

# What's New

## New Features in Primavera Gateway 20

### Features Introduced in 20.12

The following features are available in Primavera Gateway for all user roles.

**Data Migration Data Flow added to Primavera Gateway:** A new flow type called **Data Migration** has been added to allow you to migrate P6 data from one P6 EPPM environment to another. It transfers all P6 data using P6 Import / Export web services. For more details on how to execute this data flow, see the *P6 Data Migration Guide*.

The screenshot shows the 'Add Business Flow' dialog in the Primavera Gateway interface. The dialog has a progress bar at the top with six steps: 1. General (selected), 2. Mappings, 3. Source App Parameters, 4. Destination App Parameters, 5. Custom Steps, and 6. Summary. Below the progress bar, there are fields for 'Source' (P6), 'Destination' (P6), and 'Business Flow Name' (P6 Data Migration Flow). There are also checkboxes for 'Compare Flag' and 'Use Custom Steps'. A 'Description' text area contains the text: 'Data Migration flow to transfer P6 data between distinct P6 EPPM environments using P6 Import / Export Web Services.' At the bottom right, there are 'Cancel' and 'Next >' buttons. The background shows the Primavera Gateway interface with a sidebar menu and a top header.

**Additional Currency Fields added to Primavera Cloud Data Dictionary:** New fields have been added to the **Project** object in the Primavera Cloud data dictionary of Primavera Gateway.

For detailed field information, refer to the *Primavera Gateway Providers Data Dictionary*.

**Additional Currency fields added to Gateway Data Dictionary and File Provider Data Dictionary:** New fields have been added to the **Project** and **Currency** objects in the Gateway data dictionary and File provider data dictionary of Primavera Gateway.

For detailed field information, refer to the *Primavera Gateway Providers Data Dictionary*.

## Features Introduced in 20.11

The following feature is available in Primavera Gateway for all user roles.

**Cost and Rate Fields added to Data Dictionaries:** In the Primavera Cloud, Gateway, and File Provider data dictionaries of Primavera Gateway, new fields have been added to the following objects:

- ResourceRate
- RoleRate
- ResourceAssignment
- Project
- Activity

For detailed field information, refer to the *Primavera Gateway Providers Data Dictionary*.

## Features Introduced in 20.10

The following feature is available in Primavera Gateway for all user roles.

**Support for Multiple Projects in CSV and Excel Data Files:** To send data from multiple projects to a destination application, you can now create a CSV or Excel file including data from multiple projects, set up a File Provider deployment and business flow in Gateway and run a synchronization to transfer data to the destination application. The data in the CSV and Excel file can be further organized by object or by project. For more details and examples of source files with multiple projects, see the chapter, *Working with Supported File Formats*, in the *File Provider Setup Guide*.

## Features Introduced in 20.9

The following features are available in Primavera Gateway for Gateway administrators, developers and users:

**Object Logging Added in Gateway Settings:** A new option, **Enable Object Logging for Jobs** has been added in the **General** tab of Gateway Settings. Select this option to disable the display of data at the object level in the **Data Details** tab of the **Monitoring** page, and improve performance.

Settings

Job polling interval (in seconds)  
2

Job timeout value(in minutes)  
300

Maximum File Size Limit (in MB)  
1024

Maximum job log size for XML format (in MB)  
10

☒ Enable Configurable Consent Forms

☐ Disable Logging For Jobs

☒ Enable Object Logging for Jobs

Cancel Save

**Primavera Cloud Destination Parameter added to Business Flows:** A following parameter has been added when Primavera Cloud is a destination provider in a master data or project data business flow.

- **Save data to Primavera Cloud if there are errors?**

Use this setting to determine how data is to be processed when a job fails in Gateway. Select this option if you want to save the data in Primavera Cloud when a synchronization job fails in Gateway. Otherwise, deselect this option to ensure data is not saved in Primavera Cloud for failed jobs.

Edit Business Flow

General Mappings Source App Parameters **Destination App Parameters** Custom Steps Summary

Value	Attribute
Workspace Location	Required
Primavera Cloud Location Filter	Hidden
<input checked="" type="checkbox"/> Save data to Primavera Cloud if there are errors?	Hidden
Email Notification	Hidden
<input type="checkbox"/> Provide email notification for selected job status	Hidden

< Back Cancel Save Next >

## Features Introduced in 20.7

The following features are available in Primavera Gateway for Gateway administrators, developers and users:

**Activity Sheet integration between Primavera Unifier and Oracle Primavera Cloud:** Activity data integration between Primavera Cloud and Unifier has been updated to send activity sheet data from Unifier to Oracle Primavera. Activity data can now be updated bidirectionally. A new business flow, and synchronization, **Send Activity data from Unifier to Primavera Cloud** has been added in Primavera Gateway. For more details see *Primavera Gateway, Oracle Primavera Cloud, and Unifier Setup Guide*.

**Edit Synchronization**

1 **Flow & Deployments** 2 Parameters 3 Summary

Select a business flow and deployments for the synchronization.

**Synchronization Name \*** **Business Flow \***

Send Activity data from Unifier to Send Activity data from Unifier to

**Description**

The flow updates activity data in Primavera Cloud with Unifier Activity Sheet.

**Source** **Destination**

Unifier Deployment Primavera Cloud Deployment

Cancel Save Next >

**Parameter Syntax for Gateway Scripting Language:** A new syntax has been added to set or update existing parameters using the following syntax:

Parameter["parameter name"] = "parameterValue";

For more details, see the *Primavera Gateway Scripting Language Guide*.

The screenshot displays the Oracle Primavera Gateway Configuration interface. The left sidebar contains navigation options: Data Dictionary, Flow Type, Synchronizations, Monitoring, and Configuration (highlighted). The main panel is titled 'Configuration' and includes tabs for Deployments, Field Mapping Templates, Import/Export, Custom Steps (active), Add-Ins, and File Converters. Below these tabs is a table with columns: Name, Description, Provider, Flow Side, Flow Type, and Enabled. The table contains one entry: 'Parameter Syntax' with a description of 'Parameter Syntax', provider 'Primavera Cloud', flow side 'Destination', flow type 'Project Data', and enabled status 'Yes'. Below the table is a 'Formula' section with a text area for scripting. The formula text is as follows:

```
1 <Project> project = <Project>.findOne (myTempProject -> true); // returns the first project as assigns to a variable
2
3 // Dynamically set the workspace location for the project to save in based the name of the project
4 if (project.projectName == "Enterprise") {
5     Parameter["WorkspaceLocation"] = "Enterprise";
6 } else {
7     Parameter["WorkspaceLocation"] = "Industrial";
8 }
```

**Updates to Calendar Object in Gateway Providers Data Dictionaries:** The Calendar object has been updated in the following data dictionaries: Gateway, File, and Primavera Cloud providers. For more details, see the *Primavera Gateway Providers Data Dictionary*.

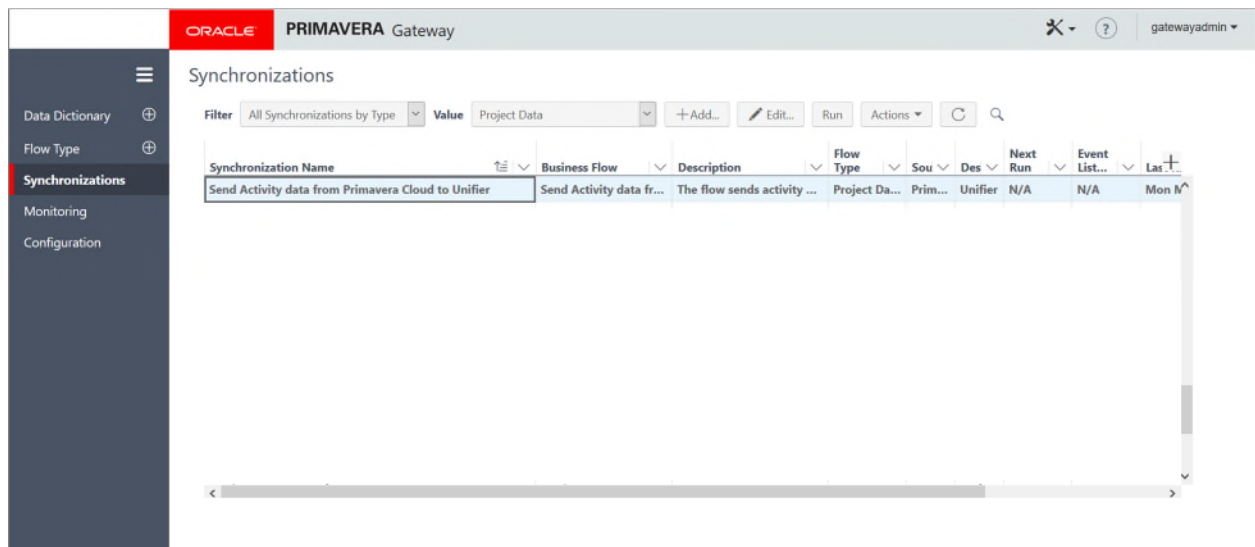
Also, any out-of-the-box field mapping templates that use the Calendar object have also been updated to reflect the updated fields between the above providers. For more details, see the relevant setup guides to review the updated field mapping templates.

**Supported Codes and UDFs in Gateway Providers:** Depending on the integration, each provider supports applicable codes and UDFs. A new appendix has been added in the relevant setup Guides that lists the codes and UDFs supported by each provider.

## Features Introduced in 20.6

The following features are available in Primavera Gateway for Gateway administrators, developers and users:

**Activity Sheet integration between Primavera Unifier and Oracle Primavera Cloud:** Activity data from Oracle Primavera Cloud can be sent and integrated with activity sheet data in Primavera Unifier using the business flow and synchronization, **Send Activity data from Primavera Cloud to Unifier** in Primavera Gateway. For more details see *Primavera Gateway, Unifier, and Oracle Primavera Cloud Setup Guide*.



**Updates to Gateway Providers Data Dictionaries:** The following updates have been made in the data dictionaries:

- An ActivityStep object with its corresponding fields have been added to Gateway, P6, and File provider data dictionaries
- The RoleRate object has been updated with new fields in P6, Unifier, Gateway, and File Provider data dictionaries
- Fields in the Oracle Primavera Cloud data dictionary have been extensively renamed. This also impacts the field mapping templates associated with any integration related to Primavera Cloud

For more details see the *Primavera Gateway Providers Data Dictionary*.

**Improved Navigation in Primavera Gateway:** To improve the visual display of information in Primavera Gateway, you can customize the column headers for tabular data displayed on any page:

- Insert or remove columns in the column header to customize the columns displayed in a table
- Click on a column header to sort, hide, or adjust to fit the columns on a page
- click + on the right end of the header row to display or hide any available column

Business Object	Description
Activity	An activity is a unit of work performed during the course of a project.
ActivityRisk	The activity risk object stores the relationship between a single Activity and a single Risk.
Calendar	Calendars defined the available work hours in each calendar day, and includes global and resou

The customized changes are available only for the session you are logged into Primavera Gateway

**Parent Job Summary menu option for parent-child jobs on the Monitoring job:** To view the status of parent – child jobs, select the **Parent Job Summary** option from the **Actions** menu on the **Monitoring** page.

Parent Job Summary			
<b>Parent Job Status</b>		Failed	
<b>Total Number of Child Jobs</b>		42	
<u>Number of Child Jobs by Status</u>			
<u>Active</u>		<u>Finished</u>	
<b>Never Run</b>	0	<b>Completed</b>	1
<b>Delegated</b>	0	<b>Failed</b>	41
<b>Queued</b>	0	<b>Completed with Warnings</b>	0
<b>Pending</b>	0	<b>Completed with Errors</b>	0
<b>In Progress</b>	0	<b>Canceled</b>	0
<b>Review</b>	0		
			

**Performance Improvement for Parent-Child Jobs:** To improve the performance of parent-child jobs, the details are saved at the parent job level. When you download the job details on the **Monitoring** page, to see the specific filter values used in each child job, the message, *See Job Logs for specific filter value used*, is displayed for the following parameters:

- **P6 Parameters:** P6Filter, ProjectObjectId, \$HiddenProjectId
- **Primavera Cloud Parameters:** PrimaveraCloudFilter
- **Unifier Parameters:** UnifierProjectFilter, Project Template Number, Project Location Number, Import Project Id
- **EnterpriseTrack Parameters:** project\_id, project\_name
- **Sample Provider Parameter:** ERPPProjectFilter
- **Sample External Parameter:** ERPPProjectFilter

## Features Introduced in 20.4

The following features are available in Primavera Gateway for Gateway administrators and developers:

**Redesigned Configuration Page:** The **Configuration** page in Primavera Gateway has been redesigned to support each configuration feature in distinct new tabs. The following have been added:

- Field Mapping Templates tab
- Import/Export tab
- Add-Ins tab

**Field Mapping Templates Tab:** Use the **Field Mapping Templates** tab to add, edit, copy, or delete field mapping templates associated with a business object in Primavera Gateway. For more details, see *Primavera Gateway Online Help*.

The screenshot shows the Primavera Gateway Configuration page with the 'Field Mapping Templates' tab selected. The left sidebar contains navigation links: Data Dictionary, Flow Type, Synchronizations, Monitoring, and Configuration (highlighted). The main content area has tabs for Deployments, Field Mapping Templates (active), Import/Export, Custom Steps, Add-Ins, File Converters, and Consent Forms. Below the tabs, there is a dropdown menu set to 'ActivityCode', buttons for '+Add...', 'Edit...', and 'Actions', and a search icon. A table lists the field mapping templates:

Field Mapping Name	Providers	Business Objects	Type
ActivityCode Field Mappings	P6, P6	ActivityCode, ActivityCode	DIRECT
ActivityCode Fields	Sample, P6	OperationCode, ActivityCode	DIRECT
File-P6 ActivityCode Fields	File, P6	ActivityCode, ActivityCode	DIRECT
Sample-File ActivityCode Fields	Sample, File	OperationCode, ActivityCode	DIRECT



**Import/Export Tab:** Use the **Import/Export** tab to import or export configuration data files. For more details, see *Primavera Gateway Online Help*.

The screenshot shows the 'Configuration' page in Primavera Gateway, specifically the 'Import/Export' tab. The left sidebar contains navigation links: Data Dictionary, Flow Type, Synchronizations, Monitoring, and Configuration (highlighted). The main content area has tabs for Deployments, Field Mapping Templates, Import/Export (active), Custom Steps, Add-Ins, File Converters, and Consent Forms. Under 'Import Configuration Data', there is a 'Select File' button and an 'Import' button. Under 'Export Configuration Data', there are radio buttons for 'By Provider' (selected) and 'By Synchronization'. A 'Provider' dropdown menu is set to 'Primavera Cloud'. A 'Data' dropdown menu is set to 'Business Flow/Synchronizatio...'. An 'Export' button is at the bottom.

**Add-Ins Tab:** Use the **Add-Ins** tab to manage customizations that have been imported into Primavera Gateway using the configuration utility or from the **Import** option in the **Import/Export** tab on the **Configuration** page of Primavera Gateway. For more details, see *Primavera Gateway Online Help*.

The screenshot shows the 'Configuration' page in Primavera Gateway, specifically the 'Add-Ins' tab. The left sidebar is the same as the previous screenshot. The main content area has tabs for Deployments, Field Mapping Templates, Import/Export, Custom Steps, Add-Ins (active), File Converters, and Consent Forms. At the top of the table is a search bar with a magnifying glass icon and a 'Delete' button. The table has five columns: Name, Version, Type, ClassPath, and GUID. Below the table are expandable sections for Parameters, Field Mapping Templates, and Custom Steps.

Name	Version	Type	ClassPath	GUID
Sample Provider Customization	20.4	INTERNAL	com.oracle.pgbu.pdi.sampleprovider.customization.Sampl...	
Unifier Flexible Mapping Customization	20.4	INTERNAL		
Sample External Step	20.1	EXTERNAL		0f7d64c4-94a8-44a3-b4cf-5f3e76...
Sample Flexible Mapping Customization	1.0	INTERNAL		
RoleToResource	1.0	INTERNAL		
Test Internal Custom Step Customization	17.2.0.0	INTERNAL	com.oracle.pgbu.pdi.samplecustomization.TICTCustomization	

**Project Data Parameter to Support Business Flows for ActivitySheet Object in Unifier:** A new destination parameter, **Include only updated data since last run?**, has been added to the project data business flow when data is transferred between P6 and Unifier. Use this parameter when you select only Project and Activity field mapping templates in the **Business Flow** wizard to create an ActivitySheet and update ActivitySheet in Unifier.

**Note:** You can also include objects without selecting a mapping template.

## Feature Introduced in 20.3

The following feature is available in Primavera Gateway for Gateway users and administrators:

**Project Search Lookup in Source Applications Extended to Unifier:** In the Synchronization wizard, a new filter criteria, **Look up <product>**, has been added to the Project Filter parameter in the Unifier provider which allows you to select projects directly in Unifier. Depending on the source application, you can now search for projects directly in Unifier, Primavera Cloud, or P6 EPPM.

## Legal Notices

Oracle Primavera Gateway What's New

Copyright © 1998, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software or hardware and documentation may provide access to or information on content, products and services from third-parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.