

Oracle's Primavera Gateway

Oracle's Primavera Gateway provides a standard data integration solution for connecting Primavera Applications internally and with other enterprise applications.

Organizations can manage full project lifecycles by aligning their back-office budgets, actual costs, assets, labor, and material resources with project operations to ensure accurate forecasting of costs, resources, and schedules. Core project portfolio management (PPM) solutions have traditionally operated in silos, separate from other key enterprise processes. This results in poor visibility into cost and budget overruns, sub-optimal utilization of resources, and increased risk of project failure. Enabling integrated project-based business processes without the need for duplicate data entry is a key factor to ensure project success regardless of complexity, variability, and volume of project-related data.

INCREASED PROFITABILITY THROUGH SUPERIOR TRANSPARENCY

With billions of dollars at stake and mission-critical projects on the line, project-driven and asset-intensive organizations have no choice but to keep a tight rein on cost, schedules, materials, and resources. Primavera Gateway helps them do so by providing an accurate and real-time picture of performance across all projects, programs, and portfolios of projects throughout the lifecycle.

Complete. By aligning costs and schedules in user-friendly applications that integrate easily with Primavera project portfolio management applications as well as third-party systems, enterprise resource planning, and asset management solutions, Primavera Gateway helps organizations reduce project risks and meet critical delivery dates by effectively forecasting and managing costs, schedules, materials, and resources across the enterprise or at a single site.

Extensible. Primavera Gateway is highly scalable, giving asset-intensive organizations the power to manage projects, or portfolios of projects, of any size and type. Primavera Gateway enables the interoperability needed between Primavera and third-party applications, so organizations can more effectively plan and manage resource requirements for all types of projects or maintenance work—handling outages, overhauls, shutdowns, turnarounds, capital expansion, or daily maintenance.

Supported. Providing customers with a standard Java technology for streamlining business processes, Primavera Gateway swiftly and reliably integrates data from any external application, such as project costing, asset maintenance, materials management, and human resources modules within ERP and EAM solutions. As a result, Primavera Gateway users are able to continue to employ legacy solutions to manage their businesses while relying on Oracle's Primavera solutions to more easily manage their projects, portfolios, and resources across the enterprise. Essentially, Primavera Gateway reduces the risk of project cost overruns and delays by enabling timely and trusted insight into project costs, schedules, material availability, and resource utilization (see Figure 1).

Key Benefits

- Enterprise-wide project, portfolio, and resource management transparency
- Reduced total cost of ownership
- Easy, configurable, and customizable data synchronizations
- Data consistency between applications
- Improved collaboration with internal and external groups
- Reliable reporting of project parameters across applications

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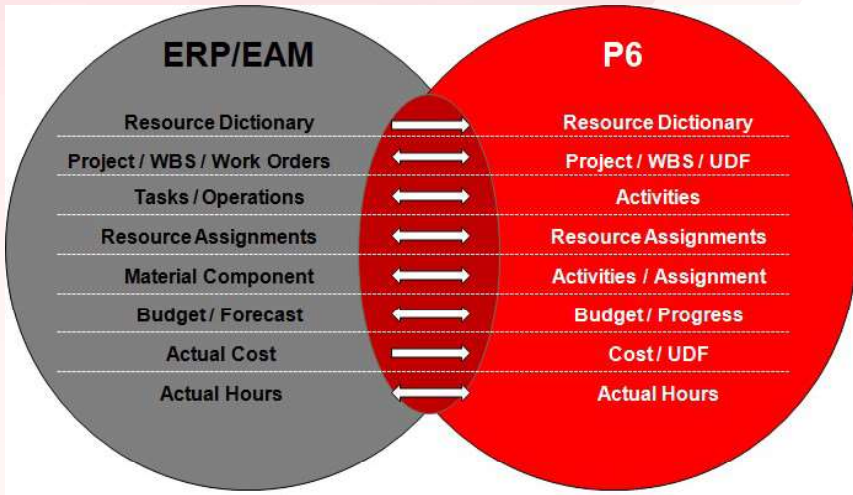


Figure 1. A sample view of the Primavera Gateway-facilitated bidirectional data flow between Primavera and typical ERP / Asset Management solutions.

Key Features

- Web-enabled user interface
- Application-agnostic integration capability for Primavera applications
- Standard Java application with no dependency on third-party middleware
- Extensible integration solution with configuration and customization options for each business application
- Designed for scalability and high-performance data exchange

EASY DEPLOYMENT AND CONFIGURATION

Deployable on Weblogic Server, Primavera Gateway does not require expensive and cumbersome middleware, dramatically simplifying the installation and configuration of an organization’s integration processes (see Figure 2).

Primavera Gateway Architectural Overview

- Standard Java Web Application
- Pre-build integration providers for Primavera
- Pluggable providers for external applications
- Seeded data maps and flows to support industry best practices

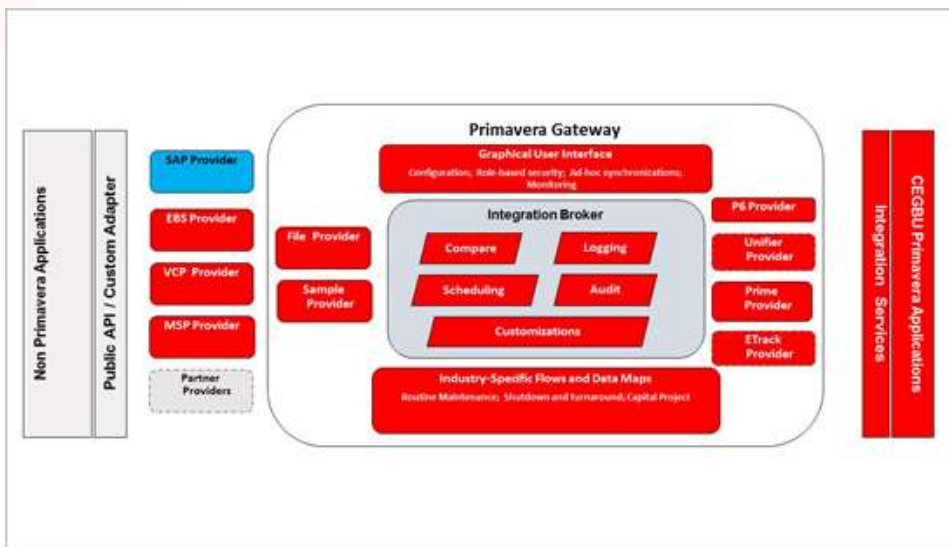


Figure 2. Primavera Gateway deployment.

MANUAL AND AUTOMATIC DATA SYNCHRONIZATION

A web-enabled user interface allows secure access to key functional areas of integration, such as synchronization, template management, administration, and execution of data exchange between Primavera EPPM and the third-party application (see Figure 3).

Key Integration Synchronization Capabilities

- Execution of data synchronizations
- In-built scheduler
- Monitoring and data logging

Synchronization Name	Business Flow	Description	Flow Type	Source	Destination	Next Run	Event Listener	Last Run	Last Run Status
Create PE EPS in Prime as EPS case	Create EPS Case in Prime	The flow sends PE EPS to Prime as Project C...	Master Data	PE	Prime	N/A	N/A	N/A	Never Run
Create project header - PE to Prime	Create project header - PE to Prime	The flow sends PE Project header information t...	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Create project header - Prime to PE	Create project header - Prime to PE	The flow sends Prime Project header data to...	Project Data	Prime	PE	N/A	N/A	N/A	Never Run
Create Workspace structure in PE as Prime	Create Workspace Case in PE	The flow sends Prime workspace structure to P...	Master Data	Prime	PE	N/A	N/A	N/A	Never Run
Get location and assignments from PE to	Get location and assignments from PE	Creating table activity location information fr...	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Get Activity data from PE	Get Activity data from PE	The flow sends activity information from PE	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Get Resources and Roles Data from PE to E	Get Resources and Roles Data from PE	Creating table Role Sheets from PE to Unlink	Master Data	PE	Unlink	N/A	N/A	N/A	Never Run
Map PE Budget Project Data Flow for create	PE Export Project Data Flow for creating	The flow sends activity project header, resourc...	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Map PE Export Project Data Flow for update	PE Export Project Data Flow for updating	The flow sends activity project header, resourc...	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Sample request Project Synchronization	Sample Input Project Data Flow	The flow sends activity project header, resourc...	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Send Activity Data to PE	Send Activity Data to PE	The flow sends activity data from Unlink to PE	Project Data	Unlink	PE	N/A	N/A	N/A	Never Run
Send Approved Budget & Plan data from PE	Send Approved Budget & Plan data to PE	The flow sends approved budget and plan data...	Project Data	Prime	PE	N/A	N/A	N/A	Never Run
Send PE project data to Prime for schedule	Send PE project data to Prime for Schedu...	The flow sends activity, calendar, activity relat...	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Send PE project data to Prime for cost	Send PE project data to Prime for Cost	The flow sends activity, calendar, activity relat...	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Send PE project data to Prime for scope	Send PE project data to Prime for Scope	The flow sends activity, calendar, activity relat...	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Send PE Resources and Roles to Prime	Send Resources and Roles to Prime	The flow sends resources, roles and associate...	Master Data	PE	Prime	N/A	N/A	N/A	Never Run
Send PE Resources to Prime	Send Resources to Prime	The flow sends resources and associated data...	Master Data	PE	Prime	N/A	N/A	N/A	Never Run
Send PE Roles to Prime	Send Roles to Prime	The flow sends role data from PE to Prime	Master Data	PE	Prime	N/A	N/A	N/A	Never Run
Send Planned Budget & Plan data from PE	Send Planned Budget & Plan data to PE	The flow sends approved budget and plan data...	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Send Prime project data to PE	Send Prime project data to PE	The flow sends activity, project header, data...	Project Data	Prime	PE	N/A	N/A	N/A	Never Run
Send Prime project data to PE for cost	Send Prime project data to PE for cost	The flow sends activity, role data, project and...	Project Data	Prime	PE	N/A	N/A	N/A	Never Run
Send Project Actual Cost & Progress from P	Send Project Actual Cost & progress	The flow sends project actual cost and progress	Project Data	PE	Prime	N/A	N/A	N/A	Never Run
Send Proposed Budget & Plan data from P	Send Proposed Budget & Plan data to P	The flow sends proposed budget and plan dat...	Project Data	Prime	PE	N/A	N/A	N/A	Never Run
Send to Primavera Unlink	Send to Primavera Unlink	The flow sends CDS table creation summary &...	Project Data	PE	Unlink	N/A	N/A	N/A	Never Run
Update from Primavera Unlink	Update from Primavera Unlink	The flow sends CDS table data from Unlink to PE	Project Data	Unlink	PE	N/A	N/A	N/A	Never Run

Figure 3. Running data synchronization in Primavera Gateway.

IMPLEMENTATION PARTNERS

With the ability to deploy Primavera Gateway in unique manner for each customer, Oracle Consulting and Oracle Partners will provide customer-specific feasibility assessments, implementation services, and training that focus on the customer's business process.