

Rate Matrix Adapter for CA PPM

At a Glance



Rate Matrix Adapter for CA PPM automates update of Rate Matrix data in CA PPM. In many organizations, resource rates are determined by multiple factors and the resource rates can change relatively frequently. The automated bulk upload of Rate Matrix data ensures that investment cost calculations take into account the most recent rates mandated by finance.

The Rate Matrix 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 can support a wide variety of source systems.

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

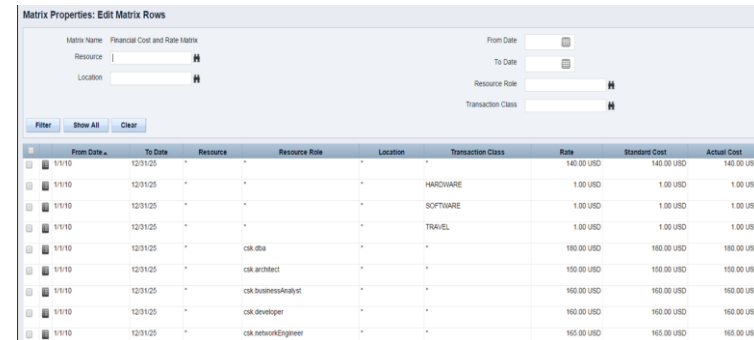
Key Outcomes: Why Rate Matrix Adapter?



- Reduces overhead on financial administrators for making updates to rate matrix when rate changes occur frequently and the rate matrix contains many rows.
- By importing the most recent rates in CA PPM, investment costs are accurately calculated in compliance with financial norms.
- Automation with validation for data quality and correctness of rate matrix rows prior to loading in to CA PPM.
- Reduces scope for errors by eliminating manual data entry.
- Provides complete administrative control for determining the frequency of update to Rate Matrix in CA PPM via CA PPM's native job scheduler.
- Robust error handling and reporting via multiple portlets.

What Does the Rate Matrix Adapter Automate?

Ensures that the Rate Matrix in CA PPM is updated and in sync with the resource rates mandated by finance.



	From Date	To Date	Resource	Resource Role	Location	Transaction Class	Rate	Standard Cost	Actual Cost
	1/1/10	12/31/25	*	*	*		140.00 USD	140.00 USD	140.00 USD
	1/1/10	12/31/25	*	*	*	HARDWARE	1.00 USD	1.00 USD	1.00 USD
	1/1/10	12/31/25	*	*	*	SOFTWARE	1.00 USD	1.00 USD	1.00 USD
	1/1/10	12/31/25	*	*	*	TRAVEL	1.00 USD	1.00 USD	1.00 USD
	1/1/10	12/31/25	*	csk_dba	*	*	180.00 USD	180.00 USD	180.00 USD
	1/1/10	12/31/25	*	csk_architect	*	*	150.00 USD	150.00 USD	150.00 USD
	1/1/10	12/31/25	*	csk_businessAnalyst	*	*	160.00 USD	160.00 USD	160.00 USD
	1/1/10	12/31/25	*	csk_developer	*	*	160.00 USD	160.00 USD	160.00 USD
	1/1/10	12/31/25	*	csk_networkEngineer	*	*	165.00 USD	165.00 USD	165.00 USD

Figure 1: Rate Matrix

How It Works

The Rate Matrix Adapter accepts rate data from any source 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 Rate Matrix 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 of 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 Rate Matrix Adapter:

- **Rate Matrix Adapter** portlet provides the summary information for all Rate Matrix Adapter jobs with ability to filter for a specific execution of the Rate Matrix Adapter job.
- **Rate Matrix Adapter Archive** portlet provides the summary information of validation errors, warnings and errors from XOG for a specific execution of the Rate Matrix Adapter job.
- **Rate Matrix Adapter Errors** portlet provides detailed information on the validation errors, warnings and run time errors for a specific execution of the Rate Matrix Adapter job. This portlet helps identify the source of the error, to take corrective actions.
- **Rate Matrix Adapter XOG** portlet provides detailed information on the XOG input and output generated in a specific execution of the Rate Matrix Adapter job. This portlet helps identify XOG errors, to take corrective actions.

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

TIPS:

- The Rate Matrix XOG cannot make incremental updates. The XOG overwrites all entries and deletes existing entries if they are not included in the XOG XML. Therefore, in deployments involving large number of entries in the rate matrix, the Rate Matrix Adapter may impact system performance and frequent updates must be avoided.
- The structure of the Rate Matrix must be thoroughly tested for accuracy before the Rate Matrix Adapter is implemented.

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.