



ORACLE® HYPERION REPORTING AND ANALYSIS FRAMEWORK

Release 11.1.2.2

ACCESSIBILITY GUIDE

ORACLE®
ENTERPRISE PERFORMANCE
MANAGEMENT SYSTEM

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Introduction

This appendix describes the accessibility features of Oracle Hyperion Reporting and Analysis Framework.

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Enabling Accessibility for Reporting and Analysis Framework

The Enable Screen Reader is displayed in Oracle Hyperion Enterprise Performance Management Workspace User Preferences, General tab when using Explorer 6 and 7.

Note: If the application is already open before enabling the screen reader support for EPM Workspace, you must close it and open it in a new browser window.

If you are using JAWS® Screen Reading Software, Oracle recommends using the Internet Explorer browser. For the JAWS screen reader to announce links and image shortcut keys, Virtual PC Cursor (VPC) mode must be enabled.

► To enable accessibility:

- 1 From EPM Workspace, select **File**, and then **Preferences**.
- 2 Under **Accessibility Mode**, select **Enable Screen Reader Support**.

This option enables the screen reader that you have installed to read the information displayed on the screen.

- 3 Click **OK**.

Reporting and Analysis Framework Accessibility Features

The following keyboard shortcuts are supported in the File Type drop-down:

Table 1 File Type Drop-Down – Accessibility Keys

Keys	Action
Down arrow	Drop the menu.
Arrow up or down	Change selection.

Keys	Action
Enter	Make selection.

Accessibility for Show Columns dialog

The following keyboard shortcuts are supported in the Show Columns dialog:

Table 2 Show Columns dialog – Accessibility Keys

Keys	Action
Grid	
Arrow Up/Down	Change selection.
Space bar	Check/uncheck the check box. Uncheck to hide that column in the Explore list.
Move item/up/down arrow image to change the item's order in the list	
Arrow Up/Down	Select the item to be moved.
Tab to Up/Down arrow image	Move item up or down.
Space bar	Activate to move item up/down.

Accessibility for Favorites Manager Dialog

The following keyboard shortcuts are supported in the Favorites Manager dialog:

Table 3 Favorites Manager Dialog – Accessibility Keys

Keys	Action
Grid	
Up/Down/Left/Right arrows	Change current cell selection.
Space bar	Check/uncheck cell.

Accessibility for File Dialog

The following keyboard shortcuts are supported for the File dialog:

Table 4 File Dialog – Accessibility Keys

Key	Action
Down arrow	When on any node, select next node below current. Selection will not wrap.

Key	Action
Up arrow	When on any node, select next node above current. Selection will not wrap.
page up	When on any node, get to last visible node on previous page, or, if there is no previous page, the last node on the current page.
Page down	When on any node, get to the first visible node on next page, or, if there is no next page, the last node on the current page.
Left arrow	When on any node, drill up to folder node (parent of current node). If already at root node, nothing happens.
Right arrow	When on a folder node, drill down into folder and present contents.
Enter key	When on any node except folder node, select the item.

Accessibility for File Accumulator

The following keyboard shortcuts are supported for the File Accumulator:

Table 5 File Accumulator – Accessibility Keys

Key	Action
Left side with items to be added to selected list	
Down arrow	When on any node, select next node below current. Selection will not wrap.
Up arrow	When on any node, select next node above current. Selection will not wrap.
Page up	When on any node, move to last visible node on previous page, or, if there is no previous page, the first node on the current page.
Page down	When on any node, moves to first visible node on next page, or, if there is no next page, the last node on the current page.
Left arrow	When on any node, drill up to folder node (parent of current node). If already at root node, nothing happens.
Ctrl+Up/Down arrow	When on any node, allows navigation without losing selection.
Ctrl+Space	when on any node, select/deselect currently focused item.
Shift+Up/Down	When on any node, select/deselect sequential list of items.
Ctrl+A	When on any node, select all nodes.
Right arrow	When on a folder node, drill down into folder and present contents.
Right arrow	When on any node except folder node, add item to selected list.
Right List with items in the selected list	
Down arrow	When on any node, select next node below current. Selection will not wrap.
Up arrow	When on any node, select next node above current. Selection will not wrap.

Key	Action
Page up	When on any node, go to last visible node on previous page, or, if there is no previous page, the first node on the current page.
Page down	When on any node, go to first visible node on next page, or, if there is no next page, the last node on the current page.
Left arrow	When on any node, remove item from selected list.
Move Up/Down arrow image to change the item's order in the list	
Arrow Up/Down	Select the item to be moved.
Tab to Up/Down arrow image	Move item up or down.
Space bar	Activate to move item up/down.

Accessibility for Explore

The following keyboard shortcuts are supported for Explore/Subheadings:

Table 6 Explore – Accessibility Keys

Key	Action
Explore Tree	
Down arrow	When on any node, select next node below current. Selection will not wrap.
Up arrow	When on any node, select next node above current. Selection will not wrap.
Page up	When on any node, get to the last visible node on the previous page, or if there is no previous page, the first node on the current page.
Page down	When on any node, get to the first visible node on the next page, or, if there is no next page, the last node on the current page.
Right arrow	When on a folder node with plus icon, expand a node.
Left arrow	When on a folder node with plus icon, go up to next expanded folder
Right arrow	When on folder node with minus icon, go to next folder.
Left arrow	when on folder node with minus icon, collapse a node.
Arrow keys (left/ right/ bottom/top)	The built-in way to move around Explore module and access different cells and rows in a grid or tree view.
Explore List	
Down arrow	When on any node, select next node below current. Selection will not wrap.
Up arrow	When on any node, select next node above current. Selection will not wrap.

Key	Action
Page up	When on any node, get to the last visible node on the previous page, or, if there is no previous page, the first node on the current page.
Page down	When on any node, get to the first visible node on next page, or, if there is no next page, the last node on the current page.
Ctrl+Up/Down arrow	When on any node, allows navigation without losing selection.
Ctrl+Space	When on any node, select/deselect currently focused item.
Ctrl+A	When on any node, select all nodes.
Shift+Up/Down arrow	when on any node, select/deselect sequential list of items.
Enter key	When on a folder node, drill into the folder.
Enter key	when on any node except folder node, launch the item.
Arrow keys (left/ right/ bottom/top)	The built-in way to move around Explore module and access different cells and rows in a grid or tree view.

The following rules are applied when using the context menu key to display context menus in Explore:

- If the left pane of Explore has focus, one of the following occurs:
 - if mouse pointer is over the selected item, then context menu is displayed for the selected item
 - if mouse pointer is not over the selected item, no context menu is displayed
- If the right pane of Explore has focus, one of the following occurs:
 - if mouse pointer is over the selected item, the context menu for the selected item is displayed
 - if the mouse pointer is over a blank area, for example not pointing to any items, the context menu of the selected item in the left pane is displayed
 - if the mouse location is over any other area, the context menu is not displayed

Reporting and Analysis Framework Keyboard Equivalents - EPM Workspace Pages

The following keyboard shortcuts are supported by the content area in EPM Workspace pages:

Table 7 Workspace Pages – Accessibility keys

Keys	Action
Arrow keys	Used to Navigate between layout areas on a Workspace page. Note: If you want to use the arrow keys to move among the layout areas, make sure you are on a layout area and not in the inner frame of the layout area. To get out of the inner frame of the layout area, press Shift+Tab. To get out of the inner frame of Recently Opened, Workspace Pages, or Quick Links portlet on the Home Page, press Shift+Tab twice.
a	If focus is on a layout area, then pressing this key adds the selected content in the Content Browser to the layout area.
Ctrl+a	If focus is on the Content Browser, then pressing this key combination adds the selected content in the left pane as content to the page.
r	If focus is on a layout area, then pressing this key triggers the remove action on the layout area.
e	If focus is on a layout area, then pressing this key triggers the edit action on the layout area if the edit action is available for the layout area.
l	If focus is on a layout area, then pressing this key triggers the launch action on the layout area if the launch action is available for the layout area.
m	If focus is on a layout area, and the layout area is not maximized, then pressing this key triggers the maximize action on the layout area or else it triggers the restore action on the layout area. The maximize option must be enabled on the layout area.
Tab/Shift+Tab	Used to navigate to the layout area content (inner frame) or out of the inner frame and return focus back to layout area itself.

Accessibility for EPM Workspace Template Selector Dialog

The following table provides keyboard shortcuts for the Template Selector Dialog:

Table 8 Template Selector Dialog – Accessibility key

Key	Action
Up/Down/Left/Right	1. Up/Down/Left/Right arrow to navigate and select item in the group.

Accessibility for Foundation Services

The following table provides keyboard shortcuts for Oracle Hyperion Foundation Services:

Table 9 Foundation Services – Shortcut Keys

Keys	Action
Tab	Apart from its standard function, this key is used to get to the right pane from folders' list.
Space	Apart from its standard function, this key can be used to switch between tabs in various Properties dialogs. It can also be used to sort items in Users, Groups, Roles' table of Properties dialog on Permissions tab.

Keys	Action
Ctrl+<column_number>	This key combination can be used to sort items in Selected table of Properties dialog on Permissions tab.
Enter	Apart from its standard function, this key can be used to switch between tabs in Import dialogs.
<column_number>	Press the corresponding table column number to sort the outputs in Jobs' Output Collection.
Keyboard context menu button	Show context menu for the item over which the mouse cursor is placed (but not for the one which is focused).

Accessibility for Interactive Reporting

The following table provides keyboard shortcuts for Oracle Hyperion Interactive Reporting.

Note: EPM Workspace keyboard navigation is only available with accessibility features enabled. You can disable keyboard navigation when the screen reader setting is not active. To disable keyboard navigation, add the parameter: `DISABLE_KEYBOARD_NAV_IN_NON_508_MODE=true` to the Hyperion Interactive Reporting Service (BI) in Dynamic Service properties in the Services section of EPM Workspace. For more information see "General Services Configuration Properties" in the *Oracle Enterprise Performance Management Workspace, Fusion Edition, Administrator's Guide*.

Table 10 Interactive Reporting – Shortcut Keys

Keys	Action
Ctrl+F6 followed by Tab	If focus is on whole content pane of an Oracle Hyperion Interactive Reporting file opened in Oracle Hyperion Enterprise Performance Management Workspace, use these keys to navigate into the section and its elements.
Ctrl+Shift+Enter	Display tool tip and read the status bar.
Shift+F10	Open and close context menu.
Arrow keys	Navigate through context menu.
Results/Table Section	
Arrow keys or Tab	Navigate through the individual cells.
Shift+Arrow keys	Used to scroll, if the focus is on whole content pane of Results/Table sections.
Ctrl+Alt+Arrow keys	Select two or more columns.
Ctrl+Space	Add/remove current column to the selection.
Pivot Section	
Arrow keys or Tab	Navigate through the individual cells.

Keys	Action
Chart Section	
Ctrl+Shift	Apart from its standard function, these keys can be used for working with Chart, where there is a two-layer navigation: all the elements are placed in groups (for example, one group includes axis labels, the other one includes pie slices). The user goes between the groups by pressing Tab, and may drill down into particular group and start tabbing in it by pressing Ctrl+Shift.
Report Section	
Ctrl+Shift	Visit individual elements of Embedded Objects.
Alt+I	Go through the tables within one Report page.
Dashboard Section	
Ctrl+Shift	Visit individual elements of Embedded Objects.
Query/CubeQuery Section	
Ctrl+Shift+Arrow keys or Tab	Navigate through the individual cells of CubeQuery table.

Accessibility for Online Help

The table that follows lists the keyboard shortcuts for online help.

Table 11 Online Help – Keyboard Shortcuts

Shortcut	Description
Ctrl+Shift+1	Open and move focus to the Contents tab.
Ctrl+Shift+2	Open and move focus to the Index tab.
Ctrl+Shift+3	Open and move focus to the Search tab.
Ctrl+Shift+4	Move focus to the content frame, which is the frame that contains help topics.

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