



Make P6 integration development easier and faster.

EAI P6 Cloud API

THE CHALLENGE

Accessing P6 data via the existing Oracle P6 API or Web Services can be a daunting task during an integration project. With hundreds of tables to work with, it can be complex and time consuming for an organization to take on the effort of learning how the API works and how to integrate it with the other corporate tools. This can also be an expensive approach to building the integration. Another consideration for a P6 integration is the volume of data that P6 will need to be sending into other tools every time the team re-schedules the projects; large volumes of data will be interacting from P6 with other systems. Investing in out-of-the-box middleware tools may seem like a good strategy, however the vanilla nature of these tools often falls short on ease of use and also on performance. Developing integrations from scratch is also an option but even more costly and very time consuming to build and full of potential issues since not all data P6 shows to the users is actually stored in the database.

USING ONLY ORACLE'S API	ENHANCED WITH THE EAI P6 CLOUD API
Development is more cumbersome and slower	Development is easier and faster
All data structures are tabular	Different data structures fit for particular purposes, such as simplified handling for hierarchies, codes, and UDFs
The code to make it both performant and correct has to go in your application	Much of the code to make it both performant and correct has already been developed and is part of the cloud API
Changing from WS to API or vice versa requires a full rewrite	Changing from WS to API or vice versa requires only rebuilding with different parameters, which can be completed in hours
You pay us per hour to write all code in your application	You pay us a fixed fee for a lot of high quality, battle-tested code that will accelerate your application's development and make it more performant



CONTACT US

hq 403.686.7100

toll free 1.877.316.6005

emerald@emerald-associates.com

www.emerald-associates.com

THE SOLUTION

During a P6 integration project, Emerald recommends purchasing the subscription to the EAI P6 Cloud API to ensure the fastest development during the project and the quickest processing speed for the integration transactions after rollout. Emerald used our 28 plus years of integrating Primavera tools to develop the EAI P6 Cloud API making integrating data into and out of P6 much easier and cheaper. The EAI P6 Cloud API has sophisticated built in technology that manages data from hundreds of P6 tables and from all your projects. The EAI P6 Cloud API processes streamline the integration efforts tables into pre-existing data bundles based on usual business processes required for integration. These bundles make integrating more efficient and remove all unnecessary processing making the integration more performant. This is particularly valuable when sending real time date, tasks, and resource updates into other systems. All complex data, including the resource and cost spreads and earned value information, are available in the EAI P6 Cloud API.

The EAI P6 Cloud API has the basic plumbing code that streamlines the integration effort, saving significant consulting costs for the project. Our sophisticated querying processes also take into account the way integration data is typically bundled, making the performance much faster than vanilla integration middleware tools and the basic Oracle API approach. The EAI P6 Cloud API is also being maintained with new releases and versions of P6 with ongoing improvements as new features are being added to P6.

THE BENEFITS

- API type transparency – build for either WS or the API effortlessly
- Increased quality of integration
- Faster performance for P6 integration particularly for large datasets
- Reduced costs to build and maintain P6 integration

SAMPLE USE CASES

ORACLE FUSION <-> P6

Projects created in Oracle Fusion and integrated with project estimates and tasks from P6 on premise using Oracle Fusion API and EAI P6 Cloud API. Actual resources and expense costs sent from Oracle Fusion into P6 and P6 forecasting sent into Oracle Fusion. Both project and ledger currencies managed, as well as hours for labour and equipment resources.

- WBS – create/update/summarize and consolidate and rollup
- Tasks – managed in P6 with durations and logic integrated to Fusion for billing and charging against
- Resources – Auto-create any new resources for labour, materials and equipment that are assigned within Oracle Fusion Resources Assignments. Create and update resource assignments including percent complete forecasting to allow resource management and estimate accountability
- Expenses – create/update expenses including percent complete forecasting

- P6→Oracle Fusion – allow revising the budget in P6 and updating the Fusion budget automatically
- P6→Oracle Fusion – allow all progress updating and forecasting of physical percent complete, units percent complete and start and finish dates to be managed and overwritten in P6

SAP HANA CLOUD <-> P6

Create Work Orders from SAP Hana Cloud into P6 Azure Cloud for detailed task and resource management in P6 using Mulesoft and EAI P6 Cloud API. Create SAP Operations and supporting resource limits as new resources are introduced in SAP.

- WBS – create/update SAP operations into P6
- Tasks - create/update tasks from SAP operations
- Relationships – create/update relationships from SAP and allow P6 schedulers to change and update them back from P6

MAXIMO <-> P6

Integrating capital projects and maintenance work orders from Maximo to P6 using Maximo IFACE tables and EAI P6 Cloud API to allow detailed planning and resource management within P6. Create new tasks from P6 via Informatica when schedulers needed to add additional supporting tasks to the schedule.

- WBS – create/update/summarize and consolidate and rollup
- Tasks – managed in P6 with durations and logic and integrated to Fusion for billing and charging against
- Resource Assignments – create and update resource assignments including percent complete forecasting to allow resource management and estimate accountability
- Expenses – create/update expenses including percent complete forecasting