

# CA Clarity™ PPM

Release Notes - On Demand

Release 13.2.00



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## Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At <http://ca.com/support>, you can access the following resources:

- 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
- Other helpful resources appropriate for your product

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To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at <http://ca.com/docs>.



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# Chapter 1: Welcome to CA Clarity PPM

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Welcome to CA Clarity PPM Release 13.2.

This section contains the following topics:

[What This Document Covers](#) (see page 7)

[Training](#) (see page 7)

[International Support](#) (see page 8)

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

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

[Add-ins Compatibilities](#) (see page 9)

## What This Document Covers

This document provides information about enhanced features, documentation, and system requirements for CA Clarity PPM. This release provides a CA Technologies Bookshelf that you can access from the product. For more information about the bookshelf and product documentation, see [View the CA Technologies Bookshelf](#) (see page 21).

**Note:** At publication time, the product supports the operating systems and third-party software listed in this document. The most current Release Notes is found on CA Support at <http://ca.com/support>.

## Training

For user training, CA Technologies offers the CA Productivity Accelerator (CA PA) solution. You can use this solution to create custom education materials and practice simulations and assessments. The custom education materials are used in classroom training and online simulations. Your users can access the practice simulations and assessments from the Learn link on the User toolbar or from the learning management system (LMS). The CA PA provides standard content modules that you can upload into your CA PA editor and modify to reflect your configuration of CA Clarity PPM. You can also integrate your organization's processes and procedures into the CA PA solution.

CA Education offers these training solutions. To learn more about the training offerings and CA PA, 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
- 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 guides are available within 90 days of the product general availability.

The most recent versions of localized product documentation are available at [CA Support](#).

## Published Fixes

We recommend that you review the certification matrix for the product and the Solutions and Patches that Technical Support provides at <http://ca.com/support>. You can review the solutions and patches and any prerequisite published fixes that are required for the product release.

## Known Issues and Resolved Defects

### Known Issues

For information about known issues, log in to [CA Support Online](#) and search using the *clarity13open* keyword. Any related articles and known issues appear.

**Note:** For the known issues related to the product installation and new features, see the chapter “Installation and Upgrade” in the *Change Impact and Upgrade Guide*.

### 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.

## Add-ins Compatibilities

The following section describes important information about upgrading installed add-ins, accelerators, and connectors for Release 13.2.

- If you are upgrading from Version 13.0 or Release 13.1 to Release 13.2, the following add-ins are upgraded, if deployed:
  - PMO Accelerator
  - Clarity Solution Pack (CSP)
  - Accelerator for New Product Development (NPD)
  - Connector for Microsoft SharePoint
  - Business Relationship Manager (BRM)
  - CA Clarity Agile
- If you are upgrading from any version before Version 13.0 to Release 13.2, all installed add-ins are upgraded.

The following table shows the accelerator and connector releases that are installed with a Release 13.2.

<b>Accelerator or Connector</b>	<b>Upgraded Version</b>
PMO Accelerator	3.2.0
Clarity Solution Pack (CSP)	3.2.0
Earned Value Manager	2.0.1
Accelerator for PRINCE2	2.0.1
Accelerator for the PMBOK	2.0.1
Accelerator for New Product Development	2.0.2
BRM Accelerator	3.0.2
Connector for CA Unicenter Service Desk & CA Software Change Manager™ for Distributed	2.0.1
Connector for Microsoft SharePoint	2.0.2
Service Connect	2.0.0
Catalyst Connector	3.3.0
CA Clarity Agile	Spring 2013

# Chapter 2: New and Enhanced Features

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This section contains the following topics:

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

[Enhanced Features](#) (see page 13)

## New Features

This release includes the following new features:

- [Capacity Overview Portlet](#) (see page 11)
- [Mobile Time Management](#) (see page 12)
- [New Group-by Feature for Charts](#) (see page 12)

For any new features and enhancements in OWB, refer to the *OWB Release Notes*.

## Capacity Overview Portlet

The Capacity Overview portlet provides a high-level summary of the capacity, demand, remaining capacity, and the actual hours provided by any given unit in the organization from a Resource OBS hierarchical view. This page provides information both in an aggregated and detailed form using portlets. You can view the aggregated information on the Capacity Overview portlet and the detailed information in the following drill-down portlets:

- **Staff Allocation Overview portlet**  
Displays the resources for the selected OBS unit, their primary role, and their allocation over the same time periods that appear on the Capacity Planning Overview page.
- **Unfilled Roles portlet**  
Displays the unfilled role requests for the OBS unit, the investments that are requesting roles, and allocation information for the role requests.
- **Investment Demand portlet**  
Displays the investments that are associated with the OBS unit, the investment manager, start and finish dates for the investment, and the allocation of resources from the selected OBS.

**Note:** For more information about the Capacity Overview portlet, see the *Resource Management User Guide*.

## Mobile Time Manager

The CA Clarity PPM Mobile Time Manager lets you submit and approve timesheets from a mobile smartphone. The Mobile Time Manager feature lets you do the following tasks:

- Submit timesheets
  - Populate timesheet items from the previous timesheet period.
  - Return a timesheet that was previously submitted.
- Approve timesheets
  - Complete bulk timesheet approvals or returns.
  - Send a reminder to resources who have not submitted their timesheets.
  - Use the standard timesheet notifications.
  - Complete ad-hoc and action item timesheet approvals.

## New Group-by Feature for Charts

The Group-by feature allows the chart designers to configure the chart results that would only be possible using NSQL query data providers. This feature lets you narrow a chart result set based on an attribute that groups the results to provide a better display. The grouping feature is available for object data providers and portfolio system data providers.

For example, for a column chart that shows Planned Costs by Project, the readability of the chart depends on the number of projects. Showing 500 projects along the X-axis or Y-axis does not provide a readable chart that scales to the amount of data available. If you group the column chart data by OBS, the chart result set is smaller and more readable.

## Enhanced Features

This release includes enhancements to the following features:

- [New Portfolio Feature](#) (see page 13)
- [Capital and Operating Expenses](#) (see page 14)
- [Update Investments Created Before Release 13.2 to Display Capital and Operating Expenses](#) (see page 16)
- [Configurable OBS Feature](#) (see page 17)
- [Auto-recalculation Feature in Microsoft Project \(MSP\) Connector](#) (see page 17)
- [Usability Improvements](#) (see page 18)
- [Row Limit Governor for NSQL Queries](#) (see page 19)
- [Checkinstall Utility with Additional Scripts](#) (see page 20)

## New Portfolio Feature

The previous Portfolio feature has been removed and is replaced with a new Portfolio Management feature. If your home page was a previous Portfolio page or tab, your home page is no longer in the product. In this situation, your home page in Release 13.2 reverts to the system default home page.

Portlets from the previous Portfolio feature have been deleted, but the pages that contained the portlets remain. The pages were retained to accommodate customers who customized the pages by adding other valid portlets. Pages with no custom portlets are still visible, but they are empty.

Portfolio functionality for this version was re-written. Here are some of the major highlights of this feature:

- Plan portfolios by cost Types (Capital or Operating Expense types).
- Plan constraints (cost or resource) by specific period.
- Create portfolio investment ranking rules.
- Manually rank investments.
- Drag and drop capabilities for investment start and end dates and investment rankings.
- The addition of a “sync” job to manually, or at specified time intervals, synchronize investment information with portfolios. Portlet-based portfolios more efficiently gather portfolio information from one central area.
- A new portfolio dataprovider created with a consistent naming convention.
- A job aligned to each portfolio that you can configure to update the portfolio investment information at user-defined intervals, or on a manual basis.

## Capital and Operating Expenses

You can show operating and capital costs separately on the simple budget page and in a detailed financial plan. You can enter the cost information in the following ways:

- For a high-level estimate, enter the sums for these expenses directly on the investment budget page.
- For a more detailed view of cost type information, set up an investment financial plan that collects operating and capital expenses. You can collect detailed cost information from tasks or team allocation.

The following table shows the changes for this new feature.

<b>New Attributes Added</b>	<b>Page or Area</b>	<b>Object</b>	<b>Default Value</b>	<b>User Interface Behavior</b>	<b>XML Open Gateway</b>	<b>Security</b>
Cost Type	Investment financial properties	projfinproper npiofinancial properties	Operating	The attribute is required on the investment financial properties page. In Release 13.2 the attribute is visible on the financial properties view even if the view is customized.	The attribute is not required in the XOG. It is added as part of the investment general properties.	

<b>New Attributes Added</b>	<b>Page or Area</b>	<b>Object</b>	<b>Default Value</b>	<b>User Interface Behavior</b>	<b>XML Open Gateway</b>	<b>Security</b>
Cost Type	Task	task	None	In Release 13.2, the attribute is not visible by default. It must be configured to display.	The attribute is added as part of task in the Investment XOG.	This attribute is editable only if financial access rights are granted. Although you can edit this attribute in Open Workbench and Microsoft Project, you must have financial access rights to save the edits to CA Clarity PPM.
Capitalization Percent	Team	team	None	The attribute is not visible by default. It must be configured to display.	The attribute is added as part of team in the Investment XOG.	This attribute is editable only if financial access rights are granted.

New Attributes Added	Page or Area	Object	Default Value	User Interface Behavior	XML Open Gateway	Security
Planned Capital Cost Planned Operating Cost Budget Capital Cost Budget Operating Cost Planned Capital % Planned Operating % Budget Capital % Budget Operating %	Simple budget	financials	N/A	The attributes are not visible by default. They must be configured to display.	The following fields are not part of the XOG: Planned Capital % Planned Operating % Budget Capital % Budget Operating % The remaining fields will be added with investment general properties. The following existing fields become read only: Planned Cost Total Budget Cost Total	

## Update Investments Created Before Release 13.2 to Display Capital and Operating Expenses

After you upgrade to this release, you can update investments that were created before Release 13.2 to show capital and operating expenses. Updating your investments is optional and depends on your business needs. Update only if you want to display capital and operating expenses separately in financial plans.

The following jobs automate the task of adding the Capital and Operating cost type to investments:

### Enable Capitalization

This job sets the Cost Type attribute to Operating or Capital on the investments, tasks, and transactions that you select for the update. You select and map investment charge codes to either Operating cost type or Capital cost type. When the job runs, the cost type that is mapped to the charge code is applied to the investment and its tasks and transactions. This job also updates the capitalization percent on the investment team records if you enter a Capitalization Percent value in the job parameters.

### Copy Cost Type Plan of Record Charge Code with Cost Type

This job creates a copy of an investment plan of record and adds Cost Type to the list of existing grouping attributes. To make an investment eligible for this job, you are required to run the *Enable Capitalization* job successfully on the investment first.

If you do not run the jobs, you see the following results:

- All existing investments have a cost type of Operating.
- All records in the PPA\_WIP table have a cost type of Operating.

**Upgrade Action:** (Optional) Run the jobs in the order that is listed to update investments that were created before Release 13.2.

If you are processing investments with large amounts of data, limit the number of investments for a job run. When all of your investments have been successfully processed to show capital and operating expenses, we recommend deactivating the jobs.

**Note:** For more information about the jobs, see the *Administration Guide*.

## Configurable OBS Feature

Starting with this release, you can configure an OBS like any CA Clarity PPM attribute. When you associate an object with an OBS, an attribute is created for the OBS. The associated object appears as a hyperlink under the Associated Objects section on the OBS Properties page. Click the hyperlink to view the attribute that is created on the Object Attribute page. On this page, you can set the default value and can make the OBS field read-only.

Before this release, when you perform the Restore Default action, the view that was created during installation would be restored. Starting with this release, when you perform the Restore Default action on the object, the OBS section moves back to the General Properties subpage with all the OBS attributes in the Selected column.

Starting this release, you can configure, move, or delete an OBS section like any existing section. When you associate an object with an OBS for the first time, an OBS section is created with the OBS attribute in the *Create View* and *Edit View* of the object.

For more information about the configurable OBS, see the *Administration Guide*.

## Auto-recalculation Feature in Microsoft Project (MSP) Connector

In Microsoft Project (MSP), the whole project is recalculated after being opened in CA Clarity PPM only if the Calculation Mode for a schedule is set to On.

In previous releases, when you exported a project from CA Clarity PPM to MSP, the End Date and Dependency fields change. These fields are recalculated and updated for some tasks. The update occurs even though the Calculation Mode is set to Manual in MSP.

Starting with this release, you can export a project from CA Clarity PPM to MSP without updating the End Date and Dependency date fields. To prevent these fields from updating, complete the following tasks:

- Set the Calculation Mode for the schedule to Off in MSP.
- Set the Loading Pattern for all tasks in a project to Uniform in CA Clarity PPM.

You can update the end date of a task that is assigned to a resource with a termination date earlier than the task end date. The following table illustrates how task end dates are updated in these cases.

Resource Termination Date	Update to the Task Finish Date
Before the task start date	The task finish date is set to the task start date. The task is changed to a milestone task.
After the task start date but before the task finish date	The task finish date is set as the resource termination date.

In both the cases, the task end date is set according to the resource termination date.

## Usability Improvements

This release includes the following usability improvements:

- **New keyboard shortcuts to help you easily navigate within the grids and list in Clarity.**

Action	Keyboard Combination
Move to the end of a row <b>Note:</b> If the action is on a TSV row, repeat the keyboard combination to leave the TSV section.	■ Ctrl+Right Arrow
Move to the beginning of a row	■ Ctrl+Left Arrow
Page up or down	■ Ctrl+Alt+Up Arrow ■ Ctrl+Alt+Down Arrow

Action	Keyboard Combination
Move to the top or bottom of a list	<ul style="list-style-type: none"> <li>■ Ctrl+Up Arrow</li> <li>■ Ctrl+Down Arrow</li> </ul>

**Note:** If the action is in the TSV section of a list, repeat the keyboard combination to leave the TSV section.

■ **New keyboard shortcuts for Time Scale Value (TSV) grids**

Action	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	<ul style="list-style-type: none"> <li>■ Shift+Right Arrow</li> <li>■ Shift+Left Arrow</li> </ul>
Select a single row above or below the current cell	<ul style="list-style-type: none"> <li>■ Shift+Up Arrow</li> <li>■ Shift+Down Arrow</li> </ul>
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

■ **Edits preserved when you scroll through the TSV periods**

You can edit the time-scaled values and can scroll to different time periods in the grid. The edits you make are preserved even if they scroll offscreen. The edits persist until you save them or dismiss them without saving.

## Row Limit Governor for NSQL Queries

The Row Limit Governor for NSQL queries restricts the number of rows that are processed. This reduces the chance of an NSQL query using too many server resources. For more information on the scenarios on how and when the row limit governor is applied, see the *Change Impact and Upgrade Guide*.

## Checkinstall Utility with Additional Scripts

Starting this release, the CA Clarity PPM checkinstall utility that is invoked during an installation and upgrade has additional scripts to perform the following actions:

- Check the database customizations and the correct database version.
- Prompt for name, email address, and acknowledgment of the review for the *Installation Guide* and *Change Impact and Upgrade Guide*.
- Invoke the utility post upgrade to check for the successful completion of the upgrade process by checking for the presence of the postupgrade records in the `cmn_install_history` table.

# Chapter 3: Documentation

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This section contains the following topics:

[View the CA Technologies Bookshelf](#) (see page 21)

[Documentation Changes](#) (see page 22)

## View the CA Technologies Bookshelf

The CA Technologies Bookshelf available on the Documentation page of CA Support Online provides the product documentation set in Section 508-compliant HTML format and in PDF format. You can view the CA Technologies Bookshelf online from CA Support Online, or you can download and view the bookshelf locally on your computer.

The CA Technologies Help Bookshelf is installed automatically with the product and provides the core documentation set in HTML format. You can access the Help Bookshelf by clicking the Help link in the product.

### **To extract the ZIP file and view the CA Technologies Bookshelf**

1. Use an archive product such as WinZip.
2. Extract the content to a local folder.
3. Double-click the Bookshelf.html file in the Bookshelf folder.

The CA Technologies Bookshelf opens, and you can use it to view and search the product documentation.

## Where to Find Documentation

You can access the product documentation in the following locations:

- Click the Help link in the product.
- The Docs directory on the installation media.
- Technical Support at <http://ca.com/support>.

## How to View and Search PDFs

To view PDF files, download and install the Adobe Reader from the Adobe website if it is not already installed on your computer.

If you open a PDF file in Adobe Reader in the CA Technologies Bookshelf and search, the individual PDF file is searched and you see the individual instances of the search term.

## Documentation Changes

The CA Clarity PPM documentation has been improved to help you find information faster. The documentation changes include the following improvements:

- The product documentation that does not require a login to CA Support Online is also available through third-party search engines such as Google.
- The *Portfolio Management User Guide* is no longer included in the documentation set. The portfolio scenarios that are available on the bookshelf (Release Information and Announcements section) describe the new way to manage your portfolios.

# Chapter 4: Compatibilities

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This appendix contains operating environment information for this release, which is also available from the Compatibilities link on [support.ca.com](http://support.ca.com).

Some of the products listed in this appendix are not delivered with CA Clarity PPM, and you must purchase the product. For information about the software that is included with CA Clarity PPM, see Products Included with CA Clarity PPM. Refer to your licensing agreement for more information.

This section contains the following topics:

[Clients](#) (see page 23)

[Change History](#) (see page 25)

## Clients

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

	Microsoft Windows	Apple Mac OS	Desktop Linux
<b>Operating System</b>	<ul style="list-style-type: none"><li>■ Microsoft Windows XP Professional: SP3 or higher</li><li>■ Microsoft Windows 7 SP1 32-bit and 64-bit, all editions</li><li>■ Microsoft Windows 8 32-bit and 64-bit</li></ul>	<ul style="list-style-type: none"><li>■ Mac OS X: Release 10.8.2 or higher patch level</li></ul>	<ul style="list-style-type: none"><li>■ Any vendor or version with support for browsers listed under the Web Browser section.</li></ul>

	Microsoft Windows	Apple Mac OS	Desktop Linux
<b>Web Browser</b>	<ul style="list-style-type: none"> <li>■ Microsoft Internet Explorer 10.0 and higher patch level (Microsoft Windows 8 only)</li> <li>■ Microsoft Internet Explorer 9.0 and higher patch level</li> <li>■ Microsoft Internet Explorer 8.0 and higher patch level</li> <li>■ Firefox 19.0.2 and higher release level<sup>2)</sup></li> <li>■ Firefox ESR 17.0.4 and higher release level<sup>2)</sup></li> <li>■ Google Chrome 25.0.1364.172m and higher release level<sup>2)</sup></li> </ul>	<ul style="list-style-type: none"> <li>■ Safari 6.0.2 and higher patch level</li> <li>■ Firefox 19.0.2 and higher release level<sup>2)</sup></li> </ul>	<ul style="list-style-type: none"> <li>■ Firefox 19.0.2 and higher release level<sup>2)</sup></li> </ul>
<b>Client Applications<sup>1)</sup></b>	<ul style="list-style-type: none"> <li>■ Microsoft Excel 2007-2013 32-bit, all editions or Microsoft Excel 2003 with 2007 compatibility pack</li> <li>■ Microsoft Excel 2010-2013 64-bit, all editions</li> <li>■ Microsoft PowerPoint 2007-2010 32-bit, all editions</li> <li>■ Microsoft PowerPoint 2010-2013 64-bit, all editions</li> <li>■ Microsoft Project 2007-2013 32-bit, all editions<sup>3), 3a)</sup></li> <li>■ Microsoft Project 2010-2013 64-bit, all editions<sup>3b)</sup></li> <li>■ Java 7 Runtime Environment: 1.7 or higher patch level<sup>4)</sup></li> <li>■ Adobe Flash Player 10 or higher<sup>5)</sup></li> <li>■ Acrobat Reader 7.0 or higher<sup>6)</sup></li> <li>■ CA Open Workbench 2.1</li> <li>■ Crystal Reports 2008 Designer Client SP5<sup>7)</sup></li> </ul>	<ul style="list-style-type: none"> <li>■ Microsoft Excel 2011</li> <li>■ <i>No Microsoft Project support</i></li> <li>■ Adobe Flash Player 10 or higher<sup>5)</sup></li> <li>■ Mac OS Preview PDF viewer<sup>6)</sup></li> <li>■ <i>No Open Workbench support</i></li> <li>■ <i>No Crystal Reports Designer support</i></li> </ul>	<ul style="list-style-type: none"> <li>■ <i>No Excel Export support</i></li> <li>■ <i>No Microsoft Project support</i></li> <li>■ Adobe Flash Player 10 or higher<sup>5)</sup></li> <li>■ Acrobat Reader 7.0 or higher<sup>6)</sup></li> <li>■ <i>No Open Workbench support</i></li> <li>■ <i>No Crystal Reports Designer support</i></li> </ul>

	Microsoft Windows	Apple Mac OS	Desktop Linux
<b>Third-party SOAP Integration Toolkits</b>	<ul style="list-style-type: none"> <li>■ Microsoft Visual Studio 2005 (.NET Framework 2.0)</li> <li>■ Apache AXIS 1.4</li> </ul>	<ul style="list-style-type: none"> <li>■ Apache AXIS 1.4</li> </ul>	<ul style="list-style-type: none"> <li>■ Apache AXIS 1.4</li> </ul>

**Notes:**

- <sup>1)</sup> 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.
- <sup>2)</sup> New Firefox and Chrome releases may be supported with minimal testing after being released. Browsers such as Firefox and Chrome update frequently. Releases will be updated as needed.
- <sup>3)</sup> Microsoft Project 2007 support will be dropped in CA Clarity PPM release 13.3.
- <sup>3a)</sup> Install JRE x86 for x86.
- <sup>3b)</sup> Install JRE x64 for x64.
- <sup>4)</sup> Required for Open Workbench, CA Clarity PPM Microsoft Project interface, and XOG Client.
- <sup>5)</sup> For viewing Xcelsius dashboards.
- <sup>6)</sup> For viewing the product documentation and offline reports.
- <sup>7)</sup> Required only for custom report development.

## Change History

### Changes in CA Clarity PPM Release 13.2.00

Component	Description
<b>Mobile Operating Systems<sup>1)</sup></b>	<ul style="list-style-type: none"> <li>■ Added support for Apple iOS 6.0 and higher.</li> <li>■ Added support for Google Android 4.0 (Ice Cream Sandwich) and higher.</li> </ul>

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

**Notes:**

- <sup>1)</sup>This support is for the Clarity Mobile Time Management application only.

## Changes in CA Clarity PPM Release 13.1.00

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

## Changes in CA Clarity PPM Service Pack 13.0.01

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

## Changes in CA Clarity PPM Release 13.0.00

Component	Description
<b>Client Browser</b>	<ul style="list-style-type: none"> <li>■ Added support for IE 9.0.</li> <li>■ Dropped support for IE6 and IE7.</li> <li>■ Added support for Firefox 8.0.</li> <li>■ Added support for Safari 5.1.1.</li> </ul>
<b>Client Applications</b>	<ul style="list-style-type: none"> <li>■ Dropped support for Microsoft Project 2000, 2002 and 2003.</li> <li>■ Defined support for Crystal Reports Designer 2008 as SP3 or higher (instead of any service pack).</li> </ul>
<b>SharePoint Server</b>	<ul style="list-style-type: none"> <li>■ Added support for SharePoint Server 2010.</li> <li>■ Dropped support for SharePoint Server 2007.</li> </ul>



# Chapter 5: Accessibility Features

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This section contains the following topics:

[Product Enhancements](#) (see page 29)

[Set Up Accessibility for a User](#) (see page 32)

[Keyboard Shortcuts](#) (see page 32)

## Product Enhancements

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.

## 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

## 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.

## Keyboard Shortcuts

### Keyboard Shortcuts for Basic Features

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

<b>Feature</b>	<b>Key Combination</b>
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

## Keyboard Shortcuts for CA Clarity PPM 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 <b>Note:</b> Focus must be on the checkbox.	Space Bar	
Expand a hierarchical list <b>Note:</b> Focus must be on the + in the hierarchical list.	Space Bar	

## Keyboard Shortcuts for 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 <b>Note:</b> 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 <b>Note:</b> 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





# Appendix A: Third-Party Acknowledgements

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The license information for third-party utilities and software that CA Clarity PPM uses is available in the \Bookshelf Files\TPSA folder of the CA Technologies Bookshelf.

You can open the license information on the CA Technologies Bookshelf. Click the View TXT link next to Third-Party Acknowledgments.