

Project Adapter for CA PPM



At a Glance



Project Adapter for CA PPM helps with importing projects from ERP systems into CA PPM, and with keeping the list of Projects updated in CA PPM.

The Project Adapter is CA SaaS compliant, and leverages an integration framework that supports integration via flat files or via web services. This ensures that the integration is not restricted to any single ERP solution.

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

Key Outcomes: Why Project Adapter?



- When the system for registering demand or the creation of an unapproved project is not CA PPM, the Project Adapter for CA PPM provides an easy way to import projects. This can occur when the project gets approved, or at a stage deemed appropriate for managing the project in CA PPM. The benefit is removing any duplication of effort caused by re-creating projects in CA PPM.
- The Project Adapter also supports import of team allocations, tasks and creation of project hierarchy. This means that Project Managers can focus on project execution immediately.
- Reduces scope for errors by eliminating the manual effort required for creating and updating Projects.
- Automation with validation for data quality and correctness prior to loading of the Project in to CA PPM.
- Provides complete administrative control for determining the frequency of update to the Project data in CA PPM via CA PPM's native job scheduler.
- Robust error handling and reporting via multiple portlets

What Does the Project Adapter Automate?

1. Creation and update of projects.
2. Creation and update of project team allocations.
3. Creation and update of tasks.

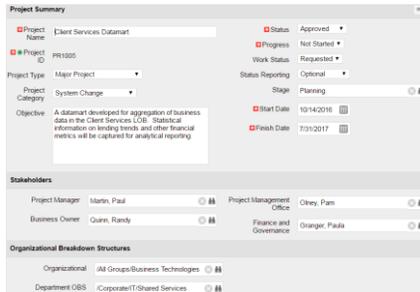


Figure 1: Create/Update Project Information

Project: CRM Enhancements - Team - Staff

Filter: System Default	Resource/Role	Project Role	Staff OBS Unit	Booking Status	Open for Time	Start	Finish	Default Allocation %	Average Allocation %	Capitalization %	Allocation	Actuals	ETC
	Berry, Jason	Developer		Soft	✓	8/15/16	12/23/16	100.0%	68.4%	0.00%	520.00	160.00	360.00
	Chiders, Valerie	Architect		Soft	✓	8/15/16	12/23/16	100.0%	47.4%	0.00%	360.00	200.00	160.00
	Evans, Sean	Developer		Soft	✓	8/15/16	12/23/16	100.0%	52.6%	0.00%	400.00	0.00	400.00
	Reed, Henry	Project Manager		Soft	✓	8/15/16	12/23/16	100.0%	68.4%	0.00%	520.00	200.00	320.00
	Sampson, Mike	Test Engineer		Soft	✓	8/15/16	12/23/16	100.0%	63.2%	0.00%	480.00	200.00	280.00

Figure 2: Project Allocation

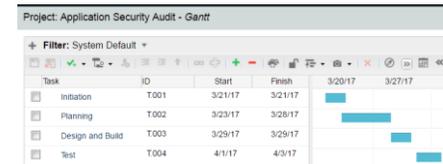


Figure 3: Project Tasks

How It Works

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

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

PROJECT ADAPTER IMPLEMENTATION OPTIONS

1. Project import and update
2. Project team import and update
3. Tasks import and update

Note: Customers may choose 1 or more options for implementing the project adapter.

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.