

Resource Adapter for CA PPM

At a Glance



Resource Adapter for CA PPM automates user provisioning and maintenance of resource capacity in CA PPM. The automated bulk upload of user and resource data from an HR system such as SAP, PeopleSoft or WorkDay helps keep resource data in CA PPM in sync with the HR system.

The Resource Adapter is CA SaaS compliant and leverages an integration framework that supports integration via flat files; or via web services – XOG/REST APIs. This ensures that the integration is not restricted to any single HR system.

The integration framework provides the ability to easily configure attribute mappings, business and validation rules through custom objects and has a comprehensive error handling capability.

Key Outcomes: Why Resource Adapter?

- Automating the process of user creation and updates reduces the effort required of administrators for maintaining CA PPM. It also helps keep a check on license consumption by keeping user status in sync with the HR source of truth.
- Keeping resource metadata such as primary role, availability, resource OBS in sync with the HR source of truth ensures that the resource capacity information in CA PPM reflects reality.
- Supports accurate calculation of resource rates for financial planning and determining actual costs in CA PPM by keeping resource financial attributes updated and aligned with the HR source of truth.
- Automation with validation for data quality and correctness prior to loading of user/resource data in to CA PPM.
- Reduces scope for errors by eliminating manual effort for creating and updating user/resource data.
- Provides complete administrative control for determining the frequency of update to the resource data in CA PPM via CA PPM's native job scheduler.
- Robust error handling and reporting via multiple portlets.

What Does the Resource Adapter Automate?

The Resource Adapter automates user creation and updates, and resource creation and updates.

Resource: Cheryl Amos - *Properties*

Last Name	Amos
First Name	Cheryl
User Name	camos
Resource ID	cherylAmos
Password
Confirm Password
Force Password Change	<input type="checkbox"/> (Select checkbox to force resource to change password on next login.)
Email Address	cherylAmos@mailserver.com
Employment Type	Employee
External	<input type="checkbox"/>
Status	Active
Time Zone	(GMT-05:00) Eastern Time (US & Canada)
Locale	English(United States)
Language	English

1. User Details

Resource-Labor: Cheryl Amos - *Main - General*

General	
Last Name	Amos
First Name	Cheryl
Resource ID	cherylAmos
Email Address	cherylAmos@mailserver.com
Resource Management	
Primary Role	Developer
Resource Manager	Miller, Rosie
Category	IT
Booking Manager	Miller, Rosie
Date of Hire	1/1/2001
Date of Termination	
Employment Type	Employee
External	<input type="checkbox"/>
Availability	8.00
Organizational Breakdown Structures	
Resource Pool	/All Groups/Internal/Development
Department OBS	/Corporate/IT/Business Operations

2. Resource Details

How It Works

- The Resource Adapter accepts resource data from the external HR system in the form of delimited flat file (.csv, .txt), validates data, forms the required web service request and loads the data in to CA PPM.
- Where possible, the Application Adapter may also make direct web service calls to retrieve data, instead of using flat files.
Recommendation: For this type of an adapter, CA recommends using file-based batch integration due to the likely volume of data and access restrictions to the source system.
- The following portlets are configured to monitor and diagnose errors during operation of the Resource Adapter:
 - **Resource Adapter** portlet provides the summary information for all Resource Adapter jobs with ability to filter for a specific execution of the Resource Adapter job.
 - **Resource Adapter Archive** portlet provides the summary information of validation errors, warnings and errors from XOG for a specific execution of the Resource Adapter job.
 - **Resource Adapter Errors** portlet provides detailed information on the validation errors, warnings and run time errors for a specific execution of the Resource Adapter job. This portlet helps identify the source of the error, to take corrective actions.
 - **Resource Adapter XOG** portlet provides detailed information on the XOG input and output generated in a specific execution of the Resource Adapter job. This portlet helps identify XOG errors, to take corrective actions.

Note: The Resource Adapter can be configured to send email alerts to administrators indicating successful completion of the Resource Adapter job or failures in the execution of the Resource Adapter job.

TIPS:

- For CA PPM SaaS implementations, the username should be the email address of the user when single sign-on is enabled.
- The Resource ID of a resource cannot be changed once financials have been enabled for the resource record.

Compatibilities



On Premise

CA PPM Version: CA PPM 14.3 or higher.

Database:

- Oracle 11.2 Standard and Enterprise Edition: version 11.2.0.4.x or higher patch level
- Oracle 12c Standard and Enterprise Edition: version 12.1.0.2.x or higher patch level

No MSSQL Support

SaaS

CA PPM Version – CA PPM 14.3 or higher.

Contact your CA Services representative for further assistance with purchasing this component.