

CA Clarity™ PPM

Release Notes - On Demand

Release 14.1.00



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- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
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Chapter 1: Welcome to the New Release

Important! Due to the close proximity of Release 14.1 and Release 14.2, no patches will be provided for Release 14.1. Any critical fixes that are identified will be included in Release 14.2, which should be considered the patch for Release 14.1. No fixes for Release 14.1 will be provided outside of Release 14.2. Customers that elect to go live on Release 14.1 should have plans to go to Release 14.2 immediately upon its availability. Patches will then be made available based on the standard PPM Defect Resolution Policy posted on [CA Support](#).

This section contains the following topics:

[Training](#) (see page 7)

[International Support](#) (see page 7)

[Published Fixes](#) (see page 8)

[Add-ins Compatibilities](#) (see page 8)

[Known Issues and Resolved Defects](#) (see page 9)

Training

CA Education offers many training solutions for CA Clarity PPM. One important course you may consider explains the CA Productivity Accelerator (CA PA). To learn more about the training offerings, see the CA Education website at <http://ca.com/education>.

International Support

An internationalized product is an English product that operates correctly on local language versions of the required operating system and required third-party products, and supports local language data for input and output. Internationalized products also support the ability to specify local language conventions for date, time, currency, and number formats.

A translated product (sometimes referred to as a localized product) is an internationalized product that includes local language support for the user interface of the product, online help and other documentation, and local language default settings for date, time, currency, and number formats.

The product is fully localized and supports over 100 regional settings for date, time, and number formatting. The user interface is available in the following languages:

- | | |
|------------------------|-----------------------|
| ■ Brazilian Portuguese | ■ Italian |
| ■ Catalan | ■ Japanese |
| ■ Czech | ■ Norwegian |
| ■ Danish | ■ Polish |
| ■ Dutch | ■ Russian |
| ■ English | ■ Simplified Chinese |
| ■ Finnish | ■ Spanish |
| ■ French | ■ Swedish |
| ■ German | ■ Traditional Chinese |
| ■ Hungarian | ■ Turkish |

Localized versions of some CA Clarity PPM Online Help files and content are available within 90 days of the product general availability.

The most recent versions of localized product documentation are available on the [Documentation page of CA Support Online](#).

Published Fixes

We recommend that you review the Solutions and Patches that Technical Support provides at [CA Support](#). You can review the solutions and patches and any prerequisite published fixes that are required for the product release.

Add-ins Compatibilities

This section describes important information about upgrading installed add-ins, accelerators, and connectors.

- If you are upgrading from a 13.x release to this release, the following add-ins are upgraded, if deployed:
 - PMO Accelerator
 - Clarity Solution Pack (CSP)

- Clarity Agile
- Connector for Microsoft SharePoint
- If you are upgrading from any version before Version 13.0 to this release, all installed add-ins are upgraded.

The following table shows the accelerator and connector releases that are installed with Release 14.1.

Accelerator or Connector	Upgraded Version
PMO Accelerator	14.1.0
Clarity Solution Pack (CSP)	14.1.0
Earned Value Manager	2.0.2
Accelerator for PRINCE2	2.0.2
Accelerator for the PMBOK	2.0.2
Accelerator for New Product Development	2.0.3
BRM Accelerator	3.0.2
Connector for CA Unicenter Service Desk & CA Software Change Manager™ for Distributed	2.0.1
Connector for Microsoft SharePoint	3.0.0
Service Connect	2.0.0
Catalyst Connector	2.5.0
CA Clarity Agile	14.1.0
Integration Adaptor	14.1.0
VersionOne Connector	14.1.0

Known Issues and Resolved Defects

Known issues are treated as Knowledge Base articles. To find known issues, go to the [CA Clarity PPM Support by Product page](#), click the Knowledge Base tab, and enter the search term *clarity13open* or *clarity14open*.

Resolved Defects

For information about resolved defects, see the [Resolved Defects page](#) on CA Support Online.

Java Runtime Environment Defects

The Java Runtime Environment (JRE) is updated frequently with fixes for security issues, including issues that are unknown at the time CA Clarity PPM is released. To ensure that you have the latest fixes, we recommend that you download the most recent version 7 JDK.

Chapter 2: New Features

This section contains the following topics:

[Studio Content Management](#) (see page 11)

[Integration Adaptor](#) (see page 12)

[Microsoft Project Interface](#) (see page 12)

[Integration with VersionOne](#) (see page 12)

[Smart Sections](#) (see page 13)

[Apache Tomcat Log Analysis](#) (see page 13)

Studio Content Management

You can collect specific Studio content in a content package. Content packages help you identify, assemble, export, and deploy content between development, test, and production systems. A content package also lets you distribute to external third parties. The content package provides an easy mechanism to import and export Studio content. Recipients can import your content as an add-in in their environments and can use your content. For example, you can develop a series of pages, portlets, and queries and can offer them to internal users and external customers.

When you export a content package, the application creates XML files for you in a package. You can transfer that package to your target system to import. Studio content management does not require you to know XML or XOG. An easy-to-use interface lets you package, download, and import Studio content between CA Clarity PPM instances. As a developer, you can design content items, package them for export, and then reimport them in another environment.

You can also import Studio content packages that were developed internally or by third parties. Studio content packages extend the functionality of the application.

Note: For more information about Studio content management and the required access rights, see the *Studio Developer Guide*.

Integration Adaptor

The Integration Adaptor lets you import resource information. You can create new resources or you can update existing ones using a delimited file and a job. The Integration Adaptor is available automatically after a new installation or upgrade.

The following steps outline the process for importing resource information:

1. Create and format a delimited file.
2. Upload the file to your CA On Demand secure FTP directory.
3. Run the Integration Data Loader job.
4. Check the error messages and logs to verify that your data was imported.

Microsoft Project Interface

A new Microsoft Project Interface (XML-based) is available for you to select during the installation of the CA Clarity PPM Microsoft Project Interface. The existing Legacy Interface is also available for customers who are not ready to upgrade to the new interface. Both versions of the Interface are available for both 32-bit and 64-bit Microsoft Project installation environments.

Integration with VersionOne

Install the VersionOne Connector to integrate CA Clarity PPM projects with VersionOne, an agile project planning application. The integration provides CA Clarity PPM project managers near real-time visibility into agile projects and eliminates dual-time entry. Project managers can complete the following tasks effectively:

- Create projects in CA Clarity PPM and track them as initiative epics in VersionOne using agile metrics.
- Create work items (stories, defects, tasks, or tests) in VersionOne and view them in CA Clarity PPM as the project WBS.
- Enter effort in VersionOne for work items and view them in CA Clarity PPM timesheets.

Note: For more information about installing the VersionOne Connector, see the *Installation Guide*.

Smart Sections

You can now manage pages with many sections and fields more easily. A section header bar acts as a switch button. This feature also helps you identify the sections with errors quickly and easily.

The following changes improve the way page sections operate:

- To open or close all sections on a page, double-click any section header bar.
- To open or close a single section, click the section header bar once.
- The header bars for any sections that contain errors are highlighted when you save.
If all sections are collapsed, the first highlighted section is expanded for you to make corrections. To make corrections in any remaining highlighted sections, click the section header bar to open the section.
- Any section that contains required fields displays the Required icon on the header bar. This display lets you scan collapsed sections to see which ones contain required fields.

Note: Although time-scaled values resemble sections, they are not true sections and are not included in these changes. Smart sections do not apply to the following pages: Home, Reports, Jobs page; Administration, General Settings, System Options page; pop-up dialogs. Also, if you switch browsers, the smart section state does not persist.

Apache Tomcat Log Analysis

The Tomcat Access Log Import/Analyze Job and Delete Log Analysis Data Job have been added. These jobs create and manage data that you can use to analyze performance in an Apache Tomcat environment. You can add custom portlets, queries, or externally available content to provide details regarding system performance. Although the job runs for application servers other than Tomcat, no data is created.

Chapter 3: Enhanced Features

This section contains the following topics:

[Security for Cross-Site Scripting \(XSS\) Vulnerability](#) (see page 15)

[Action Item Localization](#) (see page 16)

[Documentation](#) (see page 16)

[Release Numbering](#) (see page 17)

Security for Cross-Site Scripting (XSS) Vulnerability

Cross-Site Scripting (XSS) attacks insert malicious scripts into otherwise trusted web sites. An XSS attacker uses a web application to send malicious code, generally in the form of a browser side script, to an end user. These attacks succeed when a web application includes user input data in the output it generates without first validating or encoding the input data.

The user browser does not know that the script is malicious and executes the script. Because the browser thinks the script came from a trusted source, the malicious script can access cookies, session tokens, or other sensitive information.

To address XSS vulnerability, all user-supplied input that is sent back to the browser should be verified to be safe (through input validation). Also, user input should be properly escaped before it is included in the output page. Proper output encoding ensures that the user input is always treated as text in the browser, instead of active content that can be executed.

With this release, user input validation for XSS and XSS user input restrictions (escaping) are in place and managed by CA Technologies. To request changes to the default restriction settings or for other assistance with XSS security issues, contact CA Support at <http://ca.com/support>.

Action Item Localization

CA Clarity PPM administrators can now translate the action item name and description that are associated with processes into all supported languages. When you send an action item to users working in different languages, the users see the Action Item Name and Description in their own languages.

A translation icon appears next to the Action Item Name field on the process page. Clicking this icon opens a dialog that lets you specify different language translations for the Action Item Name and Description fields.

Note: The Action Item translation icon is intended as an administrative tool and appears only for action items that are related to processes. The icon is not available to action item operations that end users perform from the Home menu.

Documentation

The CA Clarity PPM documentation improvements for this release include the following changes:

- **Integration Adaptor Guide.** This new guide provides instructions for working with the Integration Adaptor. The Integration Adaptor lets you import resource information using a CA Clarity PPM job. The Integration Adaptor is available automatically after a new installation or upgrade.
- **Microsoft Project Interface.** The *Project Management User Guide* and the *Installation Guide* have been updated to include the following information about the Microsoft Project Interface:
 - Improved flow of activities for installing and using the Microsoft Project Interface.
 - Responses to customer issues and requests.
- **Change Impact and Upgrade.** The *Change Impact and Upgrade Guide* was updated to include information about previous releases. This change was made to make searching for upgrade information about previous releases easier. The guide now includes relevant information about 14.1 and all 13.x releases.

Release Numbering

Starting with this release, CA Clarity PPM uses a new release numbering strategy. Release numbers now reflect the calendar year and the number of releases in that year. For example, if calendar year 2016 has two releases, the releases are numbered 16.1 and 16.2.

The advantage of this strategy is that the release numbers themselves convey information about when a particular version was distributed for use.

Appendix A: Compatibilities

This section contains the following topics:

[Clients](#) (see page 19)

[Clarity Mobile Time Manager](#) (see page 21)

[Change History](#) (see page 21)

Clients

The following table lists supported software for client computers accessing CA Clarity PPM.

	Microsoft Windows	Apple Mac OS	Desktop Linux
Operating System	<ul style="list-style-type: none">■ Microsoft Windows XP Professional: SP3 or higher■ Microsoft Windows 7 SP1 32-bit and 64-bit, all editions■ Microsoft Windows 8.1 32-bit and 64-bit	<ul style="list-style-type: none">■ Mac OS X: Release 10.9.1 or higher patch level	<ul style="list-style-type: none">■ Any vendor or version with support for browsers listed under the Web Browser section.
Web Browser	<ul style="list-style-type: none">■ Microsoft Internet Explorer 10.0 and 11.0 and higher patch level (Microsoft Windows 7 and 8.1)¹⁷⁾■ Microsoft Internet Explorer 9.0 and higher patch level■ Microsoft Internet Explorer 8.0 and higher patch level¹²⁾■ Firefox 30.0 and higher release¹¹⁾■ Firefox ESR 24.2.0 and higher patch level¹¹⁾■ Google Chrome 35 or higher release¹¹⁾	<ul style="list-style-type: none">■ Safari 7.0 and higher patch level■ Firefox 30 and higher release¹¹⁾	<ul style="list-style-type: none">■ Firefox 30 and higher release¹¹⁾

	Microsoft Windows	Apple Mac OS	Desktop Linux
Client Applications¹⁰⁾	<ul style="list-style-type: none"> ■ Microsoft Excel 2010-2013 32-bit & 64-bit, all editions. ■ Microsoft PowerPoint 2010-2013 32-bit & 64-bit, all editions. ■ Microsoft Project 2010 SP2 and 2013 32-bit & 64-bit, all editions ■ Java 7 Runtime Environment: 1.7 update 45 or higher update level¹³⁾ ■ Adobe Flash Player 11.9 or higher¹⁴⁾ ■ Adobe Acrobat Reader 7.0 or higher¹⁵⁾ ■ CA Open Workbench 2.1.2 ■ Crystal Reports 2008 Designer Client SP5¹⁶⁾ 	<ul style="list-style-type: none"> ■ Microsoft Office Excel 2011 ■ Adobe Flash Player 11 or higher¹⁴⁾ ■ Mac OS Preview PDF viewer¹⁵⁾ ■ <i>No Microsoft Project support</i> ■ <i>No CA Open Workbench support</i> ■ <i>No Crystal Reports Designer support</i> 	<ul style="list-style-type: none"> ■ Adobe Acrobat Reader 7.0 or higher¹⁵⁾ ■ Adobe Flash Player 11 or higher¹⁴⁾ ■ <i>No Excel Export support</i> ■ <i>No Microsoft Project support</i> ■ <i>No CA Open Workbench support</i> ■ <i>No Crystal Reports Designer support</i>
Third-party SOAP Integration Toolkits	<ul style="list-style-type: none"> ■ Microsoft Visual Studio 2013 (.NET Framework 4.5.1) ■ Apache AXIS 1.6 	<ul style="list-style-type: none"> ■ Apache AXIS 1.6 	<ul style="list-style-type: none"> ■ Apache AXIS 1.6

Notes:

- ¹⁰⁾ Using multiple versions of third-party software concurrently is not supported as it can cause out-of-sync and compatibility issues. CA Technologies supports only versions of third-party software that the vendor supports.
- ¹¹⁾ New Firefox and Chrome releases may be supported with minimal testing after being released.
- ¹²⁾ Support for IE 8.0 and its associated patches will be dropped in Release 15.1.
- ¹³⁾ Required for Open Workbench, CA Clarity PPM Microsoft Project interface, and XOG Client.
- ¹⁴⁾ For viewing Xcelsius dashboards.

- ¹⁵⁾ For reading CA Clarity PPM installation guides, technical manuals, user guides, and offline reports.
- ¹⁶⁾ Required only for custom report development.
- ¹⁷⁾ If you are using Internet Explorer 11 with CA Clarity PPM, the browser is automatically set to run in the Internet Explorer 10 compatibility mode for the CA Clarity PPM session. The setting is for the CA Clarity PPM session only and does not affect any other Internet Explorer 11 browser activity.

Clarity Mobile Time Manager

The following table lists the mobile operating system platforms that are supported for the Clarity Mobile Time Manager app.

	iOS	Android
Mobile Operating System	<ul style="list-style-type: none"> ■ Apple iOS 7.0 or higher 	<ul style="list-style-type: none"> ■ Google Android OS 4.0 or higher

Change History

Changes in CA Clarity PPM Release 14.1.00

Component	Description
Mobile Operating Systems¹⁾	<ul style="list-style-type: none"> ■ Dropped support for Apple iOS 6.
Client Browser	<ul style="list-style-type: none"> ■ Updated support for new releases of Firefox, Chrome, and Safari browsers.
Client Applications	<ul style="list-style-type: none"> ■ Dropped support for Microsoft Excel 2007 and Microsoft PowerPoint 2007.

Changes in CA Clarity PPM Release 13.3.00

Component	Description
Mobile Operating Systems¹⁾	<ul style="list-style-type: none"> ■ Added support for Apple iOS 6.1.4 and iOS 7 ■ Added support for Google Android OS 4.2.2 (Jelly Bean)

Component	Description
Client Browser	<ul style="list-style-type: none"> ■ Added support for Firefox 19.0.2 22 for Microsoft Windows ■ Added support for Google Chrome 31.x.x.x for Microsoft Windows. Also added a footnote regarding known issues with versions 29, 30, and 31. ■ Added support for Safari 6.0.52 for Apple Mac OS ■ Added support for Adobe Flash Player version 11
Client Applications	<ul style="list-style-type: none"> ■ Dropped support for Microsoft Project 2007 ■ Added support for CA Open Workbench 2.1.1 ■ Dropped support for CA Open Workbench 2.1

Changes in CA Clarity PPM Release 13.2.00

Component	Description
Mobile Operating Systems¹⁾	<ul style="list-style-type: none"> ■ Added support for Apple iOS 6.0 and higher. ■ Added support for Google Android 4.0 (Ice Cream Sandwich) and higher.
Client Browser	<p>Note: CA Technologies only supports browser versions that are supported by their associated third-party vendors.</p> <ul style="list-style-type: none"> ■ Added support for Firefox 19.0.2. ■ Added support for Firefox ESR 17.0.4. ■ Dropped support for Firefox ESR 10.0.5. ■ Added support for Microsoft Internet Explorer 10 (Windows 8 only). ■ Added support for Chrome 25.0.1364.172m. ■ Added support for Apple Safari 6.0.2 (on Mac OS X 10.8.2 or higher).
Client Applications	<ul style="list-style-type: none"> ■ Added support for Microsoft Project 2010-2013 32-bit and 64-bit, all editions. ■ Added support for Microsoft Excel 2010-2013 64-bit, all editions. ■ Added support for Microsoft PowerPoint 2010-2013 64-bit, all editions. ■ Added support for CA Open Workbench 2.1. ■ Dropped support for CA Open Workbench 2.0.

Notes:

- ¹⁾This support is for the Clarity Mobile Time Management application only.

Changes in CA Clarity PPM Release 13.1.00

Component	Description
Client Browser	<p>Note: CA Technologies only supports browser versions that are supported by their associated third-party vendors.</p> <ul style="list-style-type: none"> ■ Added support for Firefox ESR 10.0.5 and higher release level. ■ Added support for Firefox 13.0 and higher release level. ■ Dropped support for Firefox 3.5. ■ Dropped support for Firefox 8.0. ■ Added support for Chrome 18.0.1.25.152m and higher release level.
Client Applications	<ul style="list-style-type: none"> ■ Added support for Xcelsius Designer 2008 Service Pack 5. ■ Dropped support for Xcelsius Designer 2008 Service Pack 3. ■ Added support for Crystal Reports Designer 2008 Service Pack 5. ■ Dropped support for Crystal Reports Designer 2008 Service Pack 3.

Changes in CA Clarity PPM Service Pack 13.0.01

Component	Description
Client Browser	<ul style="list-style-type: none"> ■ Added support for Firefox 10.0. ■ Dropped support for Firefox 8.0. ■ Added support for Firefox 3.6. ■ Dropped support for Firefox 3.5.

Changes in CA Clarity PPM Release 13.0.00

Component	Description
Client Browser	<ul style="list-style-type: none"> ■ Added support for IE 9.0. ■ Dropped support for IE6 and IE7. ■ Added support for Firefox 8.0. ■ Added support for Safari 5.1.1.

Component	Description
Client Applications	<ul style="list-style-type: none">■ Dropped support for Microsoft Project 2000, 2002 and 2003.■ Defined support for Crystal Reports Designer 2008 as SP3 or higher (instead of any service pack).
SharePoint Server	<ul style="list-style-type: none">■ Added support for SharePoint Server 2010.■ Dropped support for SharePoint Server 2007.

Appendix B: Accessibility Features

CA Technologies is committed to ensuring all customers can successfully use its products and supporting documentation to accomplish business tasks. Enable the accessibility mode to optimize contrast in the user interface and assist a screen reader for those users who need assistance.

CA Clarity PPM accessibility features are best when used with the Mozilla Firefox 13 browser and the Job Access With Speech (JAWS) screen reader.

CA Clarity PPM inherits accessibility enhancements from Windows-based and Macintosh-based environments in the following areas:

- Display
- Sound
- Keyboard
- Mouse

Note: The information in the following topics applies to Windows-based and Macintosh-based applications. Java applications run on many host operating systems, some of which already have assistive technologies available to them. For these existing assistive technologies to provide access to programs written in JPL, they need a bridge between themselves in their native environments and the Java Accessibility support that is available from within the Java Virtual Machine (Java VM). This bridge has one end in the Java VM and the other on the native operating systems, so it will be slightly different for each platform it bridges to. Oracle is currently developing both the JPL and the Win32 sides of this bridge.

This section contains the following topics:

[Display](#) (see page 25)

[Sound](#) (see page 26)

[Keyboard](#) (see page 26)

[Mouse](#) (see page 27)

[Keyboard Shortcuts](#) (see page 27)

[Set Up Accessibility for a User](#) (see page 31)

Display

To increase visibility on your computer display, you can adjust the following options:

Font style, color, and size of items

Lets you choose font color, size, and other visual combinations.

Screen resolution

Lets you change the pixel count to enlarge objects on the screen.

Cursor width and blink rate

Lets you make the cursor easier to find or minimize its blinking.

Icon size

Lets you make icons larger for visibility or smaller for increased screen space.

High contrast schemes

Lets you select color combinations that are easier to see.

Sound

Use sound as a visual alternative or to make computer sounds easier to hear or distinguish by adjusting the following options:

Volume

Lets you turn the computer sound up or down.

Text-to-Speech

Lets you hear command options and text read aloud.

Warnings

Lets you display visual warnings.

Notices

Gives you aural or visual cues when accessibility features are enabled or disabled.

Schemes

Lets you associate computer sounds with specific system events.

Captions

Lets you display captions for speech and sounds.

Keyboard

You can make the following keyboard adjustments:

Repeat Rate

Lets you set how quickly a character repeats when a key is pressed.

Tones

Lets you hear tones when pressing certain keys.

Sticky Keys

Lets those who type with one hand or finger choose alternative keyboard layouts.

Mouse

You can use the following options to make your mouse faster and easier to use:

Click Speed

Lets you choose how fast to click the mouse button to make a selection.

Click Lock

Lets you highlight or drag without holding down the mouse button.

Reverse Action

Lets you reverse the functions controlled by the left and right mouse keys.

Blink Rate

Lets you choose how fast the cursor blinks or if it blinks at all.

Pointer Options

Let you do the following:

- Hide the pointer while typing
- Show the location of the pointer
- Set the speed that the pointer moves on the screen
- Choose the pointer's size and color for increased visibility
- Move the pointer to a default location in a dialog box

Keyboard Shortcuts

The following table shows the keyboard shortcuts for basic features available on all CA Clarity PPM pages.

Feature	Key Combination
Home Menu	Ctrl+Alt+h
Administration Menu	Ctrl+Alt+a
Favorites Menu	Ctrl+Alt+f

Feature	Key Combination
Back	Ctrl+Alt+b or Alt+Left Arrow
Home Page	Ctrl+Alt+Home
Refresh	Ctrl+Alt+F5
Search	Ctrl+Alt+s
History	Ctrl+Alt+v
Help	F1

CA Clarity Keyboard Shortcuts (Actions)

The following table shows keyboard shortcuts for actions on CA Clarity PPM pages.

Action	Key Combination	Alternate Accessibility Key Combination
Activate a field editor (for example, a date picker)	Enter	Alt+Enter
Close a popup	Esc	Shift+Esc
Open a tab menu	Enter	Alt+Enter
Move left, right, up, or down in a menu	Left Arrow Right Arrow Up Arrow Down Arrow	Alt+Up Arrow Alt+Down Arrow Alt+Up Arrow Alt+Down Arrow
Select a highlighted menu item	Enter	Alt+Enter
Open a link in a list page	Ctrl+Enter	
Select or clear a check box Note: Focus must be on the checkbox.	Space Bar	
Expand a hierarchical list Note: Focus must be on the + in the hierarchical list.	Space Bar	

CA Clarity Keyboard Shortcuts (Lists)

The following table shows the keyboard shortcuts for lists.

Action	Mode	Keyboard Combination
Switch between edit and display mode in a list	Display, Edit	Enter
Move from cell to cell through a list (grid)	Display	Left Arrow Right Arrow Up Arrow Down Arrow
Move to different areas within a list: portlet icons, column headers, body of list, buttons	Display	Tab (Forward) Shift+Tab (Back)
Switch to display mode	Edit	Esc or Enter
Move left or right within a cell	Edit	Left Arrow Right Arrow
Move from editable cell to editable cell	Edit	Tab (Forward) Shift+Tab (Back)
Move to the end of a row Note: If the action is on a TSV row, repeat the keyboard combination to leave the TSV section.	Edit	Ctrl+Right Arrow
Move to the beginning of a row	Edit	Ctrl+Left Arrow
Page up or down	Display, Edit	Ctrl+Alt+Up Arrow Ctrl+Alt+Down Arrow
Move to the top or bottom of a list Note: If the action is in a TSV cell, repeat the keyboard combination to leave the TSV section.	Display, Edit	Ctrl+Up Arrow Ctrl+Down Arrow
Open a drop-down list or a date selector	Edit	Enter
Move through selection items in a drop-down	Edit	Up Arrow Down Arrow
Select a highlighted value in a drop-down or a date selector	Edit	Enter
Highlight a date in a date selector	Edit	Down Arrow
Add a new line in a long text area	Edit	Ctrl+Enter

Keyboard Shortcuts for Time-Scaled Value Cells

The following table shows the keyboard shortcuts for time-scaled value cells in a list.

Action	Key Combination	Alternate Accessibility Key Combination
Select a TSV row	Shift+Ctrl+Right Arrow	
Select a TSV column	Shift+Ctrl+Down Arrow	
Select a single cell to the left or right of the current cell	Shift+Right Arrow Shift+Left Arrow	
Select a single row above or below the current cell	Shift+Up Arrow Shift+Down Arrow	
Copy a TSV cell	Ctrl+c	
Paste a TSV cell	Ctrl+v	
Cut a TSV cell	Ctrl+x	
Undo a cut, copy, or paste operation	Ctrl+z	
Copy from Excel to a TSV cell	Ctrl+c and Ctrl+v	

Set Up Accessibility for a User

Use these steps to set up accessibility for a user.

Follow these steps:

1. Open Administration, and from Organization and Access, click Resources.
2. Click the name of the resource.

The properties page appears.

3. Select the appropriate Accessibility check boxes:

Screen Reader Optimized UI

Determines whether the user interface is optimized so that a screen reader can better recognize the features. Select this check box for any visually impaired user who is using a screen reader.

Default: Cleared

High Contrast Color Mode

Determines whether a specific UI theme to assist color-deficient users is used. If selected, the user sees the High Contrast UI theme.

Default: Cleared

4. Save your changes.
5. (Optional) If you selected the Screen Reader Optimized UI, verify that the screen reader software is running on the user's computer.
6. If the user is logged in to CA Clarity PPM, instruct the user to log out and log back in.

Appendix C: Third-Party Acknowledgements

The license information for third-party utilities and software that CA Clarity PPM uses is available by clicking the View TXT link on the bookshelf.