

CA Clarity™ PPM

Release Notes - On Demand

Release 14.2.00



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- Product and documentation downloads
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Chapter 1: CA Clarity PPM 14.2 Release Notes

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)

[New Features](#) (see page 11)

[Enhanced Features](#) (see page 15)

[Compatibilities](#) (see page 21)

[Accessibility Features](#) (see page 27)

[Third-Party Acknowledgements](#) (see page 35)

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
- Catalan
- Czech
- Danish
- Dutch
- English
- Finnish
- French
- German
- Hungarian
- Italian
- Japanese
- Norwegian
- Polish
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese
- 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 or 14.1 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 14.2.

Accelerator or Connector	Upgraded Version
PMO Accelerator	14.2.0
Clarity Solution Pack (CSP)	14.2.0
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:

[Advanced Reporting and Data Warehouse](#) (see page 11)

[Microsoft Project Field Mapping Administration](#) (see page 12)

Advanced Reporting and Data Warehouse

Advanced Reporting allows you to create an ad hoc view of CA Clarity PPM data that you can save as a report and share using different formats. You configure each ad hoc view and its corresponding report by selecting the data that you want to include. You can run a report immediately or you can set up a schedule. In either case, you control the output method and format.

The CA Clarity PPM Data Warehouse is the main data source for Advanced Reporting. The Data Warehouse schema is optimized specifically for reporting. The schema includes the Investment, Resource, Portfolio, Timesheet, and Project data. The Data Warehouse is populated at scheduled intervals by jobs that load the relevant data from the CA Clarity PPM database to the Data Warehouse. The Data Warehouse can be extended to include custom objects and attributes.

Note: If you have your own preferred reporting tools, you can use them with the Data Warehouse.

CA Clarity PPM provides a set of domains that contain the most frequently used data. When you create an ad hoc view, you select from a list of the available domains. A domain provides a business view of the CA Clarity PPM Data Warehouse. A domain limits your access to data based on your security permissions. For example, if a user is permitted to access specific projects and resources in CA Clarity PPM, that user can access the same projects and resources in the Advanced Reporting domains. If you add custom objects or attributes to the product, these custom objects and attributes can also be included in the domains.

Note: To view the data that is included in the domains, you must have the PMO Accelerator add-in with Jaspersoft Content installed. For more information, see the *PMO Accelerator Product Guide*.

You create ad hoc views in the form of charts, tables, and cross tabs that let you analyze data from the domains. You can also use the ad hoc views to generate reports, which you can share, store, or display in the following ways:

- Single standalone report
- Word, PDF, Excel, PowerPoint document, or other formats
- Email attachment

Note: Advanced Reporting uses the Jasper Reports Server (which is integrated with CA Clarity PPM) to manage ad hoc views and reports. For information about the Jasper Reports Server, see the [Jaspersoft Community](#) web site.

For information about installing, configuring, and using Advanced Reporting and the Data Warehouse, see the *Installation Guide*, *Administration Guide*, and *Basics User Guide*.

Microsoft Project Field Mapping Administration

You can map only the existing CA Clarity PPM attributes that have not been mapped and custom attributes of the Project, Resource, Task, Assignment, and Team objects with the Microsoft Project fields. The attributes must be of following data types:

- Date
- Number
- String
- Boolean
- Lookup string

You can only import, export, or import and export data to and from CA Clarity PPM to Microsoft Project.

The following business rules apply when you map the fields:

- If an Object Type and Clarity Attribute ID mapping already exist, the Create or Update operation results in an error.
- If an Object Type and MSP Field Name already exist, the Create or Update operation results in an error.
- For out-of-the-box mappings with the Clarity Attribute ID set to *prUID*, the Create or Update operation results in an error.
- For mappings with Clarity Attribute ID set to *prUID*, you can modify only the MSP Field Name for an update operation. For example, you can change the mapping of UID from text3 to text4.

Note: You must have the administrator rights to view the MSP Field Mappings page.

Chapter 3: Enhanced Features

This section contains the following topics:

[Documentation](#) (see page 15)

[Microsoft Project Improvements](#) (see page 16)

[Portfolio Enhancements](#) (see page 17)

[Resource Average Allocation Percentage](#) (see page 18)

[Updates to Non Project Investment Objects \(NPIOs\)](#) (see page 19)

Documentation

The following CA Clarity PPM documentation improvements are available with this release:

- **Advanced Reporting.** A new CA Clarity PPM page, *CA PPM Advanced Reporting and Database Schema Index*, is added to CA Support Online. The link for the page is located under Popular Links on the CA Clarity PPM Product Page.

This page contains links for technical information about CA Clarity PPM, the Data Warehouse, Jaspersoft, and PMO Accelerator.

To see the page, click the following link:

[CA PPM Advanced Reporting and Database Schema Index.](#)

Note: You must be logged in to see the information that the links present.

The new page contains the following documentation links:

- CA Clarity PPM Database Schema

Note: In previous releases, this information was included in the Technical Reference Guide. The information has been removed from that guide and a link to the support site has been included where the information was previously.

- Data Warehouse Database Schema
- Data Warehouse ERD Diagram
- PMO Accelerator for Jaspersoft Advanced Reporting
- Advanced Reporting Domain Field Descriptions
- PMO Accelerator Overview Guides

- **Studio Developer Guide.** The last step for creating a custom object was updated to reflect your ability to edit the default menu link to the list page. Previous documentation suggested only that you create a new menu link to the custom object list page. A sample screen image was added to demonstrate the appearance of chart portlet data that is grouped by column or function.

- **Financial Management User Guide.** The equations and descriptions in the *Financial Metrics Used for Planning* topic were reviewed and improved.
- **Resource Management User Guide.** The calculation for the default allocation percentage has been improved. Although it does not directly change the steps to perform staffing tasks, resource managers can benefit from more accurate results. See *Resource Average Allocation Percentage* in this guide.

Microsoft Project Improvements

Microsoft Project 2013 Service Pack 1 Support

Microsoft Project 2013 Service Pack 1 is supported only for the new CA Clarity PPM Microsoft Project driver and not the legacy driver.

Auto-Numbering and Project IDs

If auto-numbering is set for the Project object, auto-numbering is enforced on creating and saving a project to CA Clarity PPM. The Project ID field in Microsoft Project becomes read-only.

Assignment Max % Load for the Fixed Unit Tasks

When you open or export a project from Microsoft Project, use the *MSP Assignment Units Mapping with Clarity Assignment 'Max % Load'* option to turn on or off the mapping of Max % Load. When this option is selected, the Microsoft Project unit is mapped based on the Max % Load value in CA Clarity PPM. When this option is cleared, the staff allocation rate that is based on the date the project is opened in Microsoft Project is used to map.

To set this option, open Administration, and from Project Management, click Settings.

When you save or import a project to CA Clarity PPM, the *MSP Assignment Units Mapping with Clarity Assignment 'Max % Load'* value is always written to Max % Load regardless of this setting.

Portfolio Enhancements

Limit on the Portfolio Investments

Starting with this release, there is no limit on the number of investments you can have in a portfolio. As a result, you can now define portfolios with a large number of investments. CA Technologies recommends you to define Content Power Filter Criteria that results in a manageable number of investments in each portfolio.

Note: The more investments you configure in a portfolio, the more time it takes to run the *Portfolio Synchronization* job and to calculate the totals in the waterline view.

Pending Edits for Waterlines

The changes that you make to the portfolio Waterlines view are now saved as pending edits. These edits are saved temporarily until you save them permanently or discard them. If you navigate away from the view or if you close the session, your pending edits are saved until you log back in. When you go back to the view, you can still save or discard your pending edits.

Discard Changes

This is a new button on the Waterlines view that allows you to discard your pending edits if you decide not to save the edits permanently. The button is enabled when there are pending edits on the view.

Improved Waterline View Navigation

You can now scroll infinitely in both directions of the Waterlines view to see the complete list of investments. There is no pagination as the list of investments is continuously refreshed by a buffered view. At a time 150 investments display on the view.

Enhanced Waterline Drag and Drop

When you drag and drop investments to a new location on the Waterlines view, a tool tip appears showing the drop target and the number of rows that are selected with a green check mark icon. If you have already reached the top or bottom of the list, the icon changes to a red circle with a line.

Change to the Synchronize Portfolio Investments Job

Starting this release, when the number of portfolio investments added between runs of the *Synchronize Portfolio Investments* job is equal to or greater than 1,000, an alert appears. The alert breaks down the number of investments by type and asks if you want to continue with the synchronization.

The alert appears only when the threshold of 1,000 added portfolio investments is reached. The alert can be triggered when the Sync Now button initiates the job.

Resource Average Allocation Percentage

The business logic behind the calculation of the default resource allocation percentage has been improved. The application uses the start and finish dates for the team member instead of the investment to calculate the average allocation percentage and total availability hours.

Note: This change can affect your custom metrics and other calculations.

To illustrate the enhancements, create a project with a six-week duration from August 5 to September 13 and staff it with a team of three resources.

- a. On the Team list for the first resource, change the finish date to August 17 (two weeks, 80 hours) and the Default Allocation to 50percent. The allocation is 40/80 or 50 percent as expected.
- b. For the second resource, change the finish date to August 17 (two weeks, 80 hours) and the Default Allocation to 50 percent. Add a segment from August 18 to 30 (two weeks, 80 hours) at an allocation of 100 percent.
 - Before this release, the application calculated allocation of 120 (40 + 80) and suggested an average allocation percentage for a resource that spans the complete project duration. In other words, the allocation percentage would apply 50 percent to 240, the total hours in the duration of the project (6 weeks x 40 hours = 240).
 - Starting with this release, the application calculates the allocation of 120 hours but yields a more accurate average allocation of 75 percent. The duration is just four weeks for the resource, not six. Their 120 hours divided by 160 total hours results in an average allocation of 75 percent.
- c. For the third resource, change the finish date to August 17 (two weeks, 80 hours) and the Default Allocation to 50 percent. Adjust this segment by specifying an allocation of 100 percent from August 5 to 17.
 - Before this release, the application would calculate an allocation of 40 hours for the two weeks, but an average allocation of 16.7 percent (40/240).
 - New in this release, the application calculates the same allocation of 40 hours but yields an average allocation of 50 percent (40/80).

Updates to Non Project Investment Objects (NPIOs)

The following updates were made to NPIOs (Programs, Applications, Assets, Products, and Other Work):

Enhanced functionality of the *Update Earned Value Totals* job

The *Earned Value Totals* job is renamed to *Update Earned Value and Cost Totals* to reflect added functionality. This job calculates the earned value and costs for projects and costs for NPIOs. The project or the NPIO can be selected using the Investment browse field on the Job Properties page.

New Object Action on the Investment Staff pages

The new object action Update Cost Totals is available on all project and NPIO Staff list and detail pages. This object action calculates the allocation and hard allocation costs. These costs can also be selected on custom portlets that are based on the Team data provider. The Staff list and details pages also display the allocation cost and hard allocation cost.

Time Slice Changes

The following time slices are added or renamed to reflect the new functionality:

Added:

Assignment::ETC Cost

Renamed:

Assignment::Actual Cost (previously Assignment::Actual Cost Curve)

Team::Allocation Cost (previously Team::Allocation Cost Curve)

Team::Hard Allocation Cost (previously Team::Hard Allocation Cost Curve)

Appendix A: Compatibilities

This section contains the following topics:

[Clients](#) (see page 21)

[Clarity Mobile Time Manager](#) (see page 23)

[Change History](#) (see page 23)

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: SP 3 or higher ■ Microsoft Windows 7 SP 1 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) ■ Microsoft Internet Explorer 9.0 and higher patch level ■ Microsoft Internet Explorer 8.0 and higher patch level³⁾ ■ Firefox 30.0 and higher release²⁾ ■ Firefox ESR 24.2.0 and higher patch level²⁾ ■ Google Chrome 35 or higher release²⁾ 	<ul style="list-style-type: none"> ■ Safari 7.0 and higher patch level ■ Firefox 30 and higher release²⁾ 	<ul style="list-style-type: none"> ■ Firefox 30 and higher release²⁾

	Microsoft Windows	Apple Mac OS	Desktop Linux
Client Applications ¹⁾	<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, 2013, and 2013 SP1 32-bit & 64-bit, all editions⁸⁾ ■ Java 7 Runtime Environment: 1.7 update 45 or higher update level⁴⁾ ■ Adobe Flash Player 11.9 or higher⁵⁾ ■ Adobe Acrobat Reader 7.0 or higher⁶⁾ ■ CA Open Workbench 2.1.2 ■ Crystal Reports 2013 Designer Client SP5⁷⁾ ■ Jaspersoft Studio 5.6.1 Designer client⁷⁾ 	<ul style="list-style-type: none"> ■ Microsoft Office Excel 2011 ■ Adobe Flash Player 11 or higher⁵⁾ ■ Mac OS Preview PDF viewer⁶⁾ ■ <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 higher⁶⁾ ■ Adobe Flash Player 11 or higher⁵⁾ ■ <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:

- ¹⁾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.
- ²⁾New Firefox and Chrome releases may be supported with minimal testing after being released. Google Chrome versions 29 and 30 have known issues with CA Clarity PPM and it is recommended to use version 32 or higher.
- ³⁾Support for IE 8.0 and higher patch levels will be dropped in the release after CA Clarity PPM r14.2.
- ⁴⁾Required for Open Workbench, CA Clarity PPM Microsoft Project interface, and XOG Client.
- ⁵⁾For viewing Xcelsius dashboards.

- ⁶⁾For reading CA Clarity PPM installation guides, technical manuals, user guides, and offline reports.
- ⁷⁾Required only for custom report development.
- ⁸⁾Microsoft Project 2013 Service Pack 1 will only be supported for the new CA Clarity PPM Microsoft Project driver.

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 14.2.00

Component	Description
Mobile Operating Systems¹⁾	<ul style="list-style-type: none"> ■ No changes
Client Browser	<ul style="list-style-type: none"> ■ No changes
Client Applications	<ul style="list-style-type: none"> ■ Added support for Microsoft Project 2013 SP1 for the new Microsoft Project driver only.

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"> ■ No changes

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)
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.
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 27)

[Sound](#) (see page 28)

[Keyboard](#) (see page 28)

[Mouse](#) (see page 29)

[Keyboard Shortcuts](#) (see page 29)

[Set Up Accessibility for a User](#) (see page 33)

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
Back	Ctrl+Alt+b or Alt+Left Arrow

Feature	Key Combination
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

Action	Mode	Keyboard Combination
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.