

# 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

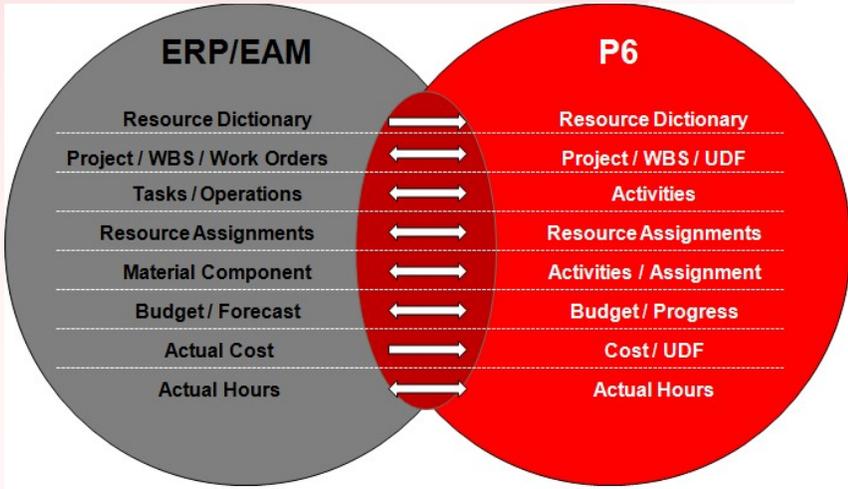


Figure 1. A sample view of the Primavera Gateway-facilitated bidirectional data flow between Primavera and typical ERP / Asset Management solutions.

**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

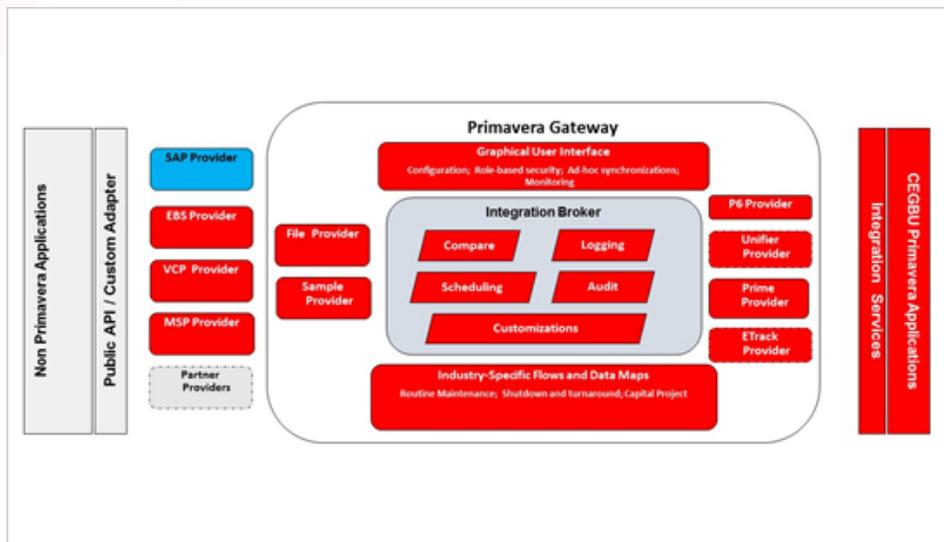


Figure 2. Primavera Gateway deployment.

## 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 Code           | Create EPS Code 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 P...       | Project Data | Prime  | PE          | N/A      | N/A              | N/A      | Never Run       |
| Create Worktype Structure in PE as Prime     | Create Worktype Code in PE               | The flow sends Prime worktype structure to P...        | Master Data  | Prime  | PE          | N/A      | N/A              | N/A      | Never Run       |
| Get Activities and assignments from PE for   | Get Activities and Assignments from P    | Created table: Activity Structure Under Order t...     | 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 sheet information from         | Project Data | PE     | Unlink      | N/A      | N/A              | N/A      | Never Run       |
| Get Resource and Rate Rates from PE for E    | Get Resource and Rate Rates from PE      | Created table: Rate Sheets from PE to Unlink t...      | Master Data  | PE     | Unlink      | N/A      | N/A              | N/A      | Never Run       |
| Map PE Export Project Data Flow for create a | PE Export Project Data Flow for creating | The flow sends activity, project header, resourc...    | Project Data | PE     | Sample      | 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     | Sample      | N/A      | N/A              | N/A      | Never Run       |
| Sample Import Project Synchronization        | Sample Import Project Data Flow          | The flow sends activity, project header, resourc...    | Project Data | Sample | PE          | N/A      | ProjectSheetList | 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      | 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 Rate       | Send PE project data to Prime for Rate   | The flow sends activity, activity rate, calendar, p... | Project Data | PE     | Prime       | N/A      | N/A              | N/A      | Never Run       |
| Send PE project data to Prime for Schedule   | Send PE project data to Prime for Sch    | The flow sends activity, calendar, activity relate...  | 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 relate...  | 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, rates, and associated        | Master Data  | PE     | Prime       | N/A      | N/A              | N/A      | Never Run       |
| Send PE Resources to Prime                   | Send Resources to Prime                  | The flow sends resource and associated data            | Master Data  | PE     | Prime       | N/A      | N/A              | N/A      | Never Run       |
| Send PE Rates to Prime                       | Send Rates to Prime                      | The flow sends rate 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       | The flow sends planned 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 and WBS data f...     | 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, task, task, 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 t    | 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      | 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 CBS data (duration summary, a...        | Project Data | PE     | Unlink      | N/A      | N/A              | N/A      | Never Run       |
| Update from Primavera Unlink                 | Update from Primavera Unlink             | The flow sends CBS code 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.

