: 0)

SetOptions

Sets the execution option of the OZ Viewer.

Parameters

options	Viewer execution options. Sets the option value to the declared array object.
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Reference

Viewer execution options are below.

print_exportfrom, save_exportfrom, signpad_dialog_fullscreen, and user_defined_fonts are supported in the HTML5JS Viewer only.

print_exportfrom	The module that generates a printable PDF file when printing a report.(The default value: viewer). Sets to one of viewer, server, scheduler.
print_use_duplexprintbyreport	Sets whether to print the first page of the report on the front side of the paper when printing a multi-report on both sides. (The default value: false)
save_exportfrom	The module that generates a PDF file for export when saving a report.(The default value: empty) Sets to one of empty, {"pdf":"server"}, {"pdf":"scheduler"}.
signpad_dialog_fullscreen	The standard screen type used when displaying the dialog-type signature pad in full size.(The default value: empty) Sets to one of empty, viewer, browser.

	An empty value displays it in 1/3 size of the viewer window, "viewer" displays it in the viewer's full screen, and "browser" displays it in the web browser's full screen.
user_defined_fonts	The list of fonts to be displayed in the Change properties dialog. The font names are listed with the comma(,) as the delimiter.
user_defined_function	The user-defined function to run when executing save, print, and save data features.

TriggerExternalEvent

Runs the OnExternalEvent event of the current report and returns the value of the OnExternalEvent event passed in string format.

Parameters

param1	The first parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param2	The second parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param3	The third parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param4	The fourth parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")

TriggerExternalEventByDocIndex

Runs the OnExternalEvent event of the specified report and returns the value of the OnExternalEvent event passed in string format.

Parameters

docIndex	Report index. Zero-based index.
param1	The first parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param2	The second parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param3	The third parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")
param4	The fourth parameter to pass to OnExternalEvent. Can be omitted.(The default value: "")

TriggerLocationUpdated

Occurs OnLocationUpdated event in current report and returns the value(string) that OnLocationUpdated sent.

Parameters

locationInfo	Location information. Sets as {"key1":value1,"key2":value2, ... } format with JSON string. Available keys are accuracy, latitude, longitude, altitude, heading, speed and timestamp.
addressInfo	Address information. Sets as {"key1":value1,"key2":value2, ... } format with JSON string. Available keys are fullAddress, country, countryCode, adminArea, locality, sublocality, street and streetNumber.

TriggerLocationUpdatedByDocIndex

Occurs OnLocationUpdated event in selected report and returns the value(string) that OnLocationUpdated sent.

Parameters

docIndex	Report index. Zero-based index
locationInfo	Location information. Sets as {"key1":value1,"key2":value2, ... } format with JSON string. Available keys are accuracy, latitude, longitude, altitude, heading, speed and timestamp.
addressInfo	Address information. Sets as {"key1":value1,"key2":value2, ... } format with JSON string. Available keys are fullAddress, country, countryCode, adminArea, locality, sublocality, street and streetNumber.

Viewer Event

This chapter describes the Viewer events.

Available Viewers

Parameter	EXE	HTML5JS	HTML5SVG	Android	iOS
OZBankBookPrintCommand	O	O	X	O	O
OZCommand	O	O	O	O	O
OZFormInputEventCommand	O	O	X	O	O
OZErrorCommand	O	O	O	O	O
OZExitCommand	O	X	X	X	X
OZExportCommand	O	O	O	O	O
OZExportMemoryStreamCallBack	O	O	O	O	O
OZLinkCommand	O	O	X	O	O
OZMailCommand	O	X	X	O	O
OZPageBindCommand	O	O	O	O	O
OZPageChangeCommand	O	O	O	O	O
OZPostCommand	O	O	X	O	O
OZPrintCommand	O	O	O	O	O
OZProgressCommand	O	O	X	O	O
OZReportChangeCommand	O	O	O	O	O
OZUserActionCommand	O	O	O	O	O

OZUserEvent	O	O	X	O	O
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☐ Only e-Form

OZBankBookPrintCommand

This event occurs after printing bankbook printer.

Parameters

datas	Report label and the value that saved as text type
-------	--

Reference

To use the OZBankBookPrintCommand event, the value of viewer.bankbookprintcommand must be set to true.

OZCommand

This event occurs after the oz event occurred.

Parameters

code	Event Type
args	Transfer all factor values of OZLinkCommand in a string format using semicolon(;) as a delimiter

Reference

The code that is returned by the event type is shown below. To use the OZCommand event, the value of parameters for each event to occur must be set to true.

code	Event Type
ERROR	OZErrorCommand
EXIT	OZExitCommand
EXPORT	OZExportCommand
LINK	OZLinkCommand
MAIL	OZMailCommand
PAGEBIND	OZPageBindCommand
PAGECHANGE	OZPageChangeCommand

code	Event Type
POST	OZPostCommand
PRINT	OZPrintCommand
PROGRESS	OZProgressCommand
REPORTCHANGE	OZReportChangeCommand

OZEFormInputEventCommand

This event occurs when the

OnClick/OnFinish/OnFocus/OnKillFocus/OnPause/OnPlay/OnStop/OnValueChanged event occurred.

Parameters

docindex	Report index(zero-based index)
formid	FormID of component that the OnClick/OnFinish/OnFocus/OnKillFocus/OnPause/OnPlay/OnStop/OnValueChang ged event occurred. If FormID is not set, returns name of component
eventname	Name of the event that occurred(OnClick, OnFocus, OnKillFocus, OnValueChanged)
mainscreen	Whether the input component value is entered in the multi-screen(true: main screen, false: sub screen)

Reference

If the viewer is not a multi-screen environment, the mainscreen parameter is always returned as true. To use the OZEFormInputEventCommand event, the value of eform.inpoteventcommand must be set to true.

OZErrorCommand

This event occurs when an error occurs.

Parameters

code	Error code
message	Error message
detailmessage	Error detail message
reportname	Report name

Reference

To use the OZErrorCommand event, the value of viewer.errorcommand must be set to true.

OZExitCommand

This event occurs after closing the oz viewer window.

Reference

To use the OZExitCommand event, the value of viewer.exitcommand must be set to true. It applies only if the viewer.isframe parameter value is true or inprocess.

OZExportCommand

This event occurs after saving report.

Parameters

code	Success or failure(0: Failure, 1: Success)
path	File path
filename	File name
pagecount	Number of pages of the saved file
filepaths	File path and name of the saved file

Reference

To use the OZExportCommand event, the value of viewer.exportcommand must be set to true. If you have multiple saved file, the filepaths Parameter "|" as a delimiter is returned. If you have multiple saved files, the filepaths Parameter "|" as a delimiter is returned. For the HTML5 viewer, the "path", "filename", and "filepaths" are always returned as an empty value.

OZExportMemoryStreamCallBack

This event occurs after `Script("save_memorystream", "savedm_memorystream")` or `ScriptEx("save_memorystream", "savedm_memorystream")` function is executed.

Parameters

outputdata	The result is stored in the Memory Stream
------------	---

Reference

The outputdata is returned as a string in the format of `{"file path": "Memory Stream of the saved file that is encoded in base64"}`. However, HTML5 Viewer returns the file name, not the file path.

Multiple files are returned by a comma delimiter. ex)

`{"Path1":"Stream1","Path2":"Stream2",...,"Pathn":"Streamn"}`. If you cancel saving or an error has occurred, returns `{}`. If the report is saved in multiple files, the `OZExportCommand` event is called multiple times but the `OZExportCommand` event is called only once after all saving is completed.

OZLinkCommand

This event occurs after running the SetLinkEvent or setLinkEvent function.

Parameters

docindex	Report index(zero-based index)
compname	Component name
usertag	User tag
uservalue	User value
mousebutton	Clicked mouse button(Left, Right)

Reference

To use the OZLinkCommand event, the value of viewer.linkcommand must be set to true.

OZMailCommand

This event occurs after sending the report by oz-mail.

Parameters

code	Success or failure(0: Failure, 1: Success)
------	--

Reference

To use the OZMailCommand event, the value of viewer.mailcommand must be set to true.

OZPageBindCommand

This event occurs after binding the pages.

Parameters

docindex	Report index(zero-based index)
pagecount	Page number

Reference

The OZPageBindCommand event periodically occurs by the value of viewer.pagebindcommandinterval, regardless of interval OZPageBindCommand event occurs on the final page. To use the OZPageBindCommand event, the value of viewer.pagebindcommandinterval must be set greater than 0.

OZPageChangeCommand

This event occurs after changing the page.

Parameters

docindex	Report index(zero-based index)
----------	--------------------------------

Reference

To use the OZPageChangeCommand event, the value of viewer.pagechangecommand must be set to true.

OZPostCommand

This event occurs after previewing the report in the viewer window. This event occurs also after saving or printing the report directly without the viewer window.

Parameters

cmd	Command
msg	Message

Reference

To use the OZPostCommand event, the value of viewer.postcommand must be set to "command;message" format.

OZPrintCommand

This event occurs after printing or canceling printing the report.

Parameters

msg	Message
code	Success or failure(0: Success, 1: Failure)
reportname	Report name
printrname	Printer name
printcopy	Print copies
printpages	The number of pages printed
prinrange	The range of printed(al: All pages, current: Current page, selected: Selection, range: Pages, selectedreport: Reports)
username	User name
printerdrivername	Printer driver name
printpagesrange	Range of the printed page

Reference

To use the OZPrintCommand event, the value of viewer.printcommand must be set to true. The options that are not supported by the print dialog box for each OZ Viewer are returned to their default value.

OZProgressCommand

This event occurs by report generation phase.

Parameters

step	Step of the report creating(0: Setting Viewer Options, 1: Download the report file, 2: Create a report template, 3: Download the data, 4: Report binding)
state	State of the report creating(1: Start, 2: Finish)
reportname	Report name

Reference

To use the OZProgressCommand event, the value of viewer.progresscommand must be set to true.

OZReportChangeCommand

This event occurs after changing the report in the oz viewer window.

Parameters

docindex	Report index(zero-based index)
----------	--------------------------------

Reference

To use the OZReportChangeCommand event, the value of viewer.reportchangecommand must be set to true.

OZUserActionCommand

This event occurs when the user executes the functions of the viewer.

Parameters

type	User action type
attr	Result

Reference

To use the OZUserActionCommand event, the value of viewer.useractioncommand must be set to true.

OZUserActionCommand Type

The OZUserActionCommand event offers various types by the oz viewer functions.

OZUserActionCommand > AddArrow

When the user adds an arrow in the report, "AddArrow" is returned.

attr	Description
height	The height of the arrow(float)
reportname	The report name(string)
width	The width of the arrow(float)

attr	Description
xpos	The X coordinate of the arrow(float)
ypos	The Y coordinate of the arrow(float)

OZUserActionCommand > AddCheckMark

When the user adds a checkmark in the report, "AddCheckMark" is returned.

attr	Description
height	The height of the checkmark(float)
reportname	The report name(string)
width	The width of the checkmark(float)
xpos	The X coordinate of the checkmark(float)
ypos	The Y coordinate of the checkmark(float)

OZUserActionCommand > AddCircle

When the user adds a circle in the report, "AddCircle" is returned.

attr	Description
height	The height of the circle(float)
reportname	The report name(string)

attr	Description
width	The width of the circle(float)
xpos	The X coordinate of the circle(float)
ypos	The Y coordinate of the circle(float)

OZUserActionCommand > AddImage

When the user adds an image in the report, "AddImage" is returned.

attr	Description
height	The height of image label(float)
reportname	The report name(string)
width	The width of image label(float)
xpos	The X coordinate of image label(float)
ypos	The Y coordinate of image label(float)

OZUserActionCommand > AddLine

When the user adds a line in the report, "AddLine" is returned.

attr	Description
height	The height of the line(float)

attr	Description
reportname	The report name(string)
width	The width of the line(float)
xpos	The X coordinate of the line(float)
ypos	The Y coordinate of the line(float)

OZUserActionCommand > AddMemo

When the user adds a memo in the report, "AddMemo" is returned.

attr	Description
compindex	The component index(int). One-Based Index
compname	The component name(string)
comptype	The component type(string)
height	The height of the memo(float)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index
reportname	The report name(string)
width	The width of the memo(float)

attr	Description
xpos	The X coordinate of the memo(float)
ypos	The Y coordinate of the memo(float)

OZUserActionCommand > AddRectangle

When the user adds a rectangle in the report, "AddRectangle" is returned.

attr	Description
height	The height of the rectangle(float)
reportname	The report name(string)
width	The width of the rectangle(float)
xpos	The X coordinate of the rectangle(float)
ypos	The Y coordinate of the rectangle(float)

OZUserActionCommand > BankbookPrint

When the user prints the report to the bankbook printer, "BankbookPrint" is returned.

attr	Description
pagecount	The number of pages printed(int)
reportname	The report name(string)

OZUserActionCommand > Binding

When the report is bound to oz viewer, "Binding" is returned.

attr	Description
reportname	The report name(string)
state	The binding state(string)

OZUserActionCommand > ChangeComp

When the user changes the component property values or drawing type, "ChangeComp" is returned.

attr	Description
backcolor	The background color(string)
barcodeerroroption	The barcode error option(string)
bottomframethickness	The bottom border thickness(string)
charspace	The character spacing(string)
charttype	The chart type(string)
clip	The clipping(string)
compindex	The component index(int). One-Based Index

attr	Description
compname	The component name(string)
comptype	The component type(string)
datagap	The data gap of barcode(string)
datamatrixencoding	The encoding of DataMatrix barcode(string)
datamatrixmargin	The margin of DataMatrix barcode(string)
dataposition	The data position of barcode(string)
effect	The font effect(string)
fontname	The font name(string)
fontsize	The font size(int)
fontstretch	The font scale(string)
fontstyle	The font style(string)
gradientcolor	The gradient color(string)
gradienttype	The gradient type(string)
halign	The text horizontal alignment(string)
horizontalalignment	The horizontal alignment of barcode(string)

attr	Description
imagestyle	The image style(string)
leftframethickness	The left border thickness(string)
linecolor	The line color(string)
linespace	The line space(string)
linetype	The line type(string)
margin	The margin of barcode(string)
pageindex	The page index(int). One-Based Index
pdf417colnum	The column number of PDF417 barcode(string)
pdf417ecc	The ECC of PDF417 barcode(string)
pdf417rownum	The row number of PDF417 barcode(string)
pdf417xscale	The X scale of PDF417 barcode(string)
pdf417yscale	The Y scale of PDF417 barcode(string)
penthickness	The pen thickness(string)
printscales	The printing scale of barcode(string)
qrecc	The ECC of qr barcode(string)

attr	Description
qrencoding	The encoding of qr barcode(string)
qrmargin	The margin of qr barcode(string)
ratio	The ratio of barcode(string)
reportindex	The report index(int). Zero-Based Index
reportname	The report name(string)
rightframethickness	The right border thickness(string)
scale	The scale of barcode(string)
showdata	Show data of chart(string)
textcolor	The font color(string)
textgap	The title gap of barcode(string)
textindent	The text indent(string)
textposition	The title position of barcode(string)
textstretch	The text direction(string)
tooltiptext	The tooltip text(string)
topframethickness	The top border thickness(string)

attr	Description
transparent	No fill(string)
type	The barcode type(string)
usegradient	Use gradient(string)
valign	The text vertical alignment(string)
wordwrap	The word wrap(string)
wordwraptype	The word wrap type(string)

Reference

The attr consists of oldvalue and newvalue. The oldvalue(e.g. MyObj.oldvalue.backcolor) is the value before the change and the newvalue(e.g. MyObj.newvalue.backcolor)is the value after the change. (Except for compindex and compname, pageindex, reportindex, reportname)

OZUserActionCommand > ChartEditMode

When the user changes the rotatable status of a chart, "ChartEditMode" is returned.

attr	Description
reportname	The report name(string)
state	The rotatable state(string)

OZUserActionCommand >

ClickSubscreenToolbar

When the user clicks the button in the toolbar on the sub-screen, "ClickSubscreenToolbar" is returned.

attr	Description
buttontype	The button type(string)

OZUserActionCommand > Close

When the user closes the report, "Close" is returned.

attr	Description
index	The report index(int). Zero-Based Index
reportname	The report name(string)

OZUserActionCommand > CloseAll

When the user closes all reports, "CloseAll" is returned.

attr	Description
reportname	The report name(Array)

OZUserActionCommand >

CloseByThumbnail

When the user clicks the Close the report pop-up menu displayed on the thumbnail,
"CloseByThumbnail" is returned.

attr	Description
close	Whether the report is closed(string). When the report is closed returns true. Otherwise, it returns false.
index	The report index(int). Zero-Based Index
reportname	The report name(string)

Reference

If the report is closed by clicking the Close the report pop-up menu, this is called after [Close](#).

OZUserActionCommand >

CloseByThumbnailSection

When the user clicks the Close icon displayed on the thumbnail section bar,
"CloseByThumbnailSection" is returned.

attr	Description
close	Whether the report is closed(string). When the report is closed returns true. Otherwise, it returns false.
index	The report index(int). Zero-Based Index
reportname	The report name(string)

Reference

If the report is closed by clicking the Close the report pop-up menu, this is called after [Close](#).

OZUserActionCommand > CommentClear

when the user clicks the clear all icon to delete all comments added to the report,

"CommentClear" is returned.

attr	Description
mainscreen	Whether the screen with all comments deleted is the main screen(string)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index

Reference

If the viewer is not a multi-screen environment, the mainscreen parameter is always returned as true.

OZUserActionCommand > CommentDraw

when the user adds comments in the report, "CommentDraw" is returned.

attr	Description
mainscreen	Whether the screen with comments added is the main screen(string)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index

Reference

If the viewer is not a multi-screen environment, the mainscreen parameter is always returned as true.

OZUserActionCommand > CommentErase

when the user clicks the eraser icon to delete comments added to the report, "CommentErase" is returned.

attr	Description
mainscreen	Whether the screen with comments deleted is the main screen(string)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index

Reference

If the viewer is not a multi-screen environment, the mainscreen parameter is always returned as true.

OZUserActionCommand > CopyInputData

when the user clicks Copy input data(json) or Copy input data(xml) menu, "CopyInputData" is returned.

attr	Description
clipboardtext	The copied text(string)
reportname	The report name(string)
type	Input data type(string)

OZUserActionCommand > CopySelectedText

when the user selects the text of the component, "CopySelectedText" is returned.

attr	Description
clipboardtext	The copied text(string)
reportname	The report name(string)

OZUserActionCommand > EditComp

when the user changes the text of the memo or label, "EditComp" is returned.

attr	Description
caption	The text(string)

attr	Description
compindex	The component index(int). One-Based Index
compname	The component name(string)
comptype	The component type(string)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index
reportname	The report name(string)

Reference

The only caption consists of oldvalue and newvalue. The oldvalue(e.g. MyObj.oldvalue.caption) is the value before the change and the newvalue(e.g. MyObj.newvalue.caption) is the value after the change.

OZUserActionCommand > Error

When an error occurs, "Error" is returned.

attr	Description
description	The detail error message(string)
errorcode	The error code(string)
errormessage	The error message(string)

attr	Description
reportname	The report name(string)

OZUserActionCommand > Export

when the user saves the report, "Export" is returned and the common and basic save option dialog box attr are as follows:

attr	Description
code	The result code(string)
executefile	The "Execute after save" option check or not(string)
exportbypage	The "Save by page" option check or not(string)
filename	The file name(string)
format	The saved file format(string)
largebundle	The "Save one page" option check or not(string)
pagemode	The value of "Save range" option(string)
pagerange	The value of "Pages" option(string)
path	The file path(string)
reportname	The report name(Array)

attr	Description
savearrow	The "Arrow" option check or not(string)
savebarcode	The "Barcode" option check or not(string)
savechart	The "Chart" option check or not(string)
savecircle	The "Circle" option check or not(string)
savedatamatrixbarcode	The "DataMatrix Barcode" option check or not(string)
savehtml	The "HTML" option check or not(string)
saveimage	The "Image" option check or not(string)
savelabel	The "Text Label" option check or not(string)
saveline	The "Line" option check or not(string)
savelinktoc	The "Toc link" option check or not(string)
savelinkurl	The "URL link" option check or not(string)
savemultidoc	The "Save all document" option check or not(string)
saveonefile	The "Save as one file" option check or not(string)
savepdf417	The "PDF417" option check or not(string)
saveqrbarcode	The "QR Barcode" option check or not(string)

attr	Description
saverect	The "Rectangle" option check or not(string)
silentexecute	Whether to run immediately after creating temporary files(string)
target	The value of "Destination" option(string)
zip	The "Compress" option check or not(string)
zipfilename	The compressed file name path(string)
zippassword	The value of "Password" option(string)
zippath	The compressed file path(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > CSV

When the report is saved as a CSV file, the format is returned to "csv".

attr	Description
addseparator	The value of "Insert 1000 separator" option(string)
charset	The value of "Encoding" option(string)
exceptfirstpage	The "Except first page" option check or not(string)

attr	Description
pageline	The value of "Page spacing" option(int)
pagestyle	The value of "Break type" option(string)
pagetitle	The value of "<PAGE>" option(string)
removerange	The line range of "Remove lines" option(string)
saveastable	The "Save As Table" option check or not(string)
separator	The value of "Delimiter" option(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > DOC

When the report is saved as a DOC file, the format is returned to "doc".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
saveastable	The "Save As Table" option check or not(string)
saveasxml	The "Save As XML" option check or not(string)
savetoheaderfooter	The "Save page header/footer band to header/footer" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > GIF

When the report is saved as a GIF file, the format is returned to "gif".

attr	Description
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > GUL

When the report is saved as a GUL file, the format is returned to "gul".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
saveastable	The "Save As Table" option check or not(string)

Reference

The GUL format is only supported by the EXE Viewer.

OZUserActionCommand > Export > HML

When the report is saved as a HML file, the format is returned to "han97".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
saveastable	The "Save As Table" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > HTML

When the report is saved as a HTML file, the format is returned to "html".

attr	Description
charset	The value of "Encoding" option(string)
convertedimagedpi	The dpi of components that are stored as images(int)
fontsize	The font size of "Set font size" option(int)
horizontal	The value of "Horizontal" option(int)
imagepath	The value of "Save image to" option(string)
offsetx	The X axis value of "Offset" option(int)
offsety	The Y axis value of "Offset" option(int)
pagetitle	The value of "Title" option(string)

attr	Description
savebypage	The "Save each page to different file" option check or not(string)
usefontsize	The "Set font size" option check or not(string)
version	The value of "HTML Version" option(string)
vertical	The value of "Vertical" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > HWP

When the report is saved as a HWP file, the format is returned to "hwp".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
keplabelsize	The "Keep label size" option check or not(string)
saveastable	The "Save As Table" option check or not(string)
savetobackground	The "Save background band to background page" option check or not(string)
savetoheaderfooter	The "Save page header/footer band to header/footer" option check or not(string)

attr	Description
verrtopparagraph	The "From the paragraph" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > JPG

When the report is saved as a JPG file, the format is returned to "jpg".

attr	Description
quality	The value of "Quality" option(int)
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > MHT

When the report is saved as a MHT file, the format is returned to "mht".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
savefont	The font name of "Font" option(string)

attr	Description
savefontsize	The font size of "Font" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > OZD

When the report is saved as a OZD file, the format is returned to "ozd".

attr	Description
includeedits	The "Include edits" option check or not(string)
includeimage	The "Include image" option check or not(string)
password	The value of "Password" option(string)
saveall	The "Save all reports" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > PDF

When the report is saved as a PDF file, the format is returned to "pdf".

attr	Description
author	The value of "Author" option(string)

attr	Description
changeable	The value of "Changes Allowed" option(string)
contentscopy	The "Copy Allowed" option check or not(string)
convertedimagedpi	The dpi of components that are stored as images(int)
fontembedding	The "Embed Font" option check or not(string)
keyword	The value of "Keywords" option(string)
masterpassword	The value of "Permissions Password" option(string)
printable	The "Printing Allowed" option check or not(string)
producer	The value of "Application" option(string)
savecharttoimage	The "Save chart to image" option check or not(string)
subject	The value of "Subject" option(string)
title	The value of "Title" option(string)
userpassword	The value of "Open Password" option(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > PNG

When the report is saved as a PNG file, the format is returned to "png".

attr	Description
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > PPT

When the report is saved as a PPT file, the format is returned to "ppt".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
saveastable	The "Save As Table" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > SVG

When the report is saved as a SVG file, the format is returned to "svg".

attr	Description
convertedimagedpi	The dpi of components that are stored as images(int)
savemultipage	The "MultiPage save as one file" option check or not(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > TEXT

When the report is saved as a TEXT file, the format is returned to "txt".

attr	Description
addseparator	The value of "Insert 1000 separator" option(string)
charset	The value of "Encoding" option(string)
exceptfirstpage	The "Except first page" option check or not(string)
pageline	The value of "Page spacing" option(int)
pagestyle	The value of "Break type" option(string)
pagetitle	The value of "<PAGE>" option(string)
removerange	The line range of "Remove lines" option(string)
saveastable	The "Save As Table" option check or not(string)
separator	The value of "Delimiter" option(string)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > TIF

When the report is saved as a TIF file, the format is returned to "tif".

attr	Description
dpi	The value of "DPI" option(int)
encode	The value of "Encoding" option(string)
height	The value of "Height" option(int)
savemultipage	The "MultiPage save as one file" option check or not(string)
sizemode	The size mode(string)
width	The value of "Width" option(int)
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > XLS

When the report is saved as a XLS file, the format is returned to "xls".

attr	Description
autofit	The "Auto selected" option check or not(string)

attr	Description
autofitheight	The Height of "Auto selected" option(int)
autofitwidth	The Width of "Auto selected" option(int)
convertedimagedpi	The dpi of components that are stored as images(int)
freezepanes_column	The Column of "Freeze panes" option(string)
freezepanes_row	The Row of "Freeze panes" option(int)
matchsubmode	The value of "Page per sheet" option(string)
minimumcellheight	The Height of "Minimum cell size" option(int)
minimumcellwidth	The Width of "Minimum cell size" option(int)
removeblank	The "Remove blank lines between pages" option check or not(string)
removeoption	The value of "Remove line" option(string)
removerange	The line range of "Remove line" option(string)
savebyhtml	The "Save as mht" option check or not(string)
savefont	The Font of "Font" option(string)
savefontsize	The Size of "Font" option(string)
savemode	The value of "Save mode" option(string)

attr	Description
savenumberformat	The format of "Numeric type text convert to number" option(string)
savenumbertype	The "Apply to numeric format label only" option check or not(string)
savetogeneral	The "Convert data to general" option check or not(string)
savetointeger	The "Numeric type text convert to number" option check or not(string)
showgridlines	The "Show gridlines" option check or not(string)
shrinktofit	The "Shrink to fit" option check or not(string)
usesavefont	Whether the Font settings(string)
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Export > XLSX

When the report is saved as a XLSX file, the format is returned to "xlsx".

attr	Description
autofit	The "Auto selected" option check or not(string)
autofitheight	The Height of "Auto selected" option(int)

attr	Description
autofitwidth	The Width of "Auto selected" option(int)
convertedimagedpi	The dpi of components that are stored as images(int)
freezepanes_column	The Column of "Freeze panes" option(string)
freezepanes_row	The Row of "Freeze panes" option(int)
matchsubmode	The value of "Page per sheet" option(string)
minimumcellheight	The Height of "Minimum cell size" option(int)
minimumcellwidth	The Width of "Minimum cell size" option(int)
removeblank	The "Remove blank lines between pages" option check or not(string)
removeoption	The value of "Remove line" option(string)
removerange	The line range of "Remove line" option(string)
savefont	The Font of "Font" option(string)
savefontsize	The Size of "Font" option(string)
savemode	The value of "Save mode" option(string)
savenumberformat	The format of "Numeric type text convert to number" option(string)
savenumbertype	The "Apply to numeric format label only" option check or not(string)

attr	Description
savetogeneral	The "Convert data to general" option check or not(string)
savetointeger	The "Numeric type text convert to number" option check or not(string)
showgridlines	The "Show gridlines" option check or not(string)
shrinktofit	The "Shrink to fit" option check or not(string)
usesavefont	Whether the Font settings(string)
zoom	The value of "Zoom In/Out" option(int)

Reference

For the HTML5 viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > Find

when the user searches for text, "Find" is returned.

attr	Description
checkmatchcase	The "Match case" option check or not(string)
checkword	The "Match whole word only" option check or not(string)
direction	The value of "Direction" option(string)
reportname	The report name(string)

attr	Description
str	The value of "Find what" option(string)

OZUserActionCommand > HideReport

when the user hides the report, "HideReport" is returned.

attr	Description
index	The report index(int). Zero-Based Index
reportname	The report name(string)

OZUserActionCommand > InversePaper

when the user changes the paper orientation, "InversePaper" is returned.

attr	Description
orientation	The paper orientation(string)
reportname	The report name(string)

OZUserActionCommand > Link

When the link script is executed, "Link" is returned.

SetLinkEvent

attr	Description
linktype	The function name(string)
reportname	The report name(string)
tag	The UserTag which will be executed in SetLinkEvent/setLinkEvent(string)
value	The UserValue which will be executed in SetLinkEvent/setLinkEvent(string)

SetLinkExecute

attr	Description
cmd	The command which will be executed in SetLinkExecute/setLinkExecute(string)
linktype	The function name(string)
parameter	The Parameter which will be executed in SetLinkExecute/setLinkExecute(string)
reportname	The report name(string)

SetLinkPostURL

attr	Description
linktype	The function name(string)
postparam	The post parameter which will be executed in SetLinkPostURL/setLinkPostURL(string)

attr	Description
reportname	The report name(string)
target	The Target which will be executed in SetLinkPostURL/setLinkPostURL(string)
url	The URL which will be executed in SetLinkPostURL/setLinkPostURL(string)

SetLinkRepository

attr	Description
linktype	The function name(string)
mode	The file execution mode which will be executed in SetLinkRepository/setLinkRepository(string)
reportname	The report name(string)
url	The RepositoryFileURL which will be executed in SetLinkRepository/setLinkRepository(string)

SetLinkServer

attr	Description
linktype	The function name(string)
reportname	The report name(string)
server	The ServerIP which will be executed in SetLinkServer/setLinkServer(string)

attr	Description
port	The PortNumber which will be executed in SetLinkServer/setLinkServer(int)

SetLinkServlet

attr	Description
linktype	The function name(string)
reportname	The report name(string)
url	The ServletURL which will be executed in SetLinkServlet/setLinkServlet(string)

SetLinkToc

attr	Description
linktype	The name of link function(string)
reportname	The report name(string)
tag	The TocPath which will be executed in SetLinkToc/setLinkToc(string)

SetLinkURL

attr	Description
linktype	The name of link function(string)
reportname	The report name(string)
target	The Target which will be executed in SetLinkURL/setLinkURL(string)

attr	Description
url	The URL which will be executed in SetLinkURL/setLinkURL(string)

OZUserActionCommand > Mail

when the user sends the report by oz mail, "Mail" is returned.

attr	Description
bcc	The value of "Bcc" option(string)
cc	The value of "Cc" option(string)
code	The result code(string)
contents	The value of "Content" option(string)
filename	The value of "Attach files" option(string)
from	The value of "To" option(string)
sendto	The value of "Sender" option(string)
title	The value of "Subject" option(string)

OZUserActionCommand > MakeTemplate

When the oz viewer creates a report template, "MakeTemplate" is returned.

attr	Description
reportname	The report name(string)
state	The state(string)

OZUserActionCommand > MoveComp

when the user moves the position of the component, "MoveComp" is returned.

attr	Description
compindex	The component index(int). One-Based Index
compname	The component name(string)
comptype	The component type(string)
height	The height of component(float)
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index
reportname	The report name(string)
width	The width of component(float)
xpos	The X coordinate of the component(float)
ypos	The Y coordinate of the component(float)

OZUserActionCommand > MovePage

when the user moves the page, "MovePage" is returned.

attr	Description
direction	The direction of movement of the page(string)
index	The page index(int)
reportname	The report name(string)

OZUserActionCommand > MoveReport

when the user moves the report, "MoveReport" is returned.

attr	Description
index	The report index(int). Zero-Based Index
reportname	The report name(string)

OZUserActionCommand > MultiPrint

when the user print the multi-report, "MultiPrint" is returned.

attr	Description
adjust	The value of "Adjust printing scale" option(string)
code	The result code(string)

attr	Description
collate	The value of "Collate" option(string)
copies	The value of "Copies" option(string)
dividepage	The value of "Print divide" option(string)
drivename	The printer driver name(string)
duplex	The value of "Printing on Both sides" option(string)
gray	The value of "Print to gray" option(string)
handout	The value of "Handouts" option(string)
handoutorder	The value of "Order" option(string)
handoutorientation	The value of "Orientation" option(string)
handoutpage	The value of "Pages per paper" option(int)
orientation	The value of "Paper orientation" option(string)
pageindex	The index of current page(int)
papersize	The value of "Target paper" option(string)
printername	The printer name(string)
printinfo	The information of printed report(Array)

attr	Description
printrange	The value of "Print range" option(string)
printtofile	The value of "Print to file" option(string)
reportname	The report name(string)
trayname	The value of "Paper feed" option(string)
usespooleachcopy	The value of "Use spool by each copy" option(string)
zoom	The value of "Zoom In/Out" option(int)

Reference

The options that are not supported by the print dialog box for each OZ Viewer is returned to its default value.

OZUserActionCommand > Open

when the user opens the ozd file, "Open" is returned.

attr	Description
code	The result code(string)
filename	The OZD file name(string)
path	The OZD file path(string)

Reference

For the HTML5 viewer, an empty value is returned for "path".

OZUserActionCommand > PageSetup

when the user changes the page settings, "PageSetup" is returned.

attr	Description
autoadjustmargin	The value of "Auto adjust margin" option(string)
bottommargin	The bottom margin(string). The unit is pt.
leftmargin	The left margin(string). The unit is pt.
pagesetup_unit	The value of "Unit" option(string)
reportname	The report name(string)
rightmargin	The right margin(string). The unit is pt.
topmargin	The top margin(string). The unit is pt.
usedefaultmargin	The value of "Use Default" option(string)

OZUserActionCommand > Parameter

when the user inputs parameters, "Parameter" is returned.

attr	Description
parameter	The parameter value(Array)
reportname	The report name(string)

OZUserActionCommand > Print

when the user prints the report, "Print" is returned.

attr	Description
adjust	The value of "Adjust printing scale" option(string)
code	The result code(string)
collate	The value of "Collate" option(string)
copies	The value of "Copies" option(string)
dividepage	The value of "Print divide" option(string)
drivename	The printer driver name(string)
duplex	The value of "Printing on Both sides" option(string)
gray	The value of "Print to gray" option(string)
handout	The value of "Handouts" option(string)
handoutorder	The value of "Order" option(string)

attr	Description
handoutorientation	The value of "Orientation" option(string)
handoutpage	The value of "Pages per paper" option(int)
orientation	The value of "Paper orientation" option(string)
pageindex	The index of current page(int)
papersize	The value of "Target paper" option(string)
printrname	The printer name(string)
prinrange	The value of "Print range" option(string)
printtofile	The value of "Print to file" option(string)
reportname	The report name(string)
trayname	The value of "Paper feed" option(string)
usespooleachcopy	The value of "Use spool by each copy" option(string)
zoom	The value of "Zoom In/Out" option(int)

Reference

The options that are not supported by the print dialog box for each OZ Viewer is returned to its default value.

OZUserActionCommand > PrintableComp

when the user changes printable status, "PrintableComp" is returned.

attr	Description
compindex	The component index(int). One-Based Index
compname	The component name(string)
comptype	The component type(string)
reportindex	The page index(int). One-Based Index
reportname	The report index(int). Zero-Based Index
reportname	The report name(string)
state	The printable status(string)

OZUserActionCommand > Refresh

when the user refreshes the report, "Refresh" is returned.

attr	Description
hhmmss	The refresh interval(string)
reportname	The report name(string)
type	The refresh type(string)

OZUserActionCommand > RemoveComp

when the user deletes memo and callout shape, "RemoveComp" is returned.

attr	Description
compname	The component name(string)
comptype	The component type(string)
reportname	The report name(string)

OZUserActionCommand > RequestData

When the oz viewer requests data to the oz server, "RequestData" is returned.

attr	Description
reportname	The report name(string)
state	The request state(string)

OZUserActionCommand > RequestForm

When the oz viewer requests for form file to the oz server, "RequestForm" is returned.

attr	Description
reportname	The report name(string)
state	The request state(string)

OZUserActionCommand > ReusableSign

ReusableSign, an OZUserActionCommand type, occurs when you add a signature by using the import function and then finish filling in the signature, without making any modifications.

attr	Description
compname	The component name(string)
reportindex	The report index(int). Zero-Based Index
reportname	The report name(string)

OZUserActionCommand > SaveAsAudio

SaveAsAudio is a type of OZUserActionCommand. When a recorded content is saved as an audio file, SaveAsAudio is returned with the following attr.

attr	Description
compname	The component name(string)
filename	The file name(string)
path	The save path(string)
reportname	The report name(string)

Reference

For the HTML5JS viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > SaveAsImage

when the user click [Save image as] pop-up menu in viewer window, "SaveAsImage" is returned.

attr	Description
compname	The component name(string)
filename	The file name(string)
path	The save path(string)
reportname	The report name(string)

Reference

For the HTML5JS viewer, an empty value is returned for the "filename" and "path".

OZUserActionCommand > ScreenTool

when the user changes the screen tool, "ScreenTool" is returned.

attr	Description
mainscreen	Whether the screen whose viewer mode is changed is the main screen(string)
reportname	The report name(string)
screentool	The screen tool(string)

Reference

If the viewer is not a multi-screen environment, the mainscreen parameter is always returned as true.

OZUserActionCommand > ScrollReport

When the scroll is moved, "ScrollReport" is returned.

attr	Description
horizontalscroll_status	Horizontal scroll status(string)
reportname	The report name(string)
verticalscroll_status	Vertical scroll status(string)

Reference

This occurs when the user changes the scroll and the scroll is automatically changed due to other operations.

OZUserActionCommand >

ScrollToCenter_at_CommentMode

ScrollToCenter_at_CommentMode is a type of OZUserActionCommand. When you double-click on an area other than input components in the main screen when in the comments mode, the center position of the sub-screen moves to the position of the double-clicked area in the main screen. This triggers the ScrollToCenter_at_CommentMode event. The event returns the following attr.

attr	Description
pageindex	The page index(int). One-Based Index

attr	Description
reportindex	The report index(int). Zero-Based Index
xpos	The X coordinate of the component(float)
ypos	The Y coordinate of the component(float)

OZUserActionCommand >

ScrollToCenter_at_GuideMode

ScrollToCenter_at_GuideMode is a type of OZUserActionCommand. When you double-click on an area other than input components in the main screen when in the guide mode, the center position of the sub-screen moves to the position of the double-clicked area in the main screen. This triggers the ScrollToCenter_at_GuideMode event. The event returns the following attr.

attr	Description
pageindex	The page index(int). One-Based Index
reportindex	The report index(int). Zero-Based Index
xpos	The X coordinate of the component(float)
ypos	The Y coordinate of the component(float)

OZUserActionCommand > SearchParameter

when the user refresh the report using the parameter toolbar, "SearchParameter" is returned.

attr	Description
Action	The refresh type(string)
fieldname	The field name(string)
odiname	The ODI name(string)
reportname	The report name(string)
value	The field value(string)

OZUserActionCommand > SelectComp

when the user clicks on the component or selects a component by a drag-and-drop, "SelectComp" is returned.

attr	Description
changeable	Whether component is changeable(string)
compname	The component name(string)
comptype	The component type(string)
editable	Whether component is editable(string)
height	The height of component(float)
movable	Whether component is movable(string)

attr	Description
reportname	The report name(string)
selecttype	The selection type(string)
width	The width of component(float)
xpos	The X coordinate of the component(float)
ypos	The Y coordinate of the component(float)

Reference

If a component is selected by finding or TOC link, the SelectComp does not occur.

If the multi-components are selected at a time by the drag and drop, the OZUserActionCommand event will occur at the same time.

OZUserActionCommand > ShowReport

when the user hides the report, "ShowReport" is returned.

attr	Description
index	The report index(int). Zero-Based Index
reportname	The report name(string)

OZUserActionCommand > Toc

when the user selects contents in the report tree, "Toc" is returned.

attr	Description
reportname	The report name(string)
toclevel	The TOC level(int)
tocname	The TOC name(string)

OZUserActionCommand > Tree

when the user selects the report in the report tree, "Tree" is returned.

attr	Description
reportname	The report name(string)

OZUserActionCommand > Zoom

when the user changes the zoom ratio, "Zoom" is returned.

attr	Description
pagedisplay	The page display option(string)
reportname	The report name(string)
viewmode	The view mode(string)
zoom	The zoom type(string)
zoomvalue	The zoom ratio(int)

OZUserEvent

This event occurs after running the _TriggerOCXUserEvent function.

Parameters

param1	The first parameter to pass to _TriggerOCXUserEvent
param2	The second parameter to pass to _TriggerOCXUserEvent
param3	The third parameter to pass to _TriggerOCXUserEvent
docindex	Report index(zero-based index)

Viewer Dialog Box

This chapter describes the Viewer dialog boxes.

Save Dialog Box

Sets the save options.

Save as types

Sets the file format.

Destination

Selects whether to save the file in the local computer or email it.

Disk File

Save to the user's computer.

Mail

Send the saved file to a mail program of the user's computer.

OZ Mail

Send the saved file to the oz mail program.

Save to

Sets the file name and the path to be saved.

Option

Sets the options that are supported for each file type.

Page Setting Rules by File Type

The page setting rules are as follows:

- PDF, DOCX, HWP, HWPX, ODT: Each page is applied to each page.
- XLS: If it is not in the mht format, then the first saved page on the first sheet is applied to all sheets. If it is in the mht format, the first saved page on each sheet is applied to each one.
- XLSX, PPT, HML: The first page is applied to all pages.
- DOC: If it is not in the xml format, the first page is applied to all pages. If it is in the xml format, each page is applied to each one.
- Other formats: Irrelevant to this rule.

CSV/Text Save Option Dialog Box

Sets the CSV/Text save options.

Field delimiter

Sets the field delimiter.

Delimiter

Selects the column delimiter.

tab: tab

space: space

|: |

/: /

~: ~

comma: comma

empty: empty

Other: Any other value

User define

Manually enter characters for delimiters not listed in the Delimiter drop-down menu.

Page number break

Sets the field delimiter.

Break type

Sets the page number break format.(n: page number)

None: Save without page separator.

n <PAGE>: n <PAGE>

n <PAGE> ---: n <PAGE> ---

--- n <PAGE>: --- n <PAGE>

<PAGE> n: <PAGE> n

<PAGE> n ---: <PAGE> n ---

--- <PAGE> n ---: <PAGE> n

<PAGE>

Enters statements to be displayed instead of '<PAGE>'.

Page spacing

Inserts blank lines to distinguish each page. Blank lines are inserted below the lines containing page numbers.

Remove lines

Sets line removal.

Remove lines

Specifies the line or range of lines in the pages to be removed and not saved.

Except first page

Sets whether or not to exclude removing lines in the first page when removing lines is set.

Numeric data

Sets to save as CSV or TXT files placing oriented comma delimiter every 3 characters.

Insert 1000 separator

Place oriented comma delimiter every 3 characters.

Delete 1000 separator

Remove oriented comma delimiter every 3 characters.

Save mode

Sets the saving method.

Save As Table

When saving table, crosstab, and fixed table components as a CSV or TXT file, defines whether to save to split the merged label. The text is applied to the label in the upper left corner of the divided label. The text of the other label is blank.

Encoding

Sets the encoding type.

ANSI: ANSI

Unicode: Unicode

Default Options Dialog Box

Sets the default options.

Save mode

Sets whether to save multiple page reports as one page or page by page.

Save one page

Allows to bind the report to one page and save it. For example, this option can be used to avoid having one crosstab table split into several pages.

Save by page

Allows to bind the report in each page and save it.

Execute

Sets whether to execute the exported file.

Execute after save

Executes the exported result file with a connected program.

Save

Sets whether to save multiple reports individually or as a single file.

Save as one file

For Multi reports, save each report to one file. When saving as one file, the save option is applied as the value set in the first report.

Save all document

For Multi reports, save each report to each file.

Save range

Sets the page area to be saved.

All

Saves all pages of the report.

Current page

Saves the current page of the report.

Selection

Saves only the selected pages. The EXE Viewer saves the pages selected using the checkboxes in the thumbnail or the page sorter window, while the HTML Viewer in the PC environment only saves the pages selected in the [Select pages] window. Other viewers are not supported.

Pages

Saves only the pages that Sets the page range. The starting page number or the ending page number can be omitted in the page range. For example, if the page range of a five-page report is set to "2-", the saving range will be from pages two to five.

Save components

Selects the components to be saved.

Save link

Sets whether to save including the link information.

URL link

Saves the URL link.

Toc link

Saves the Toc link.

Compress on save

Saves the compressed files. You can protect a compressed file with a password.

Excel Save Option Dialog Box

Sets the Excel save options.

Auto Select

Sets the page scale to Auto Fit.

Auto Selected

Sets the "Fit to" option of Excel's Page Setup dialog box.

Width

Sets the "page(s) wide by" option of Excel's Page Setup dialog box.

Height

Sets the "tall" option of Excel's Page Setup dialog box.

Display option

Sets the display options for Excel.

Show gridlines

Shows gridlines on a worksheet.

Text control

Sets the text adjustment options.

Shrink to fit

Sets the "Shrink to fit" option of Excel's Format Cells dialog box.

Ratio

Sets the zoom ratio.

Zoom In/Out

Sets the worksheet magnification.

Freeze panes

Sets freeze panes.

Row

Sets the "Freeze Top Row" option of a worksheet.

Column

Sets the "Freeze First Column" option of a worksheet.

Save mode

Sets the saving method.

Keep the report form

Saves the report reflecting its original format and property as much as possible.

Ignore color, border, merge cell

Saves as a simple list like saving text. It is suitable for saving the report in the list or table format.

Remove adjacent cell after dividing: After splitting the merged label, removes surrounding cells.

Save type

Sets the save type.

Column pages per sheet

Each page in the same column is saved as a single Excel sheet in "Page coordinate window".

Page per sheet

Each page is saved as an individual Excel sheet.

Column first: Saves each page in OZ Viewer with column direction priority in the "Page coordinate window".

Row first: Saves each page in OZ Viewer with row direction priority in the "Page coordinate window"

Page

Sets the page.

Remove blank lines between pages

Removes blanks between the pages in the report and saves the report without margin.

Font

Sets the font and font size.

Font

Sets the font name that will be applied to the entire XLS file when it is exported. If the option is not selected, the font name of each component will be used.

Size

Sets the font size that will be applied to the entire XLS file when it is exported. If the option is not selected, the font size of each component will be used.

Line

Sets the line.

Remove line

Defines to save each page except for the designated line.

Except first page

Removes lines excluding the first page of the report.

Only first page

Removes lines only in the first page.

All Pages

Removes lines in all pages.

Format

Sets the cell format.

Numeric type text convert to number

Converts numerical characters to numbers and saves it, and sets the formats of the corresponding cells.

Apply to numeric format label only: Converts to numbers only if label values are in numerical type.

Convert date format text to date and time

Convert the cell format to date type if the value of the Format property of the Label or DateTimePicker is a date format. At this time, the category of cell formatting is automatically selected as the category recognized by the Excel program (Date, Time, Custom).

Convert data to general

Converts the display format of the cell to General.

Minimum Cell Size

Sets the minimum cell size.

Width

Enters the minimum cell width. When saving a report label into an Excel's cell, and if the cell width is smaller than this value it will merge with the cell on the right side.

Height

Enters the minimum cell height. When saving a report label into an Excel's cell, and if the cell height is smaller than this value it will merge with the lower cell.

Save Format

Sets the save format.

Save as mht

Saves to XLS file in the mht format. This option is supported in the format of "Microsoft Excel 97-2003 File(*.xls)". If you open the mht format file in Microsoft Office Excel 2007, you will receive a warning message. The warning message is "The file format differs from the format that the file name extension specifies". For more details, please refer to <http://support.microsoft.com/kb/948615/en>.

GIF Save Option Dialog Box

Sets the GIF save options.

Save Ratio

Sets the zoom ratio.

Zoom In/Out

Sets the zoom ratio of GIF images.

GUL Save Option Dialog Box

Sets the GUL save options.

Table Save Mode

Sets whether to save tables, crosstabs, or fixed tables as a table in GUL.

Save As Table

Defines whether to save table and crosstab components in the table format of GUL files when saving the file as a GUL file.

HDM Save Option Dialog Box

Sets the HDM save options.

It is a feature that saves all data added to the data tree of the report in text format. Therefore, according to the situation, the data is not displayed on the OZ Viewer can be saved. If you've enabled this feature, please consider these points at the report design time.

Save type

Sets the save type.

Delimiter

Selects the column delimiter.

tab: tab

space: space

|: |

/: /

~: ~

comma: comma

Other: Any other value

User define

Manually enter characters for delimiters not listed in the Delimiter drop-down menu.

Use indentation

If the structure of the dataset is master-detail, the detail data makes an indentation.

Save To

Sets the file name and the path to be saved.

Save mode

Sets the saving method.

Encoding

Sets the encoding type.

ANSI: ANSI

Unicode: Unicode

HML Save Option Dialog Box

Sets the HML save options.

Table save mode

Sets whether to save tables, crosstabs, or fixed tables as a table in HML.

Save As Table

Defines whether to save table and crosstab components in the table format of HML files when saving the file as an HML file.

HTML Save Option Dialog Box

Sets the HTML save options.

Set font size

Sets the font size which applies to all texts when saving as an HTML file.

Save image to

Sets the location where the image files contained in HTML are stored.

Page spacing

Sets the page spacing.

Lines / Horizontal

Sets the horizontal line count between pages.

Lines / Vertical

Sets the vertical line count between pages.

Offset

Sets the offset.

Offset / X axis

Sets the X coordinates.

Offset / Y axis

Sets the Y coordinates.

Save mode

Sets the saving method.

Save each page to different file

Selects whether to save each page to a different file or save all pages to one file.

Encoding

Sets the encoding type.

ANSI: ANSI

Unicode: Unicode

UTF-8: UTF-8

Page

Sets the page title.

Title

Sets the page title of the HTML file.

Version

Sets the HTML version.

HTML Version

Sets the HTML version.

None: Does not Sets the HTML version. If the version of the HTML is not defined, the report is aligned to the left.

4.01: Sets the HTML version to 4.01. If set to 4.01, the report is centered.

Restriction

Sets a password to use when the user opens an HTML file. When you open an HTML file in which the password is set, the Web page for inputting a password runs. The report is displayed when the password matches. The files exported as images are not encrypted. To change the

Web page that receives passwords to suit the customer's environment, design a template page for customers and set the template page path in the html.templatepath parameter value.

HWP Save Option Dialog Box

Sets the HWP save options.

Table save mode

Sets whether to save tables, crosstabs, or fixed tables as a table in HWP.

Save As Table

Defines whether to save the table and crosstab components in the table format of HWP files when saving the file as an HWP file.

Label save mode

Sets the label save mode.

Keep label size

Fixes the size of the label saved in HWP. If Keep label size is checked, then the [Size] option in the [Basic] tab of the [Properties] menu in HWP is checked.

Location save mode

Sets the location save mode.

From the paragraph

Sets the label or table location save mode to vertical as paragraph.

Band save mode

Sets the band save mode.

Save background band to background page

Defines whether to save the background band of the report as the background of the hangul file when exporting the HWP file. If you set the background band for each page in the report, the background band which is set in the first page of the background of the Hangul file will be repeatedly displayed in the next pages.

Save page header/footer band to header/footer

Defines whether to save the page header/footer band of a report into the header/footer of hangul. When a report has a label showing the page number in the page header or footer band, if you save only the specific pages of the report as hangul with the "Save page header/footer band to header/footer" option, the page number in hangul starts from 1 and the total pages is the number of all the pages of the report, not the number of saved pages.

JPG Save Option Dialog Box

Sets the JPG save options.

Save Ratio

Sets the zoom ratio.

Zoom In/Out

Sets the zoom ratio of JPG images.

Compression

Sets the compression quality.

Quality

Sets the compression ratio of JPG images.

MHT Save Option Dialog Box

Sets the MHT save options.

Font

Sets the font and font size.

Font

Sets the font name that will be applied to the entire MHT file when it is exported. If the option is not selected, the font name of each component will be used.

Size

Sets the font size that will be applied to the entire MHT file when it is exported. If the option is not selected, the font size of each component will be used.

Restriction

Sets a password to use when the user opens an MHT file. When you open an MHT file in which a password is set, the Web page for inputting a password runs. The report is displayed when the password matches. The text in the MHT file is encrypted and the image data in the MHT file is not encrypted. To change the Web page for inputting a password to fit the customer's environment, create a template page for the customer and set the value of the mht.templatepath parameter to the template page path.

OZD Save Option Dialog Box

Sets the OZD save options.

Password

Enters the password to open the ozd file.

Confirm

Confirms the password.

Include edits

Selects whether to save the OZD file, including memos, comments, callout shapes, text edits, and input component values. When you open the OZD file that changed text in the viewer, the original text is applied to the script in all of the events that occur before the OnEndBind event, and the changed text is applied to the script in all of the events that occur after the OnEndBind and OnEndBind events. Therefore, please take caution if you used text as a conditional statement. In addition, if you change text using the SetText() function in the OnEndBind event, the text is applied to the specified value of the SetText() function.

Save all reports

Selects whether to save multiple reports as one OZD file when calling the OZ Viewer as multiple report type.

Include image

Selects whether to include the image specified in the url path. This option also applies to the note specified in the url path.

PDF Save Option Dialog Box

Sets the PDF save options.

Description

Sets the PDF document properties.

Title

Enter the title of the PDF file.

Author

Enter the author of the PDF file.

Subject

Enter the subject of the PDF file.

Keywords

Enter the keywords of the PDF file.

Application

Enter the application of the PDF file.

Open Restriction

Sets the password to open.

Editing Restriction

Sets the password to edit.

User access permissions

Sets whether users can print, copy, or change PDF documents.

Printing Allowed

Selects whether to allow to print the exported PDF file. If this option is not checked, the print menu and icon are disabled.

Copy Allowed

Selects whether to allow to copy the text of the exported PDF file. If this option is not checked, the copy menu and icon are disabled.

Changes Allowed

Selects whether to allow to change the exported PDF file. You can see this option in the Security tab of the Document Properties dialog box.

Save chart to image

Sets to save the chart as an image.

Embed Fonts

Sets to save including the fonts used in the report. You can only include fonts whose type is TrueType and do not have any copyright issues. In addition, in the Android/iOS viewer, you must include the font in the mobile app. If you check this option, the file size may be increased. Therefore, note the font settings when developing reports. The embedded fonts are displayed in the "OZ-FontName (Embedded)" format in the Fonts tab of the Document Properties dialog box (e.g. "OZ-Verdana (Embedded)").

PNG Save Option Dialog Box

Sets the PNG save options.

Save Ratio

Sets the zoom ratio.

Zoom In/Out

Sets the zoom ratio of PNG images.

PowerPoint Save Option Dialog Box

Sets the PowerPoint save options.

Table save mode

Sets whether to save tables, crosstabs, or fixed tables as a table in PowerPoint.

Save As Table

Defines whether to save table and crosstab components in the table format of a PPT file when saving the file as a PPT file.

SVG Save Option Dialog Box

Sets the SVG save options.

Save Option

Sets the save option.

MultiPage save as one file

Saves all pages of the report in one file. If you do not check this option, the report is saved as a separate file for each page. If you check this option, page borders are displayed per page and the vertical gap is added between pages. Also, the report of a structure that extends in the horizontal direction is saved and listed in the vertical direction.

TIFF Save Option Dialog Box

Sets the TIFF save options.

Encoding

Sets the encoding type.

G3

Sets the G3 type.

G4

Sets the G4 type.

JPG

Sets the JPG type.

Save Option

Sets the save option.

MultiPage save as one file

Sets whether to save all pages of the report in one file. If you do not check this option, the report is saved as a separate file for each page.

Ratio

Sets the zoom ratio.

Zoom In/Out

Sets the zoom ratio.

Size

Sets the size of the file to the specified size.

Width

Sets the width.

Height

Sets the height.

Set size by DPI

Sets the size of the file to the specified DPI.

DPI

Sets the DPI.

Word Save Option Dialog Box

Sets the Word save options.

Word save mode

Sets the Word saving method.

Save As XML

Defines whether to save as Word files in the XML format. If Word is not installed on your PC, please check this option.

Table save mode

Sets whether to save tables, crosstabs, or fixed tables as a table in Word.

Save As Table

Defines whether to save table and crosstab components in the table format of the Word file when saving the file as a Word file. When saving in the table format, images in tables and crosstabs are not saved.

Band save mode

Sets the band save mode.

Save page header/footer band to header/footer

Saves the content displayed in the page header/footer band as the header/footer in Word.

Print Dialog Box

Sets the print options.

Printer

Sets the printer information.

Name

Selects a printer driver to use among printer drivers installed in the user's PC.

Print to file

Sets to save a document to a file instead of printing it to printer.

Paper orientation

Sets the paper orientation.

Portrait

Sets the paper orientation to portrait.

Landscape

Sets the paper orientation to landscape.

Multi reports

Sets whether to print all reports.

Print all document

Prints all reports of a multi report.

Copies

Sets the copies.

Copies

Sets the number of copies to be printed.

Collate

Selects whether to print the entire document first and repeat them for multiple times or print the same pages multiple times and move on to the next pages.

Use Spool by each copy

Defines whether to use the spool option when printing more than two copies.

Print range

Sets the print range.

All

Prints all pages of the report.

Current page

Prints the page currently displayed.

Selection

Prints only the selected pages. The EXE Viewer prints the pages selected using the checkboxes in the thumbnail or the page sorter window, while the HTML Viewer in the PC environment only prints the pages selected in the [Select pages] window. Other viewers are not supported.

Pages

Prints pages set by the user. The starting page number or the ending page number can be omitted in the page range. For example, if the page range of a five-page report is set to "2-", the printing range will be from pages two to five.

Change paper size

Sets the paper size.

Current paper

Shows the paper size settings when designing report forms.

Target paper

Selects the output paper. When a multi report is bound as a report, it would be displayed as By Report(Paper size of report1,Paper size of report2, ...,Paper size of reportn) and the output direction will be inactivated. For example, By Report(A4,A3).

Adjust printing scale

Prints according to paper settings. When printing according to paper settings and the designed report paper type and output paper are different and a horizontal or vertical margin remains, it would be adjusted to the center and printed.

Print Option Dialog Box

Sets the additional print options.

Color/Black and White

Sets the printing method.

Print to gray

Print as Black and White.

Printing by page

Prints a report bound as large bundle by each page.

Printing on Both sides

Sets the duplex. If you do not Sets the value, follow the option values set in the printer.

None

Do not print on both sides of the paper.

Long Edge Binding

Print using long edge binding when printing on both sides.

Short Edge Binding

Print using short edge binding when printing on both sides.

Print Out Zooming

Sets the print zoom ratio.

Zoom In/Out

Sets the zoom ratio.

Pages per spool

Sets the page number for spooling.

Paper Selection

Sets the paper selection.

Paper feed

Select the box that printing will be executed.

Divide

Sets the print divide.

Print divide

Prints divided according to the paper.

Handouts

Executes printout in one page.

Pages per paper

Sets the number of pages to be printed in one paper.

Order

Selects the printing order that could be either vertical or horizontal when printing 4 pages in one paper.

Orientation

Selects the printing orientation that could be either vertical or horizontal when printing 2 pages in one paper.

Page Setup Dialog Box

Sets the page setup options.

Margin

Sets the top and left page margin. To set the right and bottom margin, check the Auto adjust margin option.

Unit

Sets the measurement unit for margins.

Margin Option

Sets the margin option.

Use Default

Sets to the default margin value.

Auto adjust margin

Sets the auto-adjust page margin. If you change the margin when this option was checked, the report is auto-resized. Margins for all directions other than the changed direction are auto-adjusted.

Reference

This chapter describes the language and country code and the timezone code.

Language and Country Code

Language and Country Code	Display Name	ISO 639x Value
af_AZ	Afrikaans - South Africa	AFK
sq_AL	Albanian - Albania	SQI
ar_DZ	Arabic - Algeria	ARG
ar_BH	Arabic - Bahrain	ARH
ar_EG	Arabic - Egypt	ARE
ar_IQ	Arabic - Iraq	ARI
ar_JO	Arabic - Jordan	ARJ
ar_KW	Arabic - Kuwait	ARK
ar_LB	Arabic - Lebanon	ARB
ar_LY	Arabic - Libya	ARL
ar_MA	Arabic - Morocco	ARM
ar_OM	Arabic - Oman	ARO
ar_QA	Arabic - Qatar	ARQ

Language and Country Code	Display Name	ISO 639x Value
ar_SA	Arabic - Saudi Arabia	ARA
ar_SY	Arabic - Syria	ARS
ar_TN	Arabic - Tunisia	ART
ar_AE	Arabic - United Arab Emirates	ARU
ar_YE	Arabic - Yemen	ARY
hy_AM	Armenian - Armenia	
eu_ES	Basque - Basque	EUQ
be_BY	Belarusian - Belarus	BEL
bg_BG	Bulgarian - Bulgaria	BGR
ca_ES	Catalan - Catalan	CAT
zh_CN	Chinese - China	CHS
zh_HK	Chinese - Hong Kong SAR	ZHH
zh_MO	Chinese - Macau SAR	
zh_SG	Chinese - Singapore	ZHI
zh_TW	Chinese - Taiwan	CHT

Language and Country Code	Display Name	ISO 639x Value
zh_CHS	Chinese (Simplified)	
zh_CHT	Chinese (Traditional)	
hr_HR	Croatian - Croatia	HRV
cs_CZ	Czech - Czech Republic	CSY
da_DK	Danish - Denmark	DAN
div_MV	Dhivehi - Maldives	
nl_BE	Dutch - Belgium	NLB
nl_NL	Dutch - The Netherlands	
en_AU	English - Australia	ENA
en_BZ	English - Belize	ENL
en_CA	English - Canada	ENC
en_CB	English - Caribbean	
en_IE	English - Ireland	ENI
en_JM	English - Jamaica	ENJ
en_NZ	English - New Zealand	ENZ

Language and Country Code	Display Name	ISO 639x Value
en_PH	English - Philippines	
en_ZA	English - South Africa	ENS
en_TT	English - Trinidad and Tobago	ENT
en_GB	English - United Kingdom	ENG
en_US	English - United States	ENU
en_ZW	English - Zimbabwe	
et_EE	Estonian - Estonia	ETI
fo_FO	Faroese - Faroe Islands	FOS
fa_IR	Farsi - Iran	FAR
fi_FI	Finnish - Finland	FIN
fr_BE	French - Belgium	FRB
fr_CA	French - Canada	FRC
fr_FR	French - France	
fr_LU	French - Luxembourg	FRL
fr_MC	French - Monaco	

Language and Country Code	Display Name	ISO 639x Value
fr_CH	French - Switzerland	FRS
gl_ES	Galician - Galician	
ka_GE	Georgian - Georgia	
de_AT	German - Austria	DEA
de_DE	German - Germany	
de_LI	German - Liechtenstein	DEC
de_LU	German - Luxembourg	DEL
de_CH	German - Switzerland	DES
el_GR	Greek - Greece	ELL
gu_IN	Gujarati - India	
he_IL	Hebrew - Israel	HEB
hi_IN	Hindi - India	HIN
hu_HU	Hungarian - Hungary	HUN
is_IS	Icelandic - Iceland	ISL
id_ID	Indonesian - Indonesia	

Language and Country Code	Display Name	ISO 639x Value
it_IT	Italian - Italy	
it_CH	Italian - Switzerland	ITS
ja_JP	Japanese - Japan	JPN
kn_IN	Kannada - India	
kk_KZ	Kazakh - Kazakhstan	
kok_IN	Konkani - India	
ko_KR	Korean - Korea	KOR
ky_KZ	Kyrgyz - Kazakhstan	
lv_LV	Latvian - Latvia	LVI
lt_LT	Lithuanian - Lithuania	LTH
mk_MK	Macedonian (FYROM)	MKD
ms_BN	Malay - Brunei	
ms_MY	Malay - Malaysia	
mr_IN	Marathi - India	
mn_MN	Mongolian - Mongolia	

Language and Country Code	Display Name	ISO 639x Value
nb_NO	Norwegian (Bokmål) - Norway	
nn_NO	Norwegian (Nynorsk) - Norway	
pl_PL	Polish - Poland	PLK
pt_BR	Portuguese - Brazil	PTB
pt_PT	Portuguese - Portugal	
pa_IN	Punjabi - India	
ro_RO	Romanian - Romania	ROM
ru_RU	Russian - Russia	RUS
sa_IN	Sanskrit - India	
sk_SK	Slovak - Slovakia	SKY
sl_SI	Slovenian - Slovenia	SLV
es_AR	Spanish - Argentina	ESS
es_BO	Spanish - Bolivia	ESB
es_CL	Spanish - Chile	ESL
es_CO	Spanish - Colombia	ESO

Language and Country Code	Display Name	ISO 639x Value
es_CR	Spanish - Costa Rica	ESC
es_DO	Spanish - Dominican Republic	ESD
es_EC	Spanish - Ecuador	ESF
es_SV	Spanish - El Salvador	ESE
es_GT	Spanish - Guatemala	ESG
es_HN	Spanish - Honduras	ESH
es_MX	Spanish - Mexico	ESM
es_NI	Spanish - Nicaragua	ESI
es_PA	Spanish - Panama	ESA
es_PY	Spanish - Paraguay	ESZ
es_PE	Spanish - Peru	ESR
es_PR	Spanish - Puerto Rico	ES
es_ES	Spanish - Spain	
es_UY	Spanish - Uruguay	ESY
es_VE	Spanish - Venezuela	ESV

Language and Country Code	Display Name	ISO 639x Value
sw_KE	Swahili - Kenya	
sv_FI	Swedish - Finland	SVF
sv_SE	Swedish - Sweden	
syr_SY	Syriac - Syria	
ta_IN	Tamil - India	
tt_RU	Tatar - Russia	
te_IN	Telugu - India	
th_TH	Thai - Thailand	THA
tr_TR	Turkish - Turkey	TRK
uk_UA	Ukrainian - Ukraine	UKR
ur_PK	Urdu - Pakistan	URD
vi_VN	Vietnamese - Vietnam	VIT

TimeZone Code

ACT	Australia/Adelaide
	Australia/Broken_Hill
	Australia/Darwin
AET	Antarctica/DumontDUrville
	Australia/Brisbane
	Australia/Hobart
	Australia/Lord_Howe
	Australia/Sydney
	Pacific/Guam
	Pacific/Port_Moresby
	Pacific/Saipan
	Pacific/Truk
AGT	America/Buenos_Aires
	America/Cayenne

	America/Montevideo
	America/Paramaribo
ART	Africa/Cairo
	Africa/Tripoli
	Asia/Amman
	Asia/Beirut
	Asia/Damascus
	Asia/Jerusalem
	Asia/Nicosia
AST	America/Anchorage
	Pacific/Gambier
	Pacific/Marquesas
BET	America/Fortaleza
	America/Godthab
	America/Miquelon
	America/Sao_Paulo

BST	Asia/Almaty
	Asia/Bishkek
	Asia/Dacca
	Asia/Novosibirsk
	Asia/Rangoon
	Asia/Thimbu
	Asia/Yekaterinburg
	Indian/Chagos
	Indian/Cocos
CAT	Africa/Blantyre
	Africa/Bujumbura
	Africa/Gaborone
	Africa/Harare
	Africa/Johannesburg
	Africa/Khartoum
	Africa/Kigali

	Africa/Lubumbashi
	Africa/Lusaka
	Africa/Maputo
	Africa/Maseru
	Africa/Mbabane
CNT	America/St_Johns
CST	America/Belize
	America/Chicago
	America/Costa_Rica
	America/El_Salvador
	America/Guatemala
	America/Managua
	America/Mexico_City
	America/Regina
	America/Tegucigalpa
	America/Winnipeg

	Pacific/Easter
	Pacific/Galapagos
CTT	Antarctica/Casey
	Asia/Brunei
	Asia/Hong_Kong
	Asia/Irkutsk
	Asia/Kuala_Lumpur
	Asia/Macao
	Asia/Manila
	Asia/Shanghai
	Asia/Singapore
	Asia/Taipei
	Asia/Ujung_Pandang
	Asia/Ulan_Bator
	Australia/Perth
EAT	Africa/Addis_Ababa

	Africa/Asmera
	Africa/Dar_es_Salaam
	Africa/Djibouti
	Africa/Kampala
	Africa/Mogadishu
	Africa/Nairobi
	Asia/Aden
	Asia/Baghdad
	Asia/Bahrain
	Asia/Kuwait
	Asia/Qatar
	Asia/Riyadh
	Europe/Moscow
	Indian/Antananarivo
	Indian/Comoro
	Indian/Mayotte

	Africa/Algiers
	Africa/Bangui
	Africa/Douala
	Africa/Kinshasa
	Africa/Lagos
	Africa/Libreville
	Africa/Luanda
	Africa/Malabo
	Africa/Ndjamena
	Africa/Niamey
	Africa/Porto-Novo
	Africa/Tunis
	Africa/Windhoek
ECT	Atlantic/Jan_Mayen
	Europe/Amsterdam
	Europe/Andorra

	Europe/Belgrade
	Europe/Berlin
	Europe/Brussels
	Europe/Budapest
	Europe/Copenhagen
	Europe/Gibraltar
	Europe/Luxembourg
	Europe/Madrid
	Europe/Malta
	Europe/Monaco
	Europe/Oslo
	Europe/Paris
	Europe/Prague
	Europe/Rome
	Europe/Stockholm
	Europe/Tirane

	Europe/Vaduz
	Europe/Vienna
	Europe/Vilnius
	Europe/Warsaw
	Europe/Zurich
EET	Europe/Athens
	Europe/Bucharest
	Europe/Chisinau
	Europe/Helsinki
	Europe/Istanbul
	Europe/Kaliningrad
	Europe/Kiev
	Europe/Minsk
	Europe/Riga
	Europe/Simferopol
	Europe/Sofia

	Europe/Tallinn
EST	America/Grand_Turk
	America/Havana
	America/Montreal
	America/Nassau
	America/New_York
GMT	GMT
HST	America/Adak
	Pacific/Fakaofo
	Pacific/Honolulu
	Pacific/Rarotonga
	Pacific/Tahiti
IET	America/Bogota
	America/Cayman
	America/Guayaquil
	America/Indianapolis

	America/Jamaica
	America/Lima
	America/Panama
	America/Port-au-Prince
	America/Porto_Acre
IST	Asia/Calcutta
	Asia/Colombo
	Asia/Katmandu
JST	Asia/Jayapura
	Asia/Pyongyang
	Asia/Seoul
	Asia/Tokyo
	Asia/Yakutsk
	Pacific/Palau
MET	Asia/Tehran
MIT	Asia/Anadyr

	Pacific/Apia
	Pacific/Enderbury
	Pacific/Tongatapu
MST	America/Denver
	America/Edmonton
	America/Mazatlan
NET	Asia/Baku
	Asia/Dubai
	Asia/Kabul
	Asia/Muscat
	Asia/Tbilisi
	Asia/Yerevan
	Europe/Samara
	Indian/Mahe
	Indian/Mauritius
	Indian/Reunion

NST	Antarctica/McMurdo
	Asia/Kamchatka
	Pacific/Auckland
	Pacific/Chatham
	Pacific/Fiji
	Pacific/Funafuti
	Pacific/Kosrae
	Pacific/Majuro
	Pacific/Nauru
	Pacific/Nauru
	Pacific/Wake
	Pacific/Wallis
PLT	Antarctica/Mawson
	Asia/Aqtau
	Asia/Aqtobe
	Asia/Ashkhabad

	Asia/Dushanbe
	Asia/Karachi
	Asia/Tashkent
	Indian/Kerguelen
	Indian/Maldives
PNT	America/Dawson_Creek
	America/Phoenix
PRT	America/Anguilla
	America/Antigua
	America/Aruba
	America/Asuncion
	America/Barbados
	America/Caracas
	America/Cuiaba
	America/Curacao
	America/Dominica

	America/Grenada
	America/Guadeloupe
	America/Guyana
	America/Halifax
	America/La_Paz
	America/Manaus
	America/Martinique
	America/Montserrat
	America/Port_of_Spain
	America/Puerto_Rico
	America/Santiago
	America/Santo_Domingo
	America/St_Kitts
	America/St_Lucia
	America/St_Thomas
	America/St_Vincent

	America/Thule
	America/Tortola
	Antarctica/Palmer
	Atlantic/Bermuda
	Atlantic/Stanley
PST	America/Los_Angeles
	America/Tijuana
	America/Vancouver
	Pacific/Pitcairn
SST	Asia/Magadan
	Asia/Vladivostok
	Pacific/Efate
	Pacific/Guadalcanal
	Pacific/Norfolk
	Pacific/Noumea
	Pacific/Ponape

VST	Asia/Bangkok
	Asia/Jakarta
	Asia/Krasnoyarsk
	Asia/Phnom_Penh
	Asia/Saigon
	Asia/Vientiane
	Indian/Christmas
UTC	Africa/Abidjan
	Africa/Accra
	Africa/Banjul
	Africa/Bissau
	Africa/Casablanca
	Africa/Conakry
	Africa/Dakar
	Africa/Freetown
	Africa/Lome

	Africa/Monrovia
	Africa/Nouakchott
	Africa/Ouagadougou
	Africa/Sao_Tome
	Africa/Timbuktu
	Atlantic/Canary
	Atlantic/Faeroe
	Atlantic/Reykjavik
	Atlantic/St_Helena
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