Oracle
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Gateway Providers Data Dictionary

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Overview

The *Primavera Gateway Providers Data Dictionary* provides a comprehensive listing of all business objects and all associated fields available with each Primavera provider delivered with Primavera Gateway. Review the list of supported business objects in each application to determine the data that needs to be supported for integration in Primavera Gateway.

To view these business objects in the Primavera Gateway user interface log in to Gateway and select the **Data Dictionary** menu.

Within our documentation, some content might be specific for cloud deployments while other content is relevant for on-premises deployments. Any content that applies to only one of these deployments is labeled accordingly.

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Supported Integrations

Integrations between the following Primavera applications are supported and delivered in Primavera Gateway:

Integrations With	P6 EPPM	Sample	File
Oracle Primavera Cloud	x	x	x
Oracle Instantis EnterpriseTrack		x	x
P6 EPPM	x	x	x
Primavera Unifier	x	x	x

Flow Types Supported by Primavera Providers

Primavera Gateway supports the following flow types:

- Master Data

  Use this flow type to export or import master data between two applications or between distinct P6 deployments. For example, export master data from P6 to Primavera Cloud.
- Project Data

  Use this flow type to export or import project data between two applications or between distinct P6 deployments. For example, export project data from P6 to Primavera Cloud.

- Migration Data

  Use this flow type to migrate P6 data to Primavera Cloud, or another P6 EPPM environment . It transfers all P6 data using P6 Import / Export web services.

The following table identifies the default flow types supported for each Primavera provider:

Flows	EnterpriseTrack	P6	Primavera Cloud	Sample	Unifier	File
Master Data		x	x	x	x	x
Project Data	x	x	x	x	x	x
Migration Data		x	x			

EnterpriseTrack Business Objects

For the EnterpriseTrack provider, the Project business object is available in the **Data Dictionary** menu in the Gateway user interface. Select this business object to review a detailed list of fields supported for an EnterpriseTrack project.

Business Object	Description
Project	A project is a temporary endeavor undertaken to create a unique product, service, or result. Project fields will depend on an initiative. Project attributes for different initiatives will be different, as some of the settings are initiative specific.The following fields are available for an EnterpriseTrack project.
ProjectFinance	The EnterpriseTrack Project Finance object contains actual values associated with a project finance structure. To import or export a ProjectFinance object, you will need to select the following objects in the field mapping template: ▸ Project ▸ ProjectFinance ▸ ProjectFinanceElement **Note:** By default, all ProjectFinance related business objects are commented in the metadata XML file. You will need to remove the comment tags if you wish to use this object to integrate data with your ERP application.
ProjectFinanceElement	The EnterpriseTrack ProjectFinanceSnapshot object is a representation of the project finance values at a specific point in time. To import or export a ProjectFinanceSnapshot object, you will need to select the following objects in the field mapping template: ▸ Project ▸ ProjectFinance ▸ ProjectFinanceSnapshot ▸ ProjectFinanceElement **Note:** By default, all ProjectFinance related business objects are commented out in the metadata XML file. You will need to remove the comment tags if you wish to use this object to integrate data with your ERP application.

Business Object	Description
ProjectFinanceSnapshot	The EnterpriseTrack ProjectFinanceElement is the most granular unit of the project finance structure. To import or export a ProjectFinanceElement object, you will need to select the following objects in the field mapping template: ▸ ProjectFinance ▸ ProjectFinanceSnapshot ▸ ProjectFinanceElement **Note:** By default, all ProjectFinance related business objects are commented out in the metadata XML file. You will need to remove the comment tags if you wish to use this object to integrate data with your ERP application.

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Project

Description: A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities. The following fields are available for an EnterpriseTrack project:

Field	Type	Description	Read-Only
business_unit	String	[Business Unit] Organization hierarchy - Business Unit	No
calendar_id	String	[Calendar] Project calendar name	No
consider_for_finances	String	[Include in Financial Calculations] Consider for finances flag	No
currency_code	String	[Currency] Project currency	No
default_laborexpensetype	String	[Default Labor Expense Type] Default expense type	No
division	String	[Division] Organization hierarchy - Division	No
emailnotification_flag	String	[Send Email Notifications] Email notification flag	No

Field	Type	Description	Read-Only
externalmode_datesduration	String	[Computation mode for dates and duration] External mode - Dates Duration	No
externalmode_durationeffort	String	[Computation mode for duration and efforts] External mode - Duration Effort	No
externalmode_effortcost	String	[Computation mode for efforts and cost] External mode - Effort Cost	No
fin_approval_template_id	String	[Finance Approval Template] Finance approval template	No
fin_edit_mode	String	[Finance Edit Mode] Finance edit mode	No
fin_track_start_date	String	[Finance Tracking Start Date] Finance tracking start month	No
fintemplateid	String	[Finance Template] Finance template	No
functional_area	String	[Functional Area] Functional area	No
grace_period_for_completed_activities_in_ts	String	[Allowed Grace Period In Days For Completed Activities] Grace period for completed activities in timesheet	No
grace_period_for_future_activities_in_ts	String	[Allowed Grace Period In Days For Yet To Start Activities] Grace period for future activities in timesheet	No
initial_forecast_cost	Double	[Initial Forecast Cost] Initial Forecast - Cost	No
initial_forecast_savings	Double	[Initial Forecast Benefits] Initial forecast - Savings	No
initial_forecast_total	Double	[Initial Forecast Total] Initial forecast - Total	No
is_capitalization_enabled	String	[Is Labor Cost Capitalization Enabled ?] Is capitalization enabled flag	No
Is_capitalized	String	[Is Capitalized] Is capitalized flag	No
is_etc_enabled_for_timesheet	String	[Is Estimated Time To Complete Enabled For Timesheets?] ETC	No

Field	Type	Description	Read-Only
		enabled for timesheets flag	
is_etc_required_for_timesheet	String	[Is Estimated Time To Complete Required For Timesheets?] ETC required for timesheet flag	No
is_fin_lock_global	String	[Use Global Lock Month] Global finance lock flag	No
is_laborexpensetype_mandatory	String	[Is Labor Expense Type required for Activities ?] Labor Expense mandatory flag	No
keywords	String	[keywords] Project Keywords	No
object_id	String	The unique ID generated by the system.	No
pcs	String	[Initiative] Project initiative	No
percent_completion_type	String	[Percent Completion Type] Project percent completion type	No
planned_realization_date	String	[Planned Project Close Date] Planned realization date of the project	No
planned_start_date	DateTime	[Planned Project Start Date] Planned start date of the project	No
priority	String	[Priority] Priority	No
project_fin_lock_date	DateTime	[Project Finance Lock Month (yyyy/mm/dd)] Project finance lock date	No
project_name	String	[Project Name] Project name	No
project_number	Int	[Project ID] Project number	No
project_status	Enum	[Status] Project status	No
project_type	String	[Project Type] Project type	No
resource_computation_enabled	String	[Resource Computation Enabled] Resource computation enabled flag	No
roadmap	String	[Project Plan] Project roadmap	No
start_date	DateTime	[Actual Start Date] Project start date	No

ProjectFinance

Description: The EnterpriseTrack Project Finance object contains actual values associated with a project finance structure. To import or export a ProjectFinance object, you will need to select the following objects in the field mapping template:

- Project
- ProjectFinance
- ProjectFinanceElement

Note: Project finance data (and finance-related business objects) transfer is supported only between two distinct instances of EnterpriseTrack applications.

Field	Type	Description	Read-Only
fin_data_type	Enum	The finance data type (current / snapshot / structure).	No
fin_edit_mode	Enum	The finance edit mode (M / Y / A); used only when editing.	No
fin_search_mode	Enum	The finance edit mode (M / Y / A); used only when searching.	No
fintemplate_id	String	The name of the project's finance template.	No
fintemplate_version_id	String	The version of the project's finance template.	No
from_month	String	The from (start) month when searching or updating; applicable only if fin_search_mode or fin_edit_mode = M. (YYYY/MM Format) The element level period must be within range of from_month and to_month.	No
from_year	String	The from (start) year when when searching or updating; applicable only if fin_search_mode or fin_edit_mode = Y. (YYYY Format) The element level period must be within range of from_year and to_year.	No
object_id	String	The unique ID generated by the system.	No
operation_type	Enum	The operation type; specifies the operation being performed.	No
project_object_id	ForeignKey	The unique ID of the Project.	No

Field	Type	Description	Read-Only
to_month	String	The to (end) month when searching or updating; applicable only if fin_search_mode or fin_edit_mode = M. (YYYY/MM Format) The element level period must be within range of from_month and to_month.	No
to_year	String	The to (end) year when searching or updating; applicable only if fin_search_mode or fin_edit_mode = Y. (YYYY Format) The element level period must be within range of from_year and to_year.	No

ProjectFinanceSnapshot

Description: The EnterpriseTrack ProjectFinanceSnapshot object is a representation of the project finance values at a specific point in time. To import or export a ProjectFinanceSnapshot object, you will need to select the following objects in the field mapping template:

- Project
- ProjectFinance
- ProjectFinanceSnapshot
- ProjectFinanceElement

Note: Project finance data (and finance-related business objects) transfer is supported only between two distinct instances of EnterpriseTrack applications.

Field	Type	Description	Read-Only
is_default_snapshot	Boolean	The is default snapshot flag; indicates whether or not this is the default snapshot.	No
is_editable_snapshot	String	The is editable snapshot flag; indicates whether or not snapshot can be edited. Used only during export as this is a read-only attribute.	No
object_id	String	The unique ID generated by the system.	No
project_object_id	ForeignK	The unique ID of the Project.	No

Field	Type	Description	Read-Only
	ey		
projectfinance_object_id	ForeignKey	The unique ID of the associated project finance.	No
snapshot_created_by	String	The login ID of the user who created the snapshot.	No
snapshot_created_date	DateTime	The date on which the snapshot was created.	No
snapshot_desc	String	The snapshot description.	No
snapshot_name	String	The snapshot name.	No
snapshot_updated_by	String	The login ID of the user who last updated the snapshot.	No
snapshot_updated_date	DateTime	The date on which the snapshot was last updated.	No

ProjectFinanceElement

Description: The EnterpriseTrack ProjectFinanceElement is the most granular unit of the project finance structure. To import or export a ProjectFinanceElement object, you will need to select the following objects in the field mapping template:

- ProjectFinance
- ProjectFinanceSnapshot
- ProjectFinanceElement

> **Note:** Project finance data (and finance-related business objects) transfer is supported only between two distinct instances of EnterpriseTrack applications.

Field	Type	Description	Read-Only
display_name	String	The display name of the element.	No
element_class	Enum	The element classification; indicates the element's class within the project finance structure.	No
element_type	String	The element type; indicates whether the element is currency or some user-specified; non-currency type (such as kilowatts, hours, etc.).	No
id	String	The finance element ID.	No

mf_type	Enum	The element multiplication factor type.	No
mf_value	String	The multiplication factor value of the element; specifies its impact (contribution) toward computation of parent element values.	No
number_of_units	String	Contains raw data; used if element_type is not currency.	No
object_id	String	The unique ID generated by the system.	No
parent_id	String	The ID of the parent element; this will be empty if element_id is 'Total'.	No
project_object_id	ForeignKey	The unique ID of the Project.	No
projectfinance_object_id	ForeignKey	The unique ID of the associated project finance.	No
sequence_number	String	The sequence of this element within parent; 10, 20, 30, etc.	No
value	String	Contains the actual value of element; editable only when element_type is currency. If element_type is not currency, value is not editable, and is instead computed internally from number_of_units.	No

Gateway and File Provider Business Objects

The following business objects are supported in Gateway as well as the File providers:

> **Note:** If you want to change the read-only status for a specific field in a business object, you will need to modify the Read-Only value for that field in the metadata file of the provider. Gateway developers and administrators can change the read-only status of field.

Business Object	Description
Activity	An activity is a unit of work performed during the course of a project.
ActivityCode	Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.
ActivityCodeType	Activity code types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.
ActivityExpense	Activity expenses are non-resource costs associated with a project and assigned to a project's activities. They are typically one-time expenditures for non-reusable items.
ActivityRisk	The activity risk object stores the relationship between a single activity and a single Risk.
BaselineType	BaselineType fields
BlanketPurchaseOrder	A company level purchase order, which enables agreements with vendors to provide services across multiple projects, released on a per-project/per-period basis with work authorizations against a previously determined maximum.
BlanketPurchaseOrder Detail	Line Items for Blanket Purchase Order
BudgetApproval	used to approve project budget
BudgetApprovalDetail	Line Items for Budget Approval
BudgetChange	For requesting additional (or reduced) budget beyond the existing budget
BudgetChangeDetail	Line Items for Budget Change
BudgetChangeOrder	A change to a budget that is typically created for a contractor that is based on changes to a contract between the

Business Object	Description
	contractor and owner. **Note:** This object is not available in the File provider data dictionary.
BudgetChangeOrderDetail	Line Items for Budget Change Orders **Note:** This object is not available in the File provider data dictionary.
BudgetItem	A budget that is typically created for a contractor that is based on a contract they have with an owner for a project. **Note:** This object is not available in the File provider data dictionary.
BudgetItemDetail	Line Items for Budget Items **Note:** This object is not available in the File provider data dictionary.
BudgetTransfer	For transferring budget from one WBS code to another. Most typically used to release budget contingency to other cost items.
BudgetTransferDetail	Line Items for Budget Transfer
Calendar	The P6 Calendar Object definition
CBS	CBS business object
CBSDurationSummary	CBSDurationSummary business object
CBSExpenseSpread	Summarized spread data per CBS per expense category
CBSResourceSpread	Summarized spread data per CBS per resource assignment
CBSSheet	The project level CBS template which represents the project cost sheet.
CBSSheetCode	The list of all CBS codes defined/inherited at the project level part of a project level CBS.
CBSSheetRow	CBS Sheet Row fields.
CBSSheetSegment	The project level CBS segment definition which governs the hierarchical depth of the CBS and how codes will be concatenated.
CBSSheetRowCost	CBS Sheet Row Cost fields.
CBSTemplate	The workspace level CBS template which consists of CBS codes and CBS segments.
CBSTemplateCode	The list of all CBS codes defined at the workspace level part of a Workspace CBS

Business Object	Description
CBSTemplateSegment	The workspace level CBS segment definition which governs the hierarchical depth of theCBS and how codes will be concatenated.
ChangeOrder	A formal commit change to the contract **Note:** This object is not available in the File provider data dictionary.
ChangeOrderDetail	Line Items for Change Order **Note:** This object is not available in the File provider data dictionary.
Contract	Base Commit for EPC Activities (SOV = Payment Application)
ContractDetail	Line Items for Contract
CostAccount	Cost accounts contain the organization's cost account IDs. Available across all projects, they support tracking of costs and earned value based on the organization's cost account IDs. Cost accounts are hierarchical objects.
CostCategory	The type of cost represented by the line item.
CostColumn	CostColumn is used to exchange the cost sheet data. Cost Sheet is a sheet which will have all the Costs related to different WBS codes for a particular project listed in it. **Note:** This object is not available in the File provider data dictionary.
Currency	Currency fields
EPS	EPS
Estimate	Used to create multiple project estimates and identify the preferred scenario
EstimateDetail	Line Items for Estimate
ExchangeRate	ExchangeRate allows the use of multiple currencies within a project for Cost purposes and are defined at the Company level. ExchangeRate would be used to define the current exchange rate for a currency as compared to the base currency of the Company. **Note:** This object is not available in the File provider data dictionary.
ExpenseCategory	Expense categories are used to categorize project expenses. They are used for standardizing expenses and for rolling up expenses across projects.
FinancialPeriod	Financial periods are used to provide accurate display and reporting of actual units and costs. Financial periods may not

Business Object	Description
	overlap each other and do not have to be contiguous.
FundAppropriation	Fund accounts as assigned to projects
FundAppropriationDetail	Line Items for Fund Appropriation
Invoice	A general process for requesting and approving payments against commitments (invoice at the WBS or breakdown level do not calculate retainage or stored materials)
InvoiceDetail	Line items for invoice
JournalEntry	A process for adjusting spends line items. Most commonly used to reassign costs to alienate cost centers or GL code. Generic spend to transfer across cost codes.
JournalEntryDetail	Line items for Journal Entry
Location	The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.
NotebookTopic	Notebook topics are used to categorize notes on EPS, project, WBS,and activity objects.
Payment	BP to hold Checks Processed Information from Financial System.
PaymentApplication	A process to track your payment information using a standard payment application method (for example, tracking retainage, stored materials, past payments, etc.)
PaymentApplicationDetail	Line Items for Payment Application
PaymentApplicationtoOwner	A payment application that is raised by a contractor to the owner in order for the contractor to receive payment. **Note:** This object is not available in the File provider data dictionary.
PaymentApplicationtoOwnerDetail	Line Items for Payment Applications to Owner **Note:** This object is not available in the File provider data dictionary.
PaymentDetail	Line Items for Payment
PaymentFromOwner	A record of the actual payments a contractor will have received from the owner based on the payment application they presented to the owner. **Note:** This object is not available in the File provider data dictionary.

Business Object	Description
PaymentFromOwnerDetail	Line Items for Payments From Owner **Note:** This object is not available in the File provider data dictionary.
POAmendment	Approval process for purchase order changes
POAmendmentDetail	Line items for PO Amendment
PotentialChangeOrder	Contractor initiated potential change order.
PotentialChangeOrderDetail	Line items for Potential Change Order.
Project	A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities.
ProjectBudget	The total cost of the project budget including all transfers and changes.
ProjectBudgetChange	The estimated cost of a new budget item in a budget.
ProjectBudgetChangeTransaction	The estimated cost of changing a budget item in a budget.
ProjectBudgetItem	The estimated cost of a budget item required to complete a project.
ProjectBudgetTransfer	This is costs transferred from one budget line to another budget line.
ProjectBudgetTransferTransaction	ProjectBudgetTransferTransaction fields.
ProjectCode	Project codes are user-defined codes to classify and categorize projects across the enterprise.
ProjectCodeType	Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.
ProjectFinance	EnterpriseTrack Project Finance.
ProjectFinanceElement	EnterpriseTrack Project Finance Element.
ProjectFinanceSnapshot	EnterpriseTrack Project Finance Snapshot.
ProjectInformation	Project attribute information
ProjectResource	Primavera's resource planning feature allows you to do high-level project planning for future project or project that does not require resource assignments at the activity level.
PurchaseOrder	To track money committed to be spent (General Spends type

Business Object	Description
	Base Commit)
PurchaseOrderDetail	Line items for Purchase Order
Relationship	A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.
RequestforSubstitution	A change of identical material or equipment
RequestforSubstitution Detail	Line items for Request For Substitution
Resource	Resources include labor, nonlabor, and materials that are used for activities across all projects.
ResourceAssignment	Resource assignments track the work of resources or roles that are performing various activities.
ResourceCode	Resource codes are user-defined codes to classify and categorize resources across all projects.
ResourceCodeType	Resource Code Types provide a way of classifying resource codes. Resource codes areuser-defined codes to classify and categorize resources across all projects.
ResourceCurve	Resource curves enable you to specify how you want resource units or costs spread over the duration of an activity.
ResourceRate	Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.
ResourceRole	A resource role object represents an association between a resource object and a role object.
Risk	The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.
RiskAndIssue	A log for documenting, tracking, and estimating impacts of open issues and risks; Log of items that may impact schedule/scope/cost.
RiskAndIssueDetail	Line items for Risk and Issue.
RiskImpact	The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.
RiskMatrix	The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.
RiskMatrixScore	The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.

Business Object	Description
RiskMatrixThreshold	The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.
RiskOverrideCost	The risk override object allows for cost overrides on a risk.
RiskOverrideOther	The risk override object allows for probability and schedule overrides on a risk.
RiskResponseAction	The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.
RiskResponseActionImpact	The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.
RiskResponsePlan	The risk response plan object communicates how the project team plans to address the identified risk.
RiskThreshold	The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.
RiskThresholdLevel	The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.
Role	Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual.
RoleLimit	Role limits define the limits of the maximum work units per time for a Role in a time period.
RoleRate	Role rates enable you to select a predefined price per unit for cost calculating when assigning the role to an activity.
ShellList	Shell List
SOV	Schedule of value (SOV) for General, Payment, and Summary Payment.
Timesheet	Used to capture Employee Timesheets (project / non-project hrs)
TimesheetDetail	Line Items for Timesheet
UDFType	User-defined fields (UDFs) enable users to add custom fields and values to the project database.

Business Object	Description
UnitOfMeasure	The unit of measure provides definitions of units of measure for material resources.
Vendor	Company Vendor directory
VendorDetail	Line items for Vendor
VendorEvaluation	Document vendor performance for consideration for future work (simple)
WBS	The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.
WBSCategory	As their name implies, WBS categories are used to categorize WBS elements. They are defined globally.
WBSExpenseSpread	Expense spread data per WBS per ExpenseCategory
WBSResourceSpread	Spread data per WBS per Resource
WBSSpread	Summarized spread data per WBS
WorkManagerTask	Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.
WorkRelease	Process that is connected to Blanket Purchase Order Business Process that is deployed at company level. This process can be used to write against the Market purchase order.
WorkReleaseDetail	Line items for Work Release

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Activity

Description: An activity is a unit of work performed during the course of a project.

Field	Type	Description	Read-Only
ActivityObjectId	String	The unique Activity ID generated by the system from P6.	No
ActivityWorkManagerTaskDateStatus	String	The activity task date status associated to the activity.	No
ActivityWorkManagerTaskStatus	String	The activity task status associated to the activity.	No
ActivityWorkManagerTaskSt	String	The activity task indicator	No

Field	Type	Description	Read-Only
atusIndicator		associated to the activity.	
ActualDuration	Double	The activity actual duration percent of planned. Computed as actual duration / BL duration * 100. The value can exceed 100. The BL duration is the activity's at completion duration from the project baseline.	No
ActualFinishDate	DateTime	The actual finish date of the activity.	No
ActualLaborCost	Double	The actual costs for all labor resources assigned to the activity.	No
ActualLaborCostProject	Double	The actual costs for all labor resources assigned to the activity if using project currency.	No
ActualLaborUnits	Double	The actual units for all labor assigned to the activity	No
ActualMaterialCost	Double	The actual costs for all material resource assignments on the activity.	No
ActualMaterialCostProject	Double	The actual costs for all material resource assignments on the activity if using project currency.	No
ActualNonLaborCost	Double	The actual costs for all nonlabor resource assignments on the activity	No
ActualNonLaborCostProject	Double	The actual costs for all nonlabor resource assignments on the activity if using project currency.	No
ActualStartDate	DateTime	The actual start date of the activity.	No
ActualThisPeriodMaterialCost	Double	The material costs incurred during a financial period.	No
ActualThisPeriodNonLaborCost	Double	The nonlabor costs incurred during a financial period.	No
ActualTotalCost	Double	The actual total cost for the activity, including labor resources, nonlabor resources, and project expenses. Actual	No

Field	Type	Description	Read-Only
		total cost = actual labor costs + actual nonlabor costs + actual expense costs.	
ActualTotalCostProject	Double	The actual total cost for all resource assignments and direct activity costs (expenses) on the activity if using project currency.	No
ActualTotalUnits	Double	ActualTotalUnits	No
AtCompletionDuration	Double	The total working time from the activity's current start date to the current finish date.	No
AtCompletionLaborCost	Double	The sum of the actual costs plus remaining costs for all labor resource assignments on the activity.	No
AtCompletionLaborCostProject	Double	The sum of the actual costs plus remaining costs for all labor resource assignments on the activity if using project currency.	No
AtCompletionLaborUnits	Double	The sum of the actual plus remaining units for all labor resources assigned to the activity. It is the same as the planned labor units if the activity is not started, and the actual labor units after the activity is completed.	No
AtCompletionMaterialCost	Double	The sum of the actual costs plus remaining costs for all material resource assignments on the activity.	No
AtCompletionMaterialCostProject	Double	The sum of the actual costs plus remaining costs for all material resource assignments on the activity if using project currency	No
AtCompletionNonLaborCost	Double	The sum of the actual costs plus remaining costs for all nonlabor resource assignments on the activity.	No
AtCompletionNonLaborCostProject	Double	The sum of the actual costs plus remaining costs for all nonlabor resource assignments on the	No

Field	Type	Description	Read-Only
		activity if using project currency.	
AtCompletionTotalCost	Double	The total cost at completion for the activity, including labor resources, nonlabor resources, and project expenses. At completion total cost = at completion labor cost + at completion nonlabor cost + at completion expense cost.	No
AtCompletionTotalCostProject	Double	The sum of the actual costs plus remaining costs for all resource assignments and direct activity costs (expenses) on the activity if using project currency.	No
AtCompletionTotalUnits	Double	AtCompletionTotalUnits	No
AtCompletionVariance	Double	The difference between the project baseline total cost and the current estimate of total cost. Computed as VAC = BAC – EAC. A negative value indicates an estimated cost overrun. BAC is computed from the current project baseline.	No
BaselineDuration	Double	The duration for the activity in the project baseline.	No
BaselineFinishDate	DateTime	The current finish date of the activity in the project baseline.	No
BaselinePlannedLaborUnits	Double	The planned units for all labor resources assigned to the activity.	No
BaselinePlannedNonLaborUnits	Double	The planned units for all nonlabor resources assigned to the activity.	No
BaselineStartDate	DateTime	The current start date of the activity in the project baseline.	No
BudgetAtCompletion	Double	The planned total cost through activity completion.	No
CalendarCode	String	The unique code of the calendar.	No
CalendarName	String	The name of the calendar.	No
CalendarObjectId	ForeignK	The unique id of the calendar.	No

Field	Type	Description	Read-Only
	ey		
CBSCode	String	Hierarchical CBS code structure Eg: a~~b	No
CBSObjectId	ForeignKey	The unique ID of the CBS assigned to the Activity.	No
CostPerformanceIndex	Double	The earned value divided by the actual cost. A value less than 1 indicates that actual cost have exceeded the planned value.	No
CostVariance	Double	The difference between the earned value and the actual cost of work performed. Computed as CV = earned value – actual costs.	No
DailySpreadActualCost	String	The actual cost for the project expense for daily spread.	No
DailySpreadActualExpenseCost	String	The actual costs for all project expenses associated with the activity for daily spread.	No
DailySpreadActualLaborCost	String	The actual costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	No
DailySpreadActualLaborUnits	String	The actual units for all labor resources assigned to the activity for daily spread.	Yes
DailySpreadActualMaterialCost	String	The sum of all regular and overtime costs for material resources for daily spread.	Yes
DailySpreadActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the	Yes

Field	Type	Description	Read-Only
		activity for daily spread.	
DailySpreadActualTotalCost	String	Desc	Yes
DailySpreadAtCompletionExpenseCost	String	The sum of the actual plus remaining costs for all expenses associated with the activity for daily spread. Computed as daily spread actual expense cost + daily spread remaining expense cost.	Yes
DailySpreadAtCompletionLaborCost	String	The sum of the actual plus remaining costs for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor cost + daily spread remaining labor cost.	Yes
DailySpreadAtCompletionLaborUnits	String	The sum of the actual plus remaining units for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor units + daily spread remaining labor units.	Yes
DailySpreadAtCompletionMaterialCost	String	The sum of all daily spread actual and daily spread remaining costs for material resources.	Yes
DailySpreadAtCompletionNonLaborCost	String	The sum of the actual plus remaining costs for all nonlabor resources assigned to the activityfor daily spread. Computed as daily spread actual nonlabor cost + daily spreadremaining nonlabor cost.	Yes
DailySpreadAtCompletionNonLaborUnits	String	The sum of the actual plus remaining units for all nonlabor resources assigned to the activity for daily spread. Computed as daily spread actual nonlabor units + daily spread remaining nonlabor units.	Yes
DailySpreadAtCompletionTo	String	Desc	Yes

Field	Type	Description	Read-Only
talCost			
DailySpreadBaseline1ActualExpenseCost	String	The actual costs for all project expenses associated with the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	Yes
DailySpreadBaseline1ActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaseline1ActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualTotalCost	String	Desc	Yes
DailySpreadBaseline1PlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for daily spread. This field is named Baseline 1 Budgeted Expense Cost in Primavera's Engineering and Construction and Maintenance	Yes

Field	Type	Description	Read-Only
		and Turnaround solutions.	
DailySpreadBaseline1PlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the primary baseline for daily spread. Computed from the primary baseline at completion labor units.	Yes
DailySpreadBaseline1PlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedMaterialCost	String	The Planned Material Cost for a primary baseline activity for daily spread.	Yes
DailySpreadBaseline1PlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity planned nonlabor units * project default price / time.	Yes
DailySpreadBaseline1PlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Non Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedTotalCost	String	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses for Baseline 1 daily spread. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	Yes
DailySpreadBaselineActualExpenseCost	String	The actual costs for all project expenses associated with the	Yes

Field	Type	Description	Read-Only
		activity for Baseline daily spread.	
DailySpreadBaselineActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	Yes
DailySpreadBaselineActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline daily spread.	Yes
DailySpreadBaselineActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaselineActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualTotalCost	String	Desc	Yes
DailySpreadBaselinePlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for Baseline daily spread.	Yes
DailySpreadBaselinePlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the project baseline for daily spread.	Yes
DailySpreadBaselinePlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedMaterialCost	String	The planned material cost for a project baseline activity for daily spread.	Yes
DailySpreadBaselinePlanne	String	The planned costs for all	Yes

Field	Type	Description	Read-Only
dNonLaborCost		nonlabor resources assigned to the activity for baseline daily spread	
DailySpreadBaselinePlanneddNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlanneddTotalCost	String	The planned total cost for activity, including labor resources, nonlabor resources, and project expenses for baseline daily spreads.	Yes
DailySpreadEarnedValueCost	String	The portion of the project baseline total cost of the activity that is actually completed as of the project data date for daily spread. Computed as earned value = BAC * performance % complete.	Yes
DailySpreadEarnedValueLaborUnits	String	The portion of the project baseline labor units that is actually completed as of the project data date for daily spread. Computed as labor units earned value - project baseline units * performance % complete.	Yes
DailySpreadEstimateAtCompletionCost	String	The estimated cost at completion of the activity for daily spread. Computed as the daily spread actual total cost plus the estimate-to-complete cost: EAC = ACWP + ETC.	Yes
DailySpreadEstimateAtCompletionLaborUnits	String	The estimated labor units at completion of the activity for daily spread. Calculated as actual labor units + estimate to complete labor units.	Yes
DailySpreadEstimateToCompleteCost	String	Desc	Yes
DailySpreadEstimateToCompleteLaborUnits	String	Desc	Yes
DailySpreadPlannedExpens	String	The planned costs for all project	Yes

Field	Type	Description	Read-Only
eCost		expenses associated with the activity for daily spread. This field is named BudgetedExpenseCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	
DailySpreadPlannedLaborCost	String	The planned costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread planned labor units * project default price / time.	Yes
DailySpreadPlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for daily spread. This field is named BudgetedLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedMaterialCost	String	The sum of all material resource costs for daily spread.	Yes
DailySpreadPlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for daily spread. If no resources assigned, computed as the activity daily spread planned nonlabor units * project default price / time.	Yes
DailySpreadPlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named BudgetedNonLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedTotalCost	String	Desc	Yes
DailySpreadPlannedValueCost	String	The portion of the project baseline total cost of the activity	Yes

Field	Type	Description	Read-Only
		that is scheduled to be completed as of the project data date for daily spread. Computed as BAC * schedule % complete. Also known as the work scheduled to be performed for the activity.	
DailySpreadPlannedValueLaborUnits	String	The portion of the project baseline labor units that is scheduled to be completed as of the project data date for daily spread. Computed as BL labor units * schedule % complete.	Yes
DailySpreadRemainingExpenseCost	String	The remaining costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLaborCost	String	FThe remaining costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining labor units * project default price / time.	Yes
DailySpreadRemainingLaborUnits	String	The remaining units for all labor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateExpenseCost	String	The remaining late expense costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLateLaborCost	String	The remaining late costs for all labor recources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining late labor units * project default price / time.	Yes
DailySpreadRemainingLateLaborUnits	String	The remaining late units for all labor resources assigned to the activity for daily spread. The	Yes

Field	Type	Description	Read-Only
		remaining units reflects the work remaining to be done for the activity.	
DailySpreadRemainingLateMaterialCost	String	The sum of all late material resource remaining costs for daily spread.	Yes
DailySpreadRemainingLateNonLaborCost	String	The remaining late costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining late nonlabor units * project default price / time .	Yes
DailySpreadRemainingLateNonLaborUnits	String	The remaining late units for all nonlabor resources assigned to the activity for daily spread. The remaining late units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateTotalCost	String	Desc	Yes
DailySpreadRemainingMaterialCost	String	The sum of all material resource remaining costs for daily spread.	Yes
DailySpreadRemainingNonLaborCost	String	The remaining costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining nonlabor units * project default price / time.	Yes
DailySpreadRemainingNonLaborUnits	String	The remaining units for all nonlabor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingTotalCost	String	Desc	Yes
DurationPercentComplete	Double	The duration percent complete for the activity. Calculated as Planned Duration minus	No

Field	Type	Description	Read-Only
		Remaining Duration divided by Planned Duration multiplied by 100.	
DurationType	Enum	The duration type of the activity. One of 'Fixed Units/Time', 'Fixed Duration and Units/Time', 'Fixed Units', or 'Fixed Duration and Units'.	No
EarlyFinishDate	DateTime	The early finish date of the activity.	No
EarlyStartDate	DateTime	The early start date of the activity.	No
EarnedValueCost	Double	The portion of the project baseline total cost of the activity that is actually completed as of the project data date. Computed as earned value = BAC * performance % complete.	No
EastimateToComplete	Double	The estimated cost to complete the activity. Computed as either the remaining total cost for the activity (remaining total cost), or as PF * (BAC – earned value), depending on the earned-value technique selected for the activity's WBS.	No
EstimateAtCompletionCost	Double	The estimated cost at completion for the activity. Computed as the actual total cost plus the estimate-to-complete cost; EAC = ACWP + ETC.	No
EstimateToComplete	Double	EstimateToComplete	No
ExpectedFinishDate	DateTime	The date the activity is expected to be finished according to the progress made on the activity's work products. The expected finish date is entered manually by people familiar with progress of the activity's work products.	No
FinishDate	DateTime	The early finish date of the activity.	No

Field	Type	Description	Read-Only
Id	String	The unique identifier of the activity.	No
IsStarred	Boolean	The flag that indicates whether this activity is marked as starred activity.	No
IsWorkPackage	Boolean	The flag that indicates whether this activity is the child of a work package WBS.	No
LateFinishDate	DateTime	The late finish date of the activity.	No
LateStartDate	DateTime	The late start date of the activity.	No
LevelingPriority	Enum	The activity priority used to prioritize activities in a project when performing resource leveling. Valid values are 'Top', 'High', 'Normal', 'Low', and 'Lowest'.	No
LocationCode	String	The code of the location assigned to the Activity.	No
LocationName	String	The name of the location assigned to the activity.	No
LocationObjectId	Int	The unique ID of the location assigned to the activity.	No
LongText	String	The long text value.	No
MaximumDuration	Double	The maximum duration of the activity	No
MinimumDuration	Double	The minimum duration of the activity	No
MostLikelyDuration	Double	The most likely duration of the activity	No
Name	String	The name of the activity. The activity name does not have to be unique.	No
ObjectId	String	The unique ID generated by the system.	No
PercentComplete	Double	The activity percent complete. This value is tied to the activity duration % complete, units % complete, or physical %	No

Field	Type	Description	Read-Only
		complete, depending on the setting for the activity's percent complete type.	
PercentCompleteType	Enum	The activity percent complete type: 'Physical','Duration','Units', or 'Scope'.	No
PerformancePercentComplete	Double	The activity performance percent complete. The performance percent complete is used to compute earned value.	No
PhysicalPercentComplete	Double	The physical percent complete, which can either be user entered or calculated from the activity's weighted steps.	No
PlannedDuration	String	The activity planned duration.	No
PlannedFinishDate	DateTime	The date the activity is scheduled to finish. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
PlannedLaborCost	Double	The planned cost for all labor resources assigned to the activity.	No
PlannedLaborCostProject	Double	The planned cost for all labor resources assigned to the activity if using project currency.	No
PlannedLaborUnits	Double	The planned number of units for all labor resources assigned to the task.	No
PlannedMaterialCost	Double	The planned cost for all material resources assigned to the activity.	No
PlannedMaterialCostProject	Double	The planned cost for all material resources assigned to the activity if using project currency.	No
PlannedNonLaborCostProject	Double	The planned cost for all nonlabor resources assigned to the	No

Field	Type	Description	Read-Only
		activity if using project currency.	
PlannedStartDate	DateTime	The date the activity is scheduled to begin. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
PlannedTotalCost	Double	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	No
PlannedTotalCostProject	Double	The expected total cost of the activity and includes all resources and direct activity costs (expenses) if using project currency.	No
PlannedTotalUnits	Double	PlannedTotalUnits	No
PlannedValueCost	Double	The portion of the project baseline total cost of the activity that is scheduled to be completed as of the project data date, Computed as BAC * schedule % complete, Also known as the work schedule to be performed for the activity.	No
PostResponseCriticalityIndex	Double	During the Post-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task was on the critical path during the analysis.	No
PostResponsePessimisticFinish	DateTime	The post-response pessimistic finish date for the activity.	No
PostResponsePessimisticStart	DateTime	The post-response pessimistic start date for the activity.	No

Field	Type	Description	Read-Only
PreResponseCriticalityIndex	Double	During the Pre-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task was on the critical path during the analysis.	No
PreResponsePessimisticFinish	DateTime	The pre-response pessimistic finish date for the activity.	No
PreResponsePessimisticStart	DateTime	The pre-response pessimistic start date for the activity.	No
PrimaryConstraintDate	DateTime	The primary constraint date of the activity.	No
PrimaryConstraintType	Enum	The primary constraint type of the activity.	No
ProjectId	String	The short code of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RemainingDuration	Double		No
RemainingEarlyFinishDate	DateTime	The remaining late end date, which is calculated by the scheduler.	No
RemainingEarlyStartDate	DateTime	The date the remaining work for the activity is scheduled to begin. This date is computed by the project scheduler but can be updated manually by the project manager.	No
RemainingLaborCost	Double	The remaining cost for all labor resource assignments on the activity.	No
RemainingLaborCostProject	Double	The remaining cost for all labor resource assignments on the activity if using project currency.	No
RemainingLaborUnits	Double	The remaining units for all labor resources assigned to the activity. The Remaining Labor Units reflect the work remaining to be done for the activity. Before	No

Field	Type	Description	Read-Only
		the activity is started, the remaining units are the same as the planned units.	
RemainingLateFinishDate	DateTime	The remaining late finish date of the project.	No
RemainingLateStartDate	DateTime	The remaining late start date of the project.	No
RemainingMaterialCost	Double	The remaining cost for all material resource assignments on the activity.	No
RemainingMaterialCostProject	Double	The remaining cost for all material resource assignments on the activity if using project currency.	No
RemaininigNonLaborCostProject	Double	The remaining cost for all nonlabor resource assignments on the activity if using project currency.	No
RemainingTotalCost	Double	The remaining total cost for the activity, including labor resources, nonlabor resources, and project expenses. Remaining total cost = remaining labor costs + remaining nonlabor costs + remaining expense costs.	No
RemainingTotalCostProject	Double	The remaining cost for all resource assignments and direct activity costs (expenses) on the activity if using project currency.	No
RemainingTotalUnits	Double	RemainingTotalUnits	No
ResumeDate	DateTime	The resume of the project.	No
RolledupWBSObjectId	ForeignKey	Rolled up WBS Object Ids after filtering either by levels or tagging	No
SchedulePerformanceIndex	Double	The ratio of the earned value of work performed and the work scheduled to be performed. Computed as SPI – earned value / planned value. A value less than 1 indicates that less	No

Field	Type	Description	Read-Only
		work was actually performed than was scheduled.	
ScheduleVariance	Double	The difference between the earned value of work performed and the work scheduled to be performed. Computed as SV = earned value – planned value. A negative value indicates that less work was actually performed than was scheduled.	No
ScopePercentComplete	Double	The percentage completion of the scope items linked to the activity.	No
SecondaryConstraintDate	DateTime	The date to be used for the cstr_type2 assignment, if the activity has a cstr_type2 value. The activity's constraint type determines whether this is a start date or finish date. Activity constraints are used by the project scheduler.	No
SecondaryConstraintType	Enum	The additional constraint to be used by the scheduler.	No
StartDate	DateTime	The early start date of the activity.	No
Status	Enum	The current status of the activity, either 'Not Started', 'In Progress', or 'Completed'.	No
SuspendDate	DateTime	The suspend of the project.	No
ToCompletePerformanceIndex	Double	The TCPI, which is calculated as (budget at completion – earned value)/(estimate at completion – ACWP).	Yes
Type	Enum	The type of activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', 'Start Milestone', 'Finish Milestone', or 'WBS Summary'.	No
UnitsPercentComplete	Double	The percent complete of units for all labor and nonlabor resources assigned to the activity. Calculated as Actual Units	No

Field	Type	Description	Read-Only
		divided by At Completion Units multiplied by 100.	
WBSCode	String	The short code assigned to each WBS element for identification. Each WBS element is uniquely identified by concatenating its own code together with its parents' codes.	No
WBSName	String	The name of the WBS element.	No
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	No
WBSPath	String	The WBS path of the Activity.	No
WBSUniqueId	String	The unique WBS ID generated by the system from P6.	No
WorkPackageId	String	The unique identifier for the work package that the activity is associated with.	No
WorkPackageName	String	The name of the work package that the activity is associated with.	No

ActivityCode

Description: Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the activity code type.	No
CodeTypeObjectId	ForeignKey	The unique ID of the activity code type.	No
CodeValue	String	The value of the activity code.	No
Color	String	The Hex representation for the color.	No
Description	String	The description of the activity code.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent activity code.	No

Field	Type	Description	Read-Only
ProjectObjectId	ForeignKey	The unique ID of the Project.	No
SequenceNumber	Int	The sequence number for sorting.	No

ActivityCodeType

Description: Activity code types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.

Field	Type	Description	Read-Only
EPSObjectId	ForeignKey	The unique ID of the EPS.	No
Length	Int	The maximum number of characters allowed for values of this activity code.	No
Name	String	The name of the activity code type.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
Scope	Enum	the scope of activity code type.	No

ActivityExpense

Description: Activity expenses are non-resource costs associated with a project and assigned to a project's activities. They are typically one-time expenditures for non-reusable items.

Field	Type	Description	Read-Only
ActivityObjectId	ForeignKey	The unique ID of the activity to which the project expense is linked. Every project expense is associated with one activity in the project.	No
ActualCost	Double	The actual cost for the project expense.	No
ActualUnits	Double	The actual units for the project expense.	No
AtCompletionCost	Double	The sum of the actual plus remaining costs for the project expense. Computed as actual cost + remaining cost.	No
AtCompletionUnits	Double	The at completion units for the project	No

Field	Type	Description	Read-Only
		expense.	
CBSObjectId	ForeignKey	The unique ID of the CBS assigned to the Activity Expense.	No
CostAccountId	String	The ID of the cost account.	No
CostAccountName	String	The name of the cost account.	No
CostAccountObjectId	ForeignKey	The unique ID of the cost account.	No
ExpenseCategoryName	String	The name of the expense category.	No
ExpenseCategoryObjectId	ForeignKey	The unique ID of the expense category.	No
ExpenseItem	String	The name of the project expense.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedCost	Double	The planned cost for the project expense. This field is named BudgetedCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	No
PlannedUnits	Double	The planned number of units for the project expense. This number is multiplied by the price per unit to compute the planned cost.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RemainingCost	Double	The remaining cost for the project expense. Before actual expenses are made, remaining cost should be the same as planned cost.	No
RemainingUnits	Double	The remaining units for the project expense.	No

ActivityRisk

Description: The activity risk object stores the relationship between a single Activity and a single Risk.

Field	Type	Description	Read-Only
ActivityId	String	The short name of the associated activity.	No
ActivityName	String	The name of the associated activity.	No
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RiskId	String	The short name of the associated risk.	No
RiskName	String	The name of the associated risk.	No
RiskObjectId	ForeignKey	The unique ID of the associated risk.	No

ActivityStep

Description: Steps make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.

Field	Type	Description	Read-Only
ActivityId	String	The short ID that uniquely identifies the activity within the project.	Yes
ActivityName	String	The name of the activity associated with the step.	Yes
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	Yes
Description	String	The description of the activity step.	No
IsBaseline	Boolean	The boolean value indicating if the activity step part of a baseline.	Yes
IsCompleted	Boolean	The boolean value indicating if the activity step is completed.	No
IsTemplate	Boolean	The Boolean value indicating if the activity step is part of a project template.	Yes

Field	Type	Description	Read-Only
Name	String	The name of the activity step.	No
ObjectId	Int	The unique ID generated by the system.	No
PercentComplete	Double	The activity step percent complete.	No
ProjectId	String	The short code that uniquely identifies the project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
SequenceNumber	Int	The sequence number for sorting.	No
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	Yes
Weight	String	The weight of the activity step.	No
WeightPercent	Double	The weight percent of the activity step.	Yes

BaselineType

Description: BaselineType Fields.

Field	Type	Description	Read-Only
CreateDate	DateTime	The create Date for currency	No
CreateUser	String	The name of the user that created this user-defined field.	No
LastUpdateDate	DateTime	The Last Update Date for currency	No
LastUpdateUser	String	The name of the user that last updated this user-defined field.	No
Name	String	The name for BaselineType	No
ObjectId	String	The unique ID generated by the system.	No
SequenceNumber	Int	Sequence Number for BaselineType	No

BlanketPurchaseOrder

Description: A company level purchase order, which enables agreements with vendors to provide services across multiple projects, released on a per-project/per-period basis with work authorizations against a previously determined maximum.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	Int	Creator	No
ObjectId	String	The unique ID generated by the system.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

BlanketPurchaseOrderDetail

Description: Line Items for Blanket Purchase Order.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the blanket purchase order	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No

BudgetApproval

Description: Used to approve project budget.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

BudgetApprovalDetail

Description: Line Items for Budget Approval.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the budget approval.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

BudgetChange

Description: For requesting additional (or reduced) budget beyond the existing budget.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

BudgetChangeDetail

Description: Line Items for Budget Change.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the budget change.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No

Name	Type	Description	Read-Only
TabId	String	Tab Name	No
WPId	String	Work Package	No

BudgetChangeOrder

Description: A change to a budget that is typically created for a contractor that is based on changes to a contract between the contractor and owner.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

BudgetChangeOrderDetail

Description: Line Items for Budget Change Orders.

Name	Type	Description	Read-Only
Amount	Double	Amount	No

Name	Type	Description	Read-Only
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent contract detail.	No
ParentObjectId	ForeignKey	The unique ID of the parent contract.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

BudgetItem

Description: A budget that is typically created for a contractor that is based on a contract they have with an owner for a project.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

BudgetItemDetail

Description: Line Items for Budget Items.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent contract detail.	No
ParentObjectId	ForeignKey	The unique ID of the parent contract.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

BudgetTransfer

Description: For transferring budget from one WBS code to another. Most typically used to release budget contingency to other cost items.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

BudgetTransferDetail

Description: Line Items for Budget Transfer.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the budget transfer.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No

Name	Type	Description	Read-Only
TabId	String	Tab Name	No
WPId	String	Work Package	No

Calendar

Description: Calendars defined the available work hours in each calendar day, and includes global and resource types.

Field	Type	Description	Read-Only
AssociationType	String	The type of association in the relationship between the calendar and the workspace. Possible values are Owned and Inherited.	No
BaseCalendarObjectId	ForeignKey	The unique ID of the global calendar to which this calendar is linked. Any changes to the global calendar are automatically propagated to this calendar.	No
Code	String	The Code of the calendar.	No
HolidayOrExceptions	HolidayOrExceptions	All dates with holidays or exceptions in this calendar.	No
HoursPerDay	Double	The hours per day for the time period.	No
HoursPerMonth	Double	The hours per month for the time period.	No
HoursPerWeek	Double	The hours per week for the time period.	No
HoursPerYear	Double	The hours per year for the time period.	No
IsAssignableToProject	Boolean	Indicates whether or not the calendar can be assigned to a project.	No
IsAssignableToResource	Boolean	Indicates whether or not the calendar can be assigned to a resource.	No
IsPersonal	Boolean	The flag indicating if this calendar is a personal calendar (applies to resource calendars only).	No
Name	String	The name of the calendar.	No
ObjectId	String	The unique ID generated by the	No

Field	Type	Description	Read-Only
		system.	
ProjectId	String	The short name of the project.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
PushDownType	String	Specifies how a workspace calendar is shared across child workspaces.	No
StandardWorkWeek	StandardWorkWeek	Standard detailed work hours for each day of week	No
Type	Enum	The calendar type - either 'Global' or 'Resource'.	No

CBS

Description: CBS business object.

Name	Type	Description	Read-Only
CBSCode	String	CBS Code associated with the Project	No
CBSDescription	String	CBS Code Description	No
CBSStatus	Enum	CBS Code Status. Valid values are "Active" and "InActive"	No
ObjectId	String	The unique ID generated by the system	No
ParentObjectId	ForeignKey	The unique id of the parent CBS	No
ProjectObjectId	ForeignKey	The unique id of the associated Project	No

CBSDurationSummary

Description: CBSDurationSummary business object.

Field	Type	Description	Read-Only
BaselineType	String	Baseline type of the associated baseline	No
CBSObjectId	ForeignKey	The unique id of the associated CBS.	No
DataDate	String	Data date of the associated project	No
ObjectId	String	The unique ID generated by the	No

Field	Type	Description	Read-Only
		system	
OriginalProjectObjectId	Int	The original object id of the associated Project	No
ProjectId	String	The short name of the associated Project	No
ProjectName	String	The name of the associated Project	No
ProjectObjectId	ForeignKey	The unique id of the associated project	No
SummaryActualDuration	Double	Smmarized Actual Duration the project	No
SummaryActualFinishDate	DateTime	Smmarized Actual Finish Date of the project	No
SummaryActualStartDate	DateTime	Smmarized Actual Start Date of the project	No
SummaryPercentComplete	Double	Smmarized Percent Complete the project	No
SummaryPlannedDuration	Double	Smmarized Planned Duration the project	No
SummaryPlannedFinishDate	DateTime	Smmarized Planned Finish Date of the project	No
SummaryPlannedStartDate	DateTime	Smmarized Planned Start Date of the project	No
SummaryRemainingDuration	Double	Smmarized Remaining Duration the project	No
SummaryRemainingFinishDate	DateTime	Smmarized Remaining Finish Date of the project	No
SummaryRemainingStartDate	DateTime	Smmarized Remaining Start Date of the project	No

CBSExpenseSpread

Description: Summarized spread data per CBS per expense category.

Fielde	Type	Description	Read-Only
ActualCost	Double	Actual Cost	No
ActualUnits	Double	Actual Units	No

Fielde	Type	Description	Read-Only
AtCompletionCost	Double	At Completion Cost	No
AtCompletionUnits	Double	At Completion Units	No
BaselineType	String	Baseline Type	No
CBSObjectId	ForeignKey	The unique ID of CBS.	No
DataDate	DateTime	Date date	No
EndDate	DateTime	End date	No
ExpenseCategoryName	String	Expense Category	No
ObjectId	String	The unique ID generated by the system.	No
PlannedCost	Double	Planned Cost	No
PlannedUnits	Double	Planned Units	No
ProjectId	String	Project short name	No
ProjectName	String	Project name	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
ProjectOrigObjectId	Int	The original object id of the associated Project	No
RemainingCost	Double	Remaining Cost	No
RemainingUnits	Double	Remaining Units	No
StartDate	DateTime	Start date	No
SummaryActualCost	Double	Summarized Actual cost	No
SummaryActualUnits	Double	Summarized Actual Units	No
SummaryAtCompletionCost	Double	Summarized At completion cost	No
SummaryAtCompletionUnits	Double	Summarized At Completion Units	No
SummaryPlannedCost	Double	Summarized Planned cost	No
SummaryPlannedUnits	Double	Summarized Planned Units	No
SummaryRemainingCost	Double	Summarized Remaining cost	No
SummaryRemainingUnits	Double	Summarized Remaining Units	No

CBSResourceSpread

Description: Summarized spread data per CBS per resource assignment.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost	No
ActualUnits	Double	Actual Units	No
AtCompletionCost	Double	At Completion Cost	No
AtCompletionUnits	Double	At Completion Units	No
BaselineType	String	Baseline Type	No
CBSObjectId	ForeignKey	The unique ID of CBS.	No
CurrencyId	String	Currency Id	No
CurrencyName	String	Currency Name	No
DataDate	DateTime	Date date	No
EndDate	DateTime	End date	No
ObjectId	String	The unique ID generated by the system.	No
OriginalProjectObjectId	ForeignKey	The original object id of the associated Project	No
PlannedCost	Double	Planned Cost	No
PlannedUnits	Double	Planned Units	No
ProjectId	String	Project short name	No
ProjectName	String	Project name	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
RemainingCost	Double	Remaining Cost	No
RemainingUnits	Double	Remaining Units	No
ResourceId	String	Resource short name	No
ResourceName	String	Resource Name	No
ResourceType	String	Resource Type	No
StartDate	DateTime	Start date	No
SummaryActualCost	Double	Summarized Actual cost	No
SummaryActualFinish	DateTime	Summarized Actual finish date	No

Field	Type	Description	Read-Only
SummaryActualStart	DateTime	Summarized Actual Start date	No
SummaryActualUnits	Double	Summarized Actual Units	No
SummaryAtCompletionCost	Double	Summarized At completion cost	No
SummaryAtCompletionUnits	Double	Summarized At Completion Units	No
SummaryPlannedCost	Double	Summarized Planned cost	No
SummaryPlannedFinish	DateTime	Summarized Planned finish date	No
SummaryPlannedStart	DateTime	Summarized Planned Start date	No
SummaryPlannedUnits	Double	Summarized Planned Units	No
SummaryRemainingCost	Double	Summarized Remaining cost	No
SummaryRemainingFinish	DateTime	Summarized Remaining finish date	No
SummaryRemainingStart	DateTime	Summarized Remaining Start date	No
SummaryRemainingUnits	Double	Summarized Remaining Units	No
UnitAbbreviation	String	Unit Abbreviation	No
UnitName	String	Unit Name	No

CBSSheet

Description: The project level CBS template which represents the project cost sheet.

Field	Type	Description	Read-Only
CBSSheetName	String	The name of the CBS Sheet.	No
CopiedFromId	String	The unique identifier of the CBS Sheet that was copied.	No
ObjectId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
ProjectId	String	The user-specified unique identifier of the project.	No
ProjectObjectId	ForeignKey	The unique identifier for the project.	No
TemplateName	String	The name of the CBS template.	No
TemplateObjectId	ForeignKey	The unique identifier of the CBS template ID.	No

CBSSheetCode

Description: The list of all CBS codes defined/inherited at the project level part of a project level CBS.

Field	Type	Description	Read-Only
CBSCode	String	The CBS code that is concatenated with its parent and child according to the segment definition.	No
CopiedFromObjectId	ForeignKey	The unique identifier for the original Id.	No
CostSheetObjectId	ForeignKey	The unique identifier of a cost sheet.	No
CostType	Enum	The category of the cost breakdown structure code. Valid values are: ‘EXPENSE’, ‘CAPITAL’, ‘NONE’.	No
Description	String	The name of the CBS code.	No
IsActive	Boolean	The active field indicates whether the CBS code is active.	No
IsTotalRow	Boolean	Indicates this item represents the total cost of the project.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The system-generated identifier of a parent cost item in a cost sheet.	No
ProjectId	String	The user-specified identifier of a project.	No
ProjectObjectId	ForeignKey	The unique identifier for the project.	No

Field	Type	Description	Read-Only
SequenceNumber	String	Number that specifies the position of the cost sheet item.	No
SourceId	String	The unique identifier of cost sheet item data in an external source.	No
WorkspaceCode	String	The user-specified identifier of a workspace.	No

CBSSheetRow

Description: CBS Sheet Row fields.

Field	Type	Description	Read-Only
ActualHoursToDate	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	No
ApprovedChangedHours	Double	The sum of all approved change hours in the change and transfer records for the scope assignment.	No
AtCompletionHours	Double	The total hours expected for the scope assignment.	No
BACHours	Double	The Revised Hours or At Completion Hours at the time the current baseline was set, depending on the selection for the Budget At Completion Method.	No
BaselineHours	Double	The Revised Hours at the time the baseline was set.	No
EACHours	Double	Calculated as ETC Hours plus Actual Hours to Date. This is the cumulative value for all objects in the project with the same CBS code.	No
EarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	No
ETCAdjustedHours	Double	The amount of scope assignment work that is not yet accounted for.	No
ETCHours	Double	The estimated number of hours needed to complete the work.	No
InstalledHours	Double	Hours spent on the scope assignment.	No
ObjectId	Double	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
PendingChangedHours	Double	Calculated as the sum of all pending hour changes in the change records for the scope assignment.	No
PlannedHours	Double	The original expected hours needed to complete all the work required to install the material quantity on the scope assignment.	No
ProjectActualHours	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	No
ProjectEarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	No
ProjectHPI	Double	Calculated as the total of Project Earned Hours divided by Project Actual Hours.	No
RemainingHours	Double	The number of hours left for the scope assignment.	No
RevisedHours	Double	Original Hours before the baseline is set. After the baseline is set, Revised Hours is equal to Original Hours plus Approved Change Hours.	No

CBSSheetSegment

Description: The project level CBS segment definition which governs the hierarchical depth of the CBS and how codes will be concatenated.

Field	Type	Description	Read-Only
CopiedFromObjectId	ForeignKey	The unique identifier of the CBS segment that was copied.	No
CostSheetObjectId	ForeignKey	The system-generated identifier of a cost sheet.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The user-specified unique identifier of the project.	No
ProjectObjectId	ForeignKey	The unique identifier for the project.	No
SegmentDefaultValue	String	A value that is added to the concatenated code by default.	No
SegmentDefinitionName	String	The name of the CBS segment.	No

Field	Type	Description	Read-Only
SegmentSeparator	String	The separator determines how the concatenated code is separated. The separator can be a period, space, or hyphen.	No
WorkspaceCode	String	The user-specified unique identifier of the workspace.	No

CBSSheetRowCost

Description: CBS Sheet Row Cost fields.

Field	Type	Description	Read-Only
ActualCostToDate	Double	The actual costs incurred on the scope assignment. This tracks the VOWD (Value of Work Done).	No
ActualCostToDateProject	Double	The actual cost to date of a project.	
ActualRiskResponse	Double	The actual cost of implementing the response action.	
ActualRiskResponseProject	Double	The pending manual budget of a project.	
AdjustedCost	Double	The amount the scope assignment work that is not yet accounted for. For example, you might enter a value to represent pending change requests that are likely to be approved.	
AdjustedCostProject	Double	The adjusted cost of a project.	
ApprovedChangedCost	Double	The sum of all approved cost changes in the change records for the scope assignment.	
ApprovedChangedCostProject	Double	The approved changed cost of a project.	
ApprovedManualBudget	Double	Calculated as the sum of all costs approved for the original manual budget.	

Field	Type	Description	Read-Only
ApprovedManualBudgetChanges	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	
ApprovedManualBudgetChangesProject	Double	Approved manual budget changes of a project.	
ApprovedManualBudgetProject	Double	Calculated as the sum of all costs approved for the manual budget.	
ApprovedManualBudgetTransfers	Double	Calculated as the sum of all approved manual budget transfers for the project.	
ApprovedManualBudgetTransfersProject	Double	Approved manual budget transfers of a project.	
ApprovedManualCurrentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	
ApprovedManualCurrentBudgetProject	Double	Approved manual current budget of a project.	
ApprovedProjectActuals	Double	The total amount of confirmed actuals.	
AtCompletionCost	Double	The total cost at the completion of the scope assignment. Calculated as Revised Cost plus Adjusted Cost.	
AtCompletionCostProject	Double	Calculated as the sum of actual costs plus remaining costs for the project.	
BACCost	Double	The Revised Cost or At Completion Cost at the time the current baseline was set, depending on the selection for the Budget at Completion Method. The Revised Cost of the current project if no baseline is set.	

Field	Type	Description	Read-Only
BACCostProject	Double	The BAC cost of a project.	
BaselineCost	Double	The Revised Cost at the time the current baseline was set.	
BaselineCostProject	Double	The baseline cost of a project.	
ClosedPostExposure	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk.	
ClosedPostExposureProject	Double	The mean post-response probability of a closed risk multiplied by the mean post-response cost impact of the risk.	
ClosedPreExposure	Double	The mean post-response probability of a closed risk multiplied by the mean post-response cost impact of the risk.	
CurrentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	
CurrentBudgetProject	Double	Calculated as the sum of all current costs for the selected budget sources. Selected budget sources can include scope based budget and manual budget.	
EACCost	Double	Calculated as ETC Cost plus Actual Cost to Date.	
EACCostProject	Double	The EAC cost of a project.	
EarnedCost	Double	Calculated as Performance Percent Complete multiplied by BAC Cost.	
EarnedCostProject	Double	The earned cost of a project.	
ETCCost	Double	The estimate of the cost needed to complete the work. Calculated as BAC Cost minus Earned Cost.	

Field	Type	Description	Read-Only
ETCCostProject	Double	The ETC cost of a project.	
InstalledCost	Double	The total cost incurred on the scope assignment as of the current date. If Rate By = Hours, then Installed Cost = Revised Cost Rate * Installed Hours. If Rate By = Quantity, then Installed Cost = Revised Cost Rate * Installed Quantity.	
InstalledCostProject	Double	The installed cost of a project.	
ObjectId	String	The unique ID generated by the system.	
OpenPostExposure	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk.	
OpenPostExposureProject	Double	The mean post-response probability of an open risk multiplied by the mean post-response cost impact of the risk.	
OpenPreExposure	Double	The mean pre-response probability of the risk multiplied by the mean pre-response cost impact of the risk.	
OpenPreExposureProject	Double	The mean pre-response probability of an open risk multiplied by the mean pre-response cost impact of the risk.	
PendingChangedCost	Double	Calculated as the sum of all pending cost changes in the change records for the scope assignment.	
PendingChangedCostProject	Double	The pending changed cost of a project.	
PendingManualBudget	Double	Calculated as the sum of all costs pending for the original manual budget.	
PendingManualBudgetChanges	Double	Calculated as the sum of all pending manual budget changes for the project.	

Field	Type	Description	Read-Only
PendingManualBudgetChangesProject	Double	Pending manual budget changes of a project.	
PendingManualBudgetProject	Double	The pending manual cost of a project.	
PendingManualBudgetTransfers	Double	Calculated as the sum of all pending manual budget transfers for the project.	
PendingManualBudgetTransfersProject	Double	Pending manual budget transfers of a project.	
PendingProjectActuals	Double	The total amount of pending actuals.	
PendingProjectActualsProject	Double	Total amount of pending actuals for a project.	
PlannedCost	Double	The original cost of the scope assignment. If Rate By = Hours, OrigCost=OrigHrs*OrigCostRate. If entered manually, OrigCostRate=OrigCost/OrigHrs. If RateBy=Qty, OrigCost=OrigQty*OrigCostRate. If entered manually, OrigCostRate=OrigCost/OrigQty.	
PlannedCostProject	Double	The planned cost of a project.	
PlannedRiskResponse	Double	The estimated cost associated with implementing the response action.	
PlannedRiskResponseProject	Double	The actual cost of implementing a response action for a project.	
ProjectActualCost	Double	Total costs accrued on a project within a given time period. The Actual Cost data for the project's life cycle is pulled from the P6 EPPM schedule. Actual Cost data is only available when the application is connected with P6 EPPM and is not editable.	
ProjectActualCostProject	Double	Calculated as the sum of the amount of each actual line item for a project.	

Field	Type	Description	Read-Only
ProjectCPI	Double	The measure of a project's cost efficiency. A value of less than 1 indicates the project is over budget, while a value greater than 1 indicates the project is under budget.	
ProjectCPIProject	Double	The CPI cost of a project.	
ProjectEarnedCost	Double	The value of work performed on a project in reference to the approved budget for the project. The cost value used for the Earned Value Management of a project.	
ProjectEarnedCostProject	Double	The earned cost of a project.	
RemainingCost	Double	The amount left to be spent. If Rate By set to Hours, then Remaining Cost equals Remaining Hours multiplied by Revised Cost Rate. If Rate By set to Quantity, then Remaining Cost equals Remaining Quantity multiplied by Revised Cost Rate	
RemainingCostProject	Double	The remaining total cost for the project, including labor resources, nonlabor resources, and project expenses.	
RevisedCost	Double	The Original Cost before the baseline is set. After the baseline is set, Revised Cost equals Original Cost plus Approved Change Cost.	
RevisedCostProject	Double	The revised cost of a project.	

CBSTemplate

Description: The workspace level CBS template which consists of CBS codes and CBS segments.

Field	Type	Description	Read-Only
CBSTemplateName	String	The name of the CBS template.	No

Field	Type	Description	Read-Only
Description	String	The description of the CBS template.	No
ObjectId	String	The unique ID generated by the system.	No

CBSTemplateCode

Description: The list of all CBS codes defined at the workspace level part of a Workspace CBS

Field	Type	Description	Read-Only
ActualCostToDate	Double	The actual costs incurred on the scope assignment. This tracks the VOWD (Value of Work Done).	No
ActualHoursToDate	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done). This is the cumulative value for all objects in the workspace with the same CBS code.	No
AdjustedCost	Double	The amount the scope assignment work that is not yet accounted for. For example, you might enter a value to represent pending change requests that are likely to be approved.	No
ApprovedChangedCost	Double	The sum of all approved cost changes in the change records for the scope assignment.	No
ApprovedChangedHours	Double	The sum of all approved change hours in the change and transfer records for the scope assignment. This is the cumulative value for all objects in the workspace with the same CBS code.	No
AtCompletionCost	Double	The total cost at the completion of the scope assignment.Calculated as Revised Cost plus Adjusted Cost.	No
AtCompletionHours	Double	The total hours expected for the scope assignment.Calculated as Revised Hours plus Adjusted Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	No

Field	Type	Description	Read-Only
BACCost	Double	The Revised Cost or At Completion Cost at the time the current baseline was set, depending on the selection for the Budget at Completion Method. The Revised Cost of the current project if no baseline is set.	No
BACHours	Double	The Revised Hours or At Completion Hours at the time the current baseline was set. This is the cumulative value for all objects in the workspace with the same CBS code.	No
BaselineCost	Double	The Revised Cost at the time the current baseline was set.	No
BaselineHours	Double	The Revised Hours at the time the baseline was set. This is the cumulative value for all objects in the workspace with the same CBS code.	No
CBSCode	String	The code value of the CBS code. The code may have one or more segments according to the segment definition.	No
cbsTemplateObjectId	Foreign Key	The unique identifier for the CBS template.	No
CopiedFromObjectId	Foreign Key	The unique identifier of the CBSTemplateCode.	No
CostType	Enum	The category of the cost breakdown structure code. Expense: Represents an expense. Capital: Represents capital. None: Type is not divided into expense or capital.None is selected by default if no other choice is made.	No
CurrentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	No
CurrentBudgetWorkspace1	Double	Workspace current budget.	No
CurrentBudgetWorkspace2	Double	Workspace current budget.	No
CurrentBudgetWorkspace3	Double	Workspace current budget.	No

Field	Type	Description	Read-Only
Description	String	The name of the CBS Code.	No
EACCost	Double	Calculated as ETC Cost plus Actual Cost to Date.	No
EACHours	Double	Calculated as ETC Hours plus Actual Hours to Date. This is the cumulative value for all objects in the workspace with the same CBS code.	No
EarnedCost	Double	Calculated as Performance Percent Complete multiplied by BAC Cost.	No
EarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	No
ETCAdjustedHours	Double	The amount of scope assignment work that is not yet accounted for. This is the cumulative value for all objects in the workspace with the same CBS code.	No
ETCCost	Double	The estimate of the cost needed to complete the work.Calculated as BAC Cost minus Earned Cost.	No
ETCHours	Double	The estimated number of hours needed to complete the work. Calculated as BAC Hours minus Earned Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	No
InstalledCost	Double	The total cost incurred on the scope assignment as of the current date.	No
InstalledHours	Double	Hours spent on the scope assignment. Calculated as Installed Quantity multiplied by Revised Productivity Rate. This is the cumulative value for all objects in the workspace with the same CBS code.	No
IsActive	Boolean	The active field indicates whether the CBS code is active for use.	No
IsCodeCopied	Boolean	The flag represents is templateCode copied or not	No
IsTotalRow	Boolean	Indicates this item represents the total cost of the project.	No
ObjectId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
ParentObjectId	Foreign Key	The unique identifier of the parent CBS.	No
PendingChangedCost	Double	Calculated as the sum of all pending cost changes in the change records for the scope assignment.	No
PendingChangedHours	Double	Calculated as the sum of all pending hour changes in the change records for the scope assignment. This is the cumulative value for all objects in the workspace with the same CBS code.	No
PlannedCost	Double	The original cost of the scope assignment.	No
PlannedHours	Double	The original expected hours needed to complete all the work required to install the material quantity on the scope assignment. This is the cumulative value for all objects in the workspace with the same CBS code.	No
ProjectActualCost	Double	Total cost accrued on a project within a given time period. The Actual Cost data is only available when the application is connected with P6 EPPM and is not editable.	No
ProjectActualHours	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	No
ProjectCPI	String	The measure of a project's cost efficiency.A value of less than 1 indicates the project is over budget, while a value greater than 1 indicates the project is under budget.	No
ProjectEarnedCost	Double	The value of work performed on a project in reference to the approved budget for the project. The cost value used for the Earned Value Management of a project.	No
ProjectEarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	No
ProjectHPI	Double	Calculated as the total of Project Earned Hours divided by Project Actual Hours.	No
PushDownStatus	Boolean	The push down status of a cbs template code. May be manual or automatic.	No

Field	Type	Description	Read-Only
RemainingCost	Double	The amount left to be spent.If Rate By set to Hours, then Remaining Cost equals Remaining Hours multiplied by Revised Cost Rate.If Rate By set to Quantity, then Remaining Cost equals Remaining Quantity multiplied by Revised Cost Rate.	No
RemainingHours	Double	The number of hours left for the scope assignment. Calculated as Remaining Quantity multiplied by Revised Productivity Rate. This is the cumulative value for all objects in the workspace with the same CBS code.	No
RevisedCost	Double	The Original Cost before the baseline is set. After the baseline is set, Revised Cost equals Original Cost plus Approved Change Cost.	No
RevisedHours	Double	Original Hours before the baseline is set. After the baseline is set, Revised Hours is equal to Original Hours plus Approved Change Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	No
SequenceNumber	String	The CBS template item sequence number.	No
WorkspaceCode	String	The user-specified identifier of the workspace.	No

CBSTemplateSegment

Description: The workspace level CBS segment definition which governs the hierarchical depth of theCBS and how codes will be concatenated.

Field	Type	Description	Read-Only
CopiedFromObjectId	Foreign Key	The unique identifier of the CBS segment that was copied to create the one being viewed.	No
ObjectId	String	The unique ID generated by the system.	No
SegmentDefaultValue	String	A value that is added to the concatenated code by default.	No

Field	Type	Description	Read-Only
SegmentDefinitionName	String	The name of the CBS segment.	No
SegmentSeparator	String	The separator determines how the concatenated code is separated. The separator can be a period, space, or hyphen.	No
TemplateObjectId	Foreign Key	The unique identifier for the CBS template.	No
WorkspaceCode	String	The user-specified unique identifier of the workspace.	No

ChangeOrder

Description: A formal commit change to the contract.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

ChangeOrderDetail

Description: Line Items for Change Order.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent change order detail.	No
ParentObjectId	ForeignKey	The unique ID of the change order.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

Contract

Description: Base Commit for EPC Activities (SOV = Payment Application).

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No

Field	Type	Description	Read-Only
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

ContractDetail

Description: Line Items for Contract.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent contract detail.	No
ParentObjectId	ForeignKey	The unique ID of the parent contract.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No

Field	Type	Description	Read-Only
WPId	String	Work Package	No

CostAccount

Description: Cost accounts contain the organization's cost account IDs. Available across all projects, they support tracking of costs and earned value based on the organization's cost account IDs. Cost accounts are hierarchical objects.

Field	Type	Description	Read-Only
Description	String	The description of the cost account.	No
Id	String	The short code that uniquely identifies this cost account.	No
Name	String	The name of the cost account.	No
ObjectId	String	The unique of the cost account.	No
ParentObjectId	ForeignKey	The unique ID of the parent cost account of this cost account in the hierarchy.	No
SequenceNumber	Int	The sequence number for sorting.	No

CostCategory

Description: The type of cost represented by the line item.

Field	Type	Description	Read-Only
Abbreviation	String	The abbreviation for the cost category name.	No
CostCategoryName	String	The name of the cost category.	No
CostCategoryType	String	The classification of the cost category. Valid Values are 'Labor','Equipment','Materials',and 'Other'.	No
ObjectId	String	The unique ID generated by the system.	No

CostColumn

Description: CostColumn is used to exchange the cost sheet data. Cost Sheet is a sheet which will have all the Costs related to different WBS codes for a particular project listed in it.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
LongDesc	String	Long Description	No
ObjectId	String	The unique ID generated by the system.	No
Quantity	Double	Quantity	No
ShortDesc	String	Short Description	No
SpendCategory	String	Spends Category	No
UnitCost	Double	Unit Cost	No
UnitOfMeasure	String	Unit of Measure	No
WBSCode	String	Cost code	No

Currency

Description: Currency fields.

Field	Type	Description	Read-Only
ConfiguredByUser	Boolean	The currency can be configured by user.	No
CreateDate	DateTime	The create Date for currency	No
CreateUser	String	The name of the user that created this user-defined field.	No
DecimalSymbol	Enum	The symbol for decimal	No
DecimalsToDisplay	Int	The number of decimals to display.	No
DigitGroupingSymbol	Enum	The symbol for Digit Groups	No
ExchangeRate	Double	The exchange rate for currency	No
Id	String	The id for currency	No
IsBaseCurrency	Boolean	The flag that identifies the base currency.	No
LastUpdateDate	DateTime	The Last Update Date for currency	No

Field	Type	Description	Read-Only
LastUpdateUser	String	The name of the user that last updated this user-defined field.	No
Name	String	The Name of currency	No
NegativeSymbol	Enum	The symbol for negative currency	No
ObjectId	String	The unique ID generated by the system.	No
PositiveSymbol	Enum	The symbol for positive currency	No
Symbol	String	The symbol for decimal	No
SystemCurrencyFlag	Boolean	The default currency. Any currency conversion will be measured against this form of currency.	No
WorkspaceObjectId	String	The ID of the workspace	No

EPS

Description: EPS.

Field	Type	Description	Read-Only
AnticipatedFinishDate	String	Anticipated Finish Date.	No
AnticipatedStartDate	String	Anticipated Start Date.	No
CreateDate	DateTime	The date this EPS was created.	No
CreateUser	String	The name of the user that created this EPS.	No
CurrentBudget	String	Current Budget.	No
CurrentVariance	String	Current Variance.	No
DistributedCurrentBudget	String	DistributedCurrentBudget.	No
FinishDate	String	Finish Date.	No
GUID	String	GUID.	No
Id	String	The short name of the EPS.	No
IndependentETCLaborUnits	String	Independent ETC Labor Units.	No
IndependentETCTotalCost	String	Independent ETC Total	No

Field	Type	Description	Read-Only
		Cost.	
LastSummarizedDate	String	Last Summarized Date.	No
LastUpdateDate	DateTime	The date this EPS was last updated.	No
LastUpdateUser	String	The name of the user that last updated this EPS.	No
Name	String	The name of the EPS.	No
ObjectId	String	The unique id that uniquely identifies this EPS.	No
OBSName	String	OBS Name.	No
OBSObjectId	String	OBS Object Id.	No
OriginalBudget	String	Original Budget.	No
ParentObjectId	String	Parent EPS Object ID.	No
PlannedStartDate	String	Planned Start Date.	No
ProjectObjectId	String	Project Object Id.	No
ProposedBudget	String	Proposed Budget.	No
SequenceNumber	String	Sequence Number.	No
StartDate	String	StartDate.	No
SummaryAccountingVarianceByCost	String	Summary Accounting Variance By Cost.	No
SummaryAccountingVarianceByLaborUnits	String	Summary Accounting Variance By Labor Units.	No
SummaryActivityCount	String	Summary Activity Count.	No
SummaryActualDuration	String	Summary Actual Finish Date.	No
SummaryActualExpenseCost	String	Summary Actual Expense Cost.	No
SummaryActualFinishDate	String	Summary Actual Finish Date.	No
SummaryActualLaborCost	String	Summary Actual Labor Cost.	No
SummaryActualLaborUnits	String	Summary Actual Labor Units.	No
SummaryActualMaterialCost	String	Summary Actual Material	No

Field	Type	Description	Read-Only
		Cost.	
SummaryActualNonLaborCost	String	Summary Actual Non Labor Cost.	No
SummaryActualNonLaborUnits	String	Summary Actual Non Labor Units.	No
SummaryActualStartDate	String	Summary Actual Start Date.	No
SummaryActualThisPeriodCost	String	Summary Actual This Period Cost.	No
SummaryActualThisPeriodLaborCost	String	Summary Actual This Period LaborCost.	No
SummaryActualThisPeriodLaborUnits	String	Summary Actual This Period Labor Units.	No
SummaryActualThisPeriodMaterialCost	String	Summary Actual This Period Material Cost.	No
SummaryActualThisPeriodNonLaborCost	String	Summary Actual This Period Non Labor Cost.	No
SummaryActualThisPeriodNonLaborUnits	String	Summary Actual This Period Non Labor Units.	No
SummaryActualTotalCost	String	Summary Actual Total Cost.	No
SummaryActualValueByCost	String	Summary Actual Value By Cost.	No
SummaryActualValueByLaborUnits	String	Summary Actual Value By Labor Units.	No
SummaryAtCompletionDuration	String	Summary At Completion Duration.	No
SummaryAtCompletionExpenseCost	String	Summary At Completion Expense Cost.	No
SummaryAtCompletionLaborCost	String	Summary At Completion Labor Cost.	No
SummaryAtCompletionLaborUnits	String	Summary At Completion Labor Units.	No
SummaryAtCompletionMaterialCost	String	Summary At Completion Material Cost.	No
SummaryAtCompletionNonLaborCost	String	Summary At Completion Non LaborC ost.	No

Field	Type	Description	Read-Only
SummaryAtCompletionNonLaborUnits	String	Summary At Completion Non Labor Units.	No
SummaryAtCompletionTotalCost	String	Summary At Completion Total Cost.	No
SummaryAtCompletionTotalCostVariance	String	Summary At Completion Total Cost Variance.	No
SummaryBaselineCompletedActivityCount	String	Summary Baseline Completed Activity Count.	No
SummaryBaselineDuration	String	Summary Baseline Duration.	No
SummaryBaselineExpenseCost	String	Summary Baseline Expense Cost.	No
SummaryBaselineFinishDate	String	Summary Baseline Finish Date.	No
SummaryBaselineInProgressActivityCount	String	Summary Baseline In Progress Activity Count.	No
SummaryBaselineLaborCost	String	Summary Baseline Labor Cost.	No
SummaryBaselineLaborUnits	String	Summary Baseline Labor Units.	No
SummaryBaselineMaterialCost	String	Summary Baseline Material Cost.	No
SummaryBaselineNonLaborCost	String	Summary Baseline Non Labor Cost.	No
SummaryBaselineNonLaborUnits	String	Summary Baseline Non Labor Units.	No
SummaryBaselineNotStartedActivityCount	String	Summary Baseline Not Started Activity Count.	No
SummaryBaselineStartDate	String	Summary Baseline Start Date.	No
SummaryBaselineTotalCost	String	Summary Baseline Total Cost.	No
SummaryBudgetAtCompletionByCost	String	Summary Budget At Completion By Cost.	No
SummaryBudgetAtCompletionByLaborUnits	String	Summary Budget At Completion By Labor Units.	No

Field	Type	Description	Read-Only
SummaryCompletedActivityCount	String	Summary Completed Activity Count.	No
SummaryCostPercentComplete	String	Summary Cost Percent Complete.	No
SummaryCostPercentOfPlanned	String	Summary Cost Percent Of Planned.	No
SummaryCostPerformanceIndexByCost	String	Summary Cost Performance Index By Cost.	No
SummaryCostPerformanceIndexByLaborUnits	String	Summary Cost Performance Index By Labor Units.	No
SummaryCostVarianceByCost	String	Summary Cost Variance By Cost.	No
SummaryCostVarianceByLaborUnits	String	Summary Cost Variance By Labor Units.	No
SummaryCostVarianceIndex	String	Summary Cost Variance Index.	No
SummaryCostVarianceIndexByCost	String	Summary Cost Variance Index By Cost.	No
SummaryCostVarianceIndexByLaborUnits	String	Summary Cost Variance Index By Labor Units.	No
SummaryDurationPercentComplete	String	Summary Duration Percent Complete.	No
SummaryDurationPercentOfPlanned	String	Summary Duration Percent Of Planned.	No
SummaryDurationVariance	String	Summary Duration Variance.	No
SummaryEarnedValueByCost	String	Summary Earned Value By Cost.	No
SummaryEarnedValueByLaborUnits	String	Summary Earned Value By Labor Units.	No
SummaryEstimateAtCompletionByCost	String	Summary Estimate At Completion By Cost.	No
SummaryEstimateAtCompletionByLaborUnits	String	Summary Estimate At Completion By Labor Units.	No

Field	Type	Description	Read-Only
SummaryEstimateAtCompletionHighPercentByLaborUnits	String	Summary Estimate At Completion High Percent By LaborUnits.	No
SummaryEstimateAtCompletionLowPercentByLaborUnits	String	Summary Estimate At Completion Low Percent By Labor Units.	No
SummaryEstimateToCompleteByCost	String	Summary Estimate To Complete By Cost.	No
SummaryEstimateToCompleteByLaborUnits	String	Summary Estimate To Complete By Labor Units.	No
SummaryExpenseCostPercentComplete	String	Summary Expense Cost Percent Complete.	No
SummaryExpenseCostVariance	String	Summary Expense Cost Variance.	No
SummaryFinishDateVariance	String	Summary Finish Date Variance.	No
SummaryInProgressActivityCount	String	Summary In Progress Activity Count.	No
SummaryLaborCostPercentComplete	String	Summary Labor Cost Percent Complete.	No
SummaryLaborCostVariance	String	Summary Labor Cost Variance.	No
SummaryLaborUnitsPercentComplete	String	Summary Labor Units Percent Complete.	No
SummaryLaborUnitsVariance	String	Summary Labor Units Variance.	No
SummaryMaterialCostPercentComplete	String	Summary Material Cost Percent Complete.	No
SummaryMaterialCostVariance	String	Summary Material Cost Variance.	No
SummaryNonLaborCostPercentComplete	String	Summary Non Labor Cost Percent Complete.	No
SummaryNonLaborCostVariance	String	Summary Non Labor Cost Variance.	No
SummaryNonLaborUnitsPercentComplete	String	Summary Non Labor Units Percent Complete.	No
SummaryNonLaborUnitsVariance	String	Summary Non Labor	No

Field	Type	Description	Read-Only
		Units Variance.	
SummaryNotStartedActivityCount	String	Summary Not Started Activity Count.	No
SummaryPerformancePercentCompleteByCost	String	Summary Performance Percent Complete By Cost.	No
SummaryPerformancePercentCompleteByLaborUnits	String	Summary Performance Percent Complete By Labor Units.	No
SummaryPlannedCost	String	Summary Planned Cost.	No
SummaryPlannedDuration	String	Summary Planned Duration.	No
SummaryPlannedExpenseCost	String	Summary Planned Expense Cost.	No
SummaryPlannedFinishDate	String	Summary Planned Finish Date.	No
SummaryPlannedLaborCost	String	Summary Planned Labor Cost.	No
SummaryPlannedLaborUnits	String	Summary Planned Labor Units.	No
SummaryPlannedMaterialCost	String	Summary Planned Material Cost.	No
SummaryPlannedNonLaborCost	String	Summary Planned Non Labor Cost.	No
SummaryPlannedNonLaborUnits	String	Summary Planned Non Labor Units.	No
SummaryPlannedStartDate	String	Summary Planned Start Date.	No
SummaryPlannedValueByCost	String	Summary Planned Value By Cost.	No
SummaryPlannedValueByLaborUnits	String	Summary Planned Value By Labor Units.	No
SummaryProgressFinishDate	String	Summary Progress Finish Date.	No
SummaryRemainingDuration	String	Summary Remaining Duration.	No
SummaryRemainingExpenseCost	String	Summary Remaining	No

Field	Type	Description	Read-Only
		Expense Cost.	
SummaryRemainingFinishDate	String	Summary Remaining Finish Date.	No
SummaryRemainingLaborCost	String	Summary Remaining Labor Cost.	No
SummaryRemainingLaborUnits	String	Summary Remaining Labor Units.	No
SummaryRemainingMaterialCost	String	Summary Remaining Material Cost.	No
SummaryRemainingNonLaborCost	String	Summary Remaining Non Labor Cost.	No
SummaryRemainingNonLaborUnits	String	Summary Remaining Non Labor Units.	No
SummaryRemainingStartDate	String	Summary Remaining Start Date.	No
SummaryRemainingTotalCost	String	Summary Remaining Total Cost.	No
SummarySchedulePercentComplete	String	Summary Schedule Percent Complete.	No
SummarySchedulePercentCompleteByLaborUnits	String	Summary Schedule Percent Complete By Labor Units.	No
SummarySchedulePerformanceIndexByCost	String	Summary Schedule Performance Index By Cost.	No
SummarySchedulePerformanceIndexByLaborUnits	String	Summary Schedule Performance Index By Labor Units.	No
SummaryScheduleVarianceByCost	String	Summary Schedule Variance By Cost.	No
SummaryScheduleVarianceByLaborUnits	String	Summary Schedule Variance By Labor Units.	No
SummaryScheduleVarianceIndex	String	Summary Schedule Variance Index.	No
SummaryScheduleVarianceIndexByCost	String	Summary Schedule Variance Index By Cost.	No
SummaryScheduleVarianceIndexByLaborUnits	String	Summary Schedule Variance Index By Labor	No

Field	Type	Description	Read-Only
		Units.	
SummaryStartDateVariance	String	Summary Start Date Variance.	No
SummaryToCompletePerformanceIndexByCost	String	Summary To Complete Performance Index By Cost.	No
SummaryTotalCostVariance	String	Summary Total Cost Variance.	No
SummaryTotalFloat	String	Summary Total Float.	No
SummaryUnitsPercentComplete	String	Summary Units Percent Complete.	No
SummaryVarianceAtCompletionByLaborUnits	String	Summary Variance At Completion By Labor Units.	No
TotalBenefitPlan	String	Total Benefit Plan.	No
TotalBenefitPlanTally	String	Total Benefit Plan Tally.	No
TotalFunding	String	Total Funding.	No
TotalSpendingPlan	String	Total Spending Plan.	No
TotalSpendingPlanTally	String	Total Spending Plan Tally.	No
UnallocatedBudget	String	Unallocated Budget.	No
UndistributedCurrentVariance	String	Undistributed Current Variance.	No

Estimate

Description: Used to create multiple project estimates and identify the preferred scenario.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

EstimateDetail

Description: Line Items for Estimate.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the estimate.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

ExchangeRate

Description: ExchangeRate allows the use of multiple currencies within a project for Cost purposes and are defined at the Company level. ExchangeRate would be used to define the current exchange rate for a currency as compared to the base currency of the Company.

Field	Type	Description	Read-Only
CurrencyCode	String	Currency Code	No
CurrencyName	String	Currency Name	No
CurrencyObjectId	ForeignKey	The unique ID of the currency	No
EffectiveEndDate	DateTime	The effective end date of the exchange rate.	No
EffectiveStartDate	DateTime	The date the exchange rate goes into effect.	No
ObjectId	String	The unique ID generated by the system.	No
Rate	Double	Currency Exchange Rate	No
WorkspaceId	String	The user-specified identifier for a workspace	No

ExpenseCategory

Description: Expense categories are used to categorize project expenses. They are used for standardizing expenses and for rolling up expenses across projects.

Field	Type	Description	Read-Only
ExpenseCategory	String	The Expense Category Name.	No
ObjectId	String	The unique ID generated by the system.	No

FinancialPeriod

Description: Financial periods are used to provide accurate display and reporting of actual units and costs. Financial periods may not overlap each other and do not have to be contiguous.

Name	Type	Description	Read-Only
EndDate	DateTime	The end date of the financial period.	No
Name	String	The name of the financial period.	No
ObjectId	String	The unique ID of the financial period.	No
StartDate	DateTime	The start date of the financial period.	No

FundAppropriation

Description: Fund accounts as assigned to projects.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

FundAppropriationDetail

Description: Line Items for Fund Appropriation.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the fund appropriation.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No

Field	Type	Description	Read-Only
TabId	String	Tab Name	No
WPId	String	Work Package	No

Invoice

Description: A general process for requesting and approving payments against commitments (invoice at the WBS or breakdown level, do not calculate retainage or stored materials).

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

InvoiceDetail

Description: Line Items for Invoice.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
BreakDown	String	Break Down	No
Description	String	Description	No

Field	Type	Description	Read-Only
EffectiveDate	DateTime	Effective Date	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent invoice detail.	No
ParentObjectId	ForeignKey	The unique ID of the invoice.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefNum	String	Reference Number	No
ScheduledValue	Double	Scheduled Value	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

JournalEntry

Description: A process for adjusting spends line items. Most commonly used to reassign costs to alternate cost centers or GL codes; Generic spend to transfer across cost codes.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

JournalEntryDetail

Description: Line Items for Journal Entry.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the journal entry.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

Location

Description: The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.

Field	Type	Description	Read-Only
AddressLine1	String	The first line of the address with street number and street name.	No
AddressLine2	String	The second line of the address with street number and street name.	No
City	String	The city name of the address.	No
Country	String	The country of the address.	No

Field	Type	Description	Read-Only
CountryCode	String	The country code of the address.	No
Latitude	Double	The latitude of the location.	No
LocationCode	String	The code that identifies this Location	No
Longitude	Double	The longitude of the location.	No
Municipality	String	The municipality name of the address.	No
Name	String	The name of the location.	No
ObjectId	String	The unique ID generated by the system.	No
PostalCode	String	The postal code of the address.	No
State	String	The state name of the address.	No
StateCode	String	The state abbreviation of the address.	No

NotebookTopic

Description: Notebook topics are used to categorize notes on EPS, project, WBS,and activity objects.

Field	Type	Description	Read-Only
AvailableForActivity	Boolean	The flag indicating that the topic will be available to assign to activities.	No
AvailableForEPS	Boolean	The flag indicating that the topic will be available to assign to EPS.	No
AvailableForProject	Boolean	The flag indicating that the topic will be available to assign to projects.	No
AvailableForWBS	Boolean	The flag indicating that the topic will be available to assign to WBS.	No
Name	String	The name of the NotebookTopic.	No
ObjectId	String	The unique ID of the NotebookTopic.	No

Payment

Description: BP to hold Checks Processed Information from Financial System.

Field	Type	Description	Read-Only
Amount	Double	Amount	No

Field	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

PaymentApplication

Description: A process to track your payment information using a standard payment application method (for example, tracking retainage, stored materials, past payments, etc.)

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

PaymentApplicationDetail

Description: Line Items for Payment Application.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
BreakDown	String	Break Down	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent payment application detail.	No
ParentObjectId	ForeignKey	The unique ID of the payment application.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefNum	String	Reference Number	No
ScheduledValue	Double	Scheduled Value	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

PaymentApplicationtoOwner

Description: A payment application that is raised by a contractor to the owner in order for the contractor to receive payment.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No

Field	Type	Description	Read-Only
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

PaymentApplicationtoOwnerDetail

Description: Line Items for Payment Applications to Owner.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
BreakDown	String	Break Down	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent payment application detail.	No
ParentObjectId	ForeignKey	The unique ID of the payment application.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefNum	String	Reference Number	No
ScheduledValue	Double	Scheduled Value	No
ShortDesc	String	Short Description	No

Field	Type	Description	Read-Only
TabId	String	Tab Name	No
WPId	String	Work Package	No

PaymentDetail

Description: Line Items for Payment.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the payment.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

PaymentFromOwner

Description: A record of the actual payments a contractor will have received from the owner based on the payment application they presented to the owner.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No

Field	Type	Description	Read-Only
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

PaymentFromOwnerDetail

Description: Line Items for Payments From Owner.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the payment.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

POAmendment

Description: Approval process for purchase order changes.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

POAmendmentDetail

Description: Line Items for PO Amendment.

Name	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent PO Amendment detail.	No
ParentObjectId	ForeignKey	The unique ID of the PO Amendment.	No

Name	Type	Description	Read-Only
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

PotentialChangeOrder

Description: Contractor initiated potential change order.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

PotentialChangeOrderDetail

Description: Line Items for Potential Change Order.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No

Field	Type	Description	Read-Only
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the potential change order.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

Project

Description: A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities.

Field	Type	Description	Read-Only
ActivityDefaultCalendarCode	String	The default activity calendar code.	No
ActivityDefaultCalendarName	String	The name of the Activity Default Calendar of this project.	No
ActivityDefaultCalendarObjectId	ForeignKey	The unique id of the Activity Default Calendar of this project.	No
ActivityDefaultDurationType	Enum	Indicates the activity default duration type of the activity..	No
ActualCost	Double	The actual cost of the project.	No
ActualCostPresentValue	Double	Also known as discounted value of the overall project actuals, future cash flows are discounted using the project's annual discount rate. Use the present value of the expected cash flow as a metric for project	No

Field	Type	Description	Read-Only
		prioritization and selection.	
ActualDuration	Double	The actual duration of the project.	No
ActualFinishDate	DateTime	The date on which the project is actually finished.	No
ActualStartDate	DateTime	The date on which the project is actually started.	No
AllocatedFundApprovedBudgetVariance	Double	The total and time phased variance between the project's Allocated Fund and Approved Budget	No
AllocatedFundForecastVariance	Double	The total and time phased variance between the project's Allocated Fund and Forecast.	No
AllocatedFundPlannedBudgetVariance	Double	The total and time phased variance between the project's Allocated Fund and Planned Budget.	No
AnnualDiscountRate	Double	The annual discount rate value of the project.	No
AnticipatedFinishDate	DateTime	The anticipated finish date of the project.	No
AnticipatedStartDate	DateTime	The anticipated start date of the project.	No
AssignmentDefaultDrivingFlag	Boolean	The boolean assignment default driving flag value of the assignment.	No
AtCompletionCost	Double	The at completion cost of the project.	No
baseCurrencyCode	String	The three letter currency character code for the base currency.	No
BenefitsCost	Double	Project benefits is the income or positive cash flow from which all charges, costs, and expenses are subtracted to arrive at the net income. Also called sales, turnover, or revenue	No
BenefitsCostDistributed	Double	The amount of benefits currently allocated across the project	No

Field	Type	Description	Read-Only
		timescale	
BenefitsCostPresentValue	Double	Also known as discounted value of the overall project benefits, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	
BenefitsCostUndistributed	Double	The amount of benefits that have not been allocated across the project timescale.	No
BusinessSegment	String	A Project Code field to define the Business Segment of the Project.	No
BusinessUnit	String	Organization hierarchy - Business Unit	No
CalculateFloatBasedOnFinishDate	String	The flag that indicates how each activity's float will be calculated with respect to other projects in the scheduling batch. This setting only has an effect when scheduling multiple projects at the same time	No
Comments	String	A Project UDF to define additional comments for the Project.	No
ComputeTotalFloatType	Enum	The method for calculating total float for all activities.	No
ConsiderForFinances	String	Consider for finances flag	No
CostPerformanceIndex	Double	The cost performance index of the project.	No
CostVariance	Double	The cost variance of the project.	No
CriticalActivityFloatThreshold	String	The maximum float time for activities before they are marked critical.	No
CriticalActivityPathType	Enum	Indicates Activity critical path type.	No
CriticalDuration	Int	The number of days past the end date that an activity can go before it is marked as a critical activity.	No

Field	Type	Description	Read-Only
CriticalFloatThreshold	Double	The option used for setting the critical float threshold value when scheduling projects.	No
CurrentApprovedBudgetBasePresentValue	Double	The present value, also known as discounted value, of the portfolio approved budget. Future cash flows are discounted using the project's annual discount rate.	No
CurrentApprovedSpendCostVariance	Double	The total and time phased variance between the project's Approved Budget and Actuals.	No
CurrencyCode	String	Project currency	No
CurrentBudget	Double	The current budget of the project.	No
CurrentBudgetProject	Double	The total project budget including all transfers and change.	No
DataDate	DateTime	Data Date of the Project	No
DatesDuration	String	External mode - Dates Duration	No
DefaultLaborExpenseType	String	Default expense type	No
DefaultPriceTimeUnits	Enum	Indicates default price time units of the activity	No
Description	String	The description of the project.	No
Division	String	Organization hierarchy - Division	No
DurationEffort	String	External mode - Duration Effort	No
EarnedValueCost	Double	The earned value cost of the project.	No
EarnedValueETCComputeType	Enum	Indicates earned value ETC compute type of the project	No
EarnedValueETCUserValue	Double	The earned value ETC user value for project computing earned value.	No
EffortCost	String	External mode - Effort Cost	No
EMailNotificationFlag	String	Email notification flag	No
EstimateAtCompletionCost	Double	The estimate at completion cost of the project.	No
EstimateToCompletionCost	Double	The estimate to completion cost of the project.	No

Field	Type	Description	Read-Only
FinanceApprovalTemplate	String	Finance approval template	No
FinanceEditMode	String	Finance edit mode	No
FinanceLockDate	DateTime	Project finance lock date	No
FinanceTemplateId	String	Finance template	No
FinanceTrackStartDate	String	Finance tracking start month	No
FinishDate	DateTime	The finish date of the project.	No
FiscalYearStartMonth	Int	The fiscal year start month of the project.	No
ForecastCost	Double	Initial Forecast - Cost	No
ForecastCostPresentValue	Double	Also known as discounted value of the overall project forecast, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	No
ForecastCurrApprCostVariance	Double	The total and time phased variance between the project's Forecast and Approved Budget	No
ForecastGroup4	Double	Initial forecast - Group 4	No
ForecastGroup5	Double	Initial forecast - Group 5	No
ForecastNonRollup	Double	Initial forecast - Nonrollup	No
ForecastTotal	Double	Initial forecast - Total	No
FunctionalArea	String	Functional area	No
GracePeriodForCompletedActivities	String	Grace period for completed activities in timesheet	No
GracePeriodForFutureActivities	String	Grace period for future activities in timesheet	No
Id	String	The short code of the Project	No
IgnoreOtherProjectRelationships	Boolean	The option used by the scheduler for treating activity relationships between projects when scheduling.	No
InitialForecast	Double	Initial forecast - Savings	No
IntegratedType	Enum	The indicator that determines	No

Field	Type	Description	Read-Only
		whether the resource is integrated with an Enterprise Resource Planning (ERP) system. 'Fusion' indicates the resource is integrated with Oracle Fusion. 'ERP' indicates the resource is integrated with another ERP system.	
InternalProjectId	Int	The Internal Project Object Id.	No
IsCapitalizationEnabled	String	Is capitalization enabled flag	No
IsCapitalized	String	Is capitalized flag	No
IsETCEnabledForTS	String	ETC enabled for timesheets flag	No
IsETCRequiredForTS	String	ETC required for timesheet flag	No
IsFinanceLockGlobal	String	Global finance lock flag	No
IsLaborExpenseMandatory	String	Labor Expense mandatory flag	No
Keywords	String	Project Keywords	No
LimitMultipleFloatPaths	Int	The number of critical float paths to calculate.	No
Location	String	Organization hierarchy - Location	No
LocationCode	String	The code of the location assigned to the project.	No
LocationId	String	Location Id	No
LocationName	String	The name of the location assigned to the project.	No
LocationObjectId	Int	The unique ID of the location assigned to the project.	No
MakeOpenEndedActivities Critical	String	The option used by the scheduler for automatically leveling resources when scheduling projects.	No
MaximumMultipleFloatPaths	String	The number of critical float paths to calculate	No
MultipleFloatPathsEnabled	String	The Boolean value that indicates whether multiple critical float paths (sequences of activities) should be calculated in the project schedule.	No

Field	Type	Description	Read-Only
MultipleFloatPathsEndingActivityObjectId	String	The activity in the WBS that you want to represent the end of the float paths.	No
MultipleFloatPathsUseTotalFloat	String	The Boolean value that decides whether or not to use total float in multiple float path calculations.	No
MustFinishByDate	DateTime	The expected completion date of the project.	No
Name	String	The name of the Project	No
NetPresentValue	Double	The net present value of the project.	No
ObjectId	String	The unique ID generated by the system.	No
OriginalBudget	Double	The original budget of the project.	No
OriginalBudgetProject	Double	The total original project budget before transfers and changes.	No
OriginalProjectObjectId	ForeignKey	The unique ID of the original project. It is a baseline project if this field is not null.	No
OutOfSequenceScheduleType	String	The type of logic used to schedule the progressed activities: 'Retained Logic', 'Progress Override', or 'Actual Dates'.	No
Owner	String	Owner of the project	No
ParentEPSId	String	The parent eps id of the project.	No
ParentEPSObjectId	ForeignKey	The unique ID of the parent EPS of this project.	No
PaybackPeriod	Double	The pay back period of the project.	No
PCS	String	Project initiative	No
PercentComplete	Double	Project Percent Complete Types	No
PercentCompleteType	String	Project percent completion type	No
PlannedBudget	Double	The planned budget of the project.	No
PlannedBudgetPresentValue	Double	Also known as discounted value of the overall project planned	No

Field	Type	Description	Read-Only
		budget, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	
PlannedDuration	Double	The planned duration of the project.	No
PlannedStartDate	DateTime	The expected start date of the project.	No
PlannedValueCost	Double	The summary planned value by cost of the project.	No
PostResponsePessimisticFinish	DateTime	The calculated project post-response finish date that corresponds to the defined pessimistic percentile.	No
PostResponsePessimisticStart	DateTime	The calculated project post-response start date that corresponds to the defined pessimistic percentile.	No
PreResponsePessimisticFinish	DateTime	The calculated project pre-response finish date that corresponds to the defined pessimistic percentile.	No
PreResponsePessimisticStart	DateTime	The calculated project pre-response start date that corresponds to the defined pessimistic percentile.	No
PrimaveraWorkspace	String	A Project Code field to define the Primavera Cloud Workspace of the Project.	No
Priority	String	Priority	No
Process	String	Process	No
Product	String	Product	No
projectCurrencyCode	String	The three letter currency character code for the project currency.	No
ProjectDefaultDurationType	Enum	The default project duration type. Values are: ‘Fixed Units/Time’,	No

Field	Type	Description	Read-Only
		‘Fixed Duration and Units/Time’, ‘Fixed Units’, or ‘Fixed Duration and Units’.	
ProjectScheduleType	Enum	Schedule type of the project - Valid values are 'Duration' or 'Resource' or 'Cost'.	No
ProjectSource	String	Project source	No
ProjectType	String	Project type	No
PropertyType	Enum	The project property name associated with the scheduling of projects.	No
ProposedBudget	Double	The proposed budget of the project.	No
ProposedBudgetBasePresentValue	Double	The present value, also known as discounted value, of the portfolio proposed budget. Future cash flows are discounted using the project's annual discount rate.	No
ProposedForecastCostVariance	Double	The total and time phased variance between the project's Proposed Budget and Forecast.	No
ProposedPlannedCostVariance	Double	The total and time phased variance between the project's Proposed Budget and Planned Budget	No
Region	String	Organization hierarchy- Region	No
RelationshipLagCalendar	Enum	The calendar used to calculate the lag between predecessors and successors for all activities.	No
RemainingDuration	Double	The remaining duration of the project.	No
RemainingTotalCost	Double	The remaining total cost of the project.	No
ResourceComputationEnable	String	Resource computation enabled flag	No
ReturnInvestment	Double	The return on investment of the project.	No
RiskMatrixCode	String	The code of the risk matrix.	No

Field	Type	Description	Read-Only
RiskMatrixName	String	The name of the associated risk matrix.	No
RiskMatrixObjectId	ForeignKey	The risk matrix objectId of the project.	No
RiskScore	Int	The risk score of the project.	No
Roadmap	String	Project roadmap	No
SchedulePerformanceIndex	Double	The schedule performance index of the project.	No
ScheduleVariance	Double	The schedule variance of the project.	No
SpendForecastCostVariance	Double	The total and time phased variance between the project's Actuals and Forecast.	No
SpendPlannedCostVariance	Double	The total and time phased variance between the project's Actuals and Planned Budget.	No
StartDate	DateTime	The start date of the project.	No
StartToStartLagCalculationType	Boolean	The method used to calculate lag when a start-to-start relationship exists and the predecessor starts out of sequence.	No
Status	Enum	The status of the project. valid values are PLANNED, ACTIVE, INACTIVE, WHAT-IF, REQUESTED.	No
StrategicPriority	Int	The strategic priority of the project.	No
SubUnit	String	Organization hierarchy - Sub Unit	No
SummaryRemainingTotalCost	Double	The summary remaining total cost of the project.	No
TotalCost	Double	The total of all project-related costs incurred over the period of the project.	No
TotalCostProject	Double	The total of all project-related costs incurred over the period of the project if using project currency.	No
URL	String	The string web site URL of the	No

Field	Type	Description	Read-Only
		project.	
UseExpectedFinishDates	String	The option used for setting activity finish dates as the expected finish dates when scheduling projects.	No
VarianceFinishDate	DateTime	The variance finish date of the project.	No
VarianceStartDate	DateTime	The variance start date of the project.	No

ProjectBudget

Description: The total cost of the project budget including all transfers and changes.

Field	Type	Description	Read-Only
ApproveByUserId	String	The user who approved the budget.	No
ApproveByUserName	String	The name of the user who approved a project budget.	No
ApproveDate	DateTime	The date the project budget was approved.	No
BudgetStatus	Enum	The state of the project budget change request. Values can be "DRAFT", "PENDING", "REJECTED", "APPROVED".	No
LastModifiedById	String	The unique identifier of the user who last modified the project budget.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectName	String	The name of a project.	No
ProjectObjectId	Foreign Key	The unique identifier of the project	No
RejectByUserId	String	The user who rejected the budget.	No
RejectByUserName	String	The name of the user who rejected a project budget.	No
RejectDate	DateTime	The date the budget was rejected.	No
SubmitByUserId	String	The user who submitted the budget for review.	No

SubmitByUserName	String	The name of the user who submitted a project budget.	No
SubmitDate	DateTime	The date the budget was submitted for review.	No
WithdrawApprovalByUserId	String	The user who withdrew approval of the budget.	No
WithdrawApprovalByUserName	String	The name of the user who withdrew a project budget.	No
WithdrawApprovalDate	DateTime	The date the approval of the budget is withdrawn.	No

ProjectBudgetChange

Description: The estimated cost of a new budget item in a budget.

Field	Type	Description	Read-Only
ApproveByUserId	String	The username of the user that approved the item.	No
ApproveByUserName	String	The name of the user who approved a project budget change.	No
ApproveDate	DateTime	Date the item was approved.	No
BudgetChangeCode	String	The unique identifier of the project budget change request.	No
Description	String	Details supporting the change request.	No
LastModifiedById	String	The user name of the user who last made changes to the item.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectBudgetObjectId	Foreign Key	The system-generated identifier of a project budget.	No
ProjectId	String	The unique identifier for a project set by the user who created the project.	No
ProjectObjectId	Foreign Key	The unique identifier of the project	No
RejectByUserId	String	The username of the user that rejected the item.	No

RejectByUserName	String	The name of the user who rejected a project budget change.	No
RejectDate	DateTime	Date the item was rejected.	No
Status	Enum	The state of the project budget change request. Valid values are: 'PENDING', 'APPROVED', and 'REJECTED'.	No
SubmitByUserId	String	The username of the user that submitted the item.	No
SubmitByUserName	String	The name of the user who submitted a project budget change.	No
SubmitDate	DateTime	Date the item was submitted.	No
TotalCost	Double	The cost to be added or subtracted from the project budget.	No
TotalCostProject	Double	The cost to be added or subtracted from the project budget in project currency.	No
TotalCostWorkspace1	Double	The total cost of a workspace.	No
TotalCostWorkspace2	Double	The total cost of a workspace.	No
TotalCostWorkspace3	Double	The total cost of a workspace.	No
WithdrawApprovalByUserId	String	The username of the user that withdrew approval of the item.	No
WithdrawApprovalByUserName	String	The name of the user who withdrew a project budget change.	No
WithdrawApprovalDate	DateTime	Date the item was withdrawn.	No
WorkspaceId	String	The user-specified identifier of a workspace.	No

ProjectBudgetChangeTransaction

Description: The estimated cost of changing a budget item in a budget.

Field	Type	Description	Read-Only
AmountCost	Double	The amount that the budget row has changed as the result of transactions.	No
AmountCostProject	Double	The changed cost of a project.	No

AmountCostWorkspace1	Double	The changed costs of a workspace.	No
AmountCostWorkspace2	Double	The changed costs of a workspace.	No
AmountCostWorkspace3	Double	The changed costs of a workspace.	No
ApproveDate	DateTime	Date the item was approved	No
BudgetCBSSheetCodeObjectId	Foreign Key	The name of the CBS Code associated with the budget line item.	No
BudgetChangeObjectId	Foreign Key	The unique identifier for the budget change item.	No
BudgetCostCategoryObjectId	Foreign Key	The type of cost associated with the budget line item.	No
BudgetHours	Double	The number of hours needed to complete the budget details line item. Calculated as Production Rate multiplied by Quantity.	No
BudgetItemName	String	The name of the budget item.	No
BudgetItemObjectId	Foreign Key	A unique identifier for the budget item (Change Budget Line).	No
ChangeMode	Enum	The detailed Budget change line item. Valid values are: ‘AUTO’, ‘MANUAL’, and ‘CHANGE’.	No
CurrentCost	Double	The current cost of the associated budget line item.	No
CurrentCostProject	Double	The current cost of a project.	No
CurrentCostWorkspace1	Double	The current cost of a workspace.	No
CurrentCostWorkspace2	Double	The current cost of a workspace.	No
CurrentCostWorkspace3	Double	The current cost of a workspace.	No
DesiredCode	String	A unique identifier for the budget item (Add Budget Line).	No
ItemCode	String	The unique identifier for the budget line item.	No
ItemCodeSuffix	String	The suffix of a budget transaction code.	No

LaborRate	Double	The cost per labor hour of the budget line item detail.	No
LaborRateProject	Double	The labor rate cost of a project.	No
LaborRateWorkspace1	Double	The labor rate cost of a workspace.	No
LaborRateWorkspace2	Double	The labor rate cost of a workspace.	No
LaborRateWorkspace3	Double	The labor rate cost of a workspace.	No
ObjectId	String	The unique ID generated by the system.	No
ProductionRate	Double	The number of hours per unit of measure needed to complete the budget line item.	No
Quantity	Double	The number of each budget line item needed to complete the work.	No
Status	Enum	The status of the transaction. Valid values are: 'DRAFT', 'PENDING', 'REJECTED' and 'APPROVED'.	No
TransactionType	Enum	Specifies the transaction type of the budget row. Valid values are: 'ORIGINAL', 'CHANGE', and 'TRANSFER'.	No
UnitOfMeasureObjectId	Foreign Key	The unit of measure used for the budget line item detail.	No
UnitRate	Double	The cost per unit of measure for the budget line item detail.	No
UnitRateProject	Double	The unit rate cost of a project.	No
UnitRateWorkspace1	Double	The unit rate cost of a workspace.	No
UnitRateWorkspace2	Double	The unit rate cost of a workspace.	No
UnitRateWorkspace3	Double	The unit rate cost of a workspace.	No

ProjectBudgetItem

Description: The estimated cost of a budget item required to complete a project.

Field	Type	Description	Read-Only
Abbreviation	String	The abbreviated name of a cost category.	No

BudgetChangeObjectId	Foreign Key	Indicates whether the budget item originated in a budget change.	No
BudgetHours	Double	The number of hours needed to complete the budget item. Calculated as Production Rate multiplied by Quantity.	No
BudgetItemCode	String	The unique identifier of the project budget item.	No
CBSCode	String	The CBS associated with this budget item.	No
CBSSheetCodeObjectId	Foreign Key	The unique identifier of the CBS Code.	No
CostCategoryName	String	The cost category assigned to this budget item.	No
CostCategoryObjectId	Foreign Key	The type of cost associated with the budget item.	No
CurrentCost	Double	The current cost of the budget line item.	No
CurrentCostProject	Double	The current cost of a project.	No
ItemName	String	The name of the budget item.	No
ItemSuffix	String	The suffix of a budget item code.	No
LaborRate	Double	The cost per labor hour of the budget line item.	No
LaborRateProject	Double	The labor rate cost of a project.	No
ObjectId	String	The unique ID generated by the system.	No
OriginalCost	Double	The original cost of the budget line item.	No
OriginalCostProject	Double	The original cost of a project.	No
ProductionRate	Double	The number of hours per unit of measure needed to complete the budget item.	No
ProjectBudgetObjectId	Foreign Key	The system-generated identifier of a project budget.	No
ProjectId	String	The project associated with this budget item.	No
ProjectObjectId	Foreign Key	The unique identifier for the project.	No
Quantity	Double	The number of each budget item needed to complete the work.	No
SourceId	String	The unique identifier of budget item data in an external source.	No

UnitRate	Double	The cost per unit of measure for the budget line item.	No
UnitRateProject	Double	The unit rate cost of a project.	No
UnitsOfMeasureObjectId	Foreign Key	The unit of measure used for the budget item.	No
WorkspaceId	String	The user-specified identifier of a workspace.	No

ProjectBudgetTransfer

Description: This is costs transferred from one budget line to another budget line.

Field	Type	Description	Read-Only
ApproveByUserId	String	The username of the user that approved the item.	No
ApproveByUserName	String	The name of the user who approved a project budget transfer.	No
ApproveDate	DateTime	Date the item was approved.	No
BudgetItemObjectId	Foreign Key	The system-generated identifier of a budget item.	No
BudgetTransferId	String	The unique identifier of the project budget transfer request.	No
Description	String	Details supporting the change request.	No
ItemPrefix	String	The prefix of a budget transfer code.	No
ItemSuffix	String	The suffix of a budget transfer code.	No
LastModifiedById	String	The username of the user who last made changes to the item.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectBudgetObjectId	Foreign Key	The system-generated identifier of a project budget.	No
ProjectId	String	The unique identifier for a project set by the user who created the project.	No
ProjectObjectId	Foreign Key	The unique identifier of the project.	No

RejectByUserId	String	The username of the user that rejected the item.	No
RejectByUserName	String	The name of the user who rejected a project budget transfer.	No
RejectDate	DateTime	Date the item was rejected.	No
Status	Enum	The state of the project budget change. Valid values are: â€˜PENDINGâ€™, â€˜APPROVEDâ€™ and â€˜REJECTEDâ€™.	No
SubmitByUserId	String	The username of the user that submitted the item.	No
SubmitByUserName	String	The name of the user who submitted a project budget transfer.	No
SubmitDate	DateTime	Date the item was submitted.	No
WithdrawApprovalByUserId	String	The username of the user that withdrew approval of the item.	No
WithdrawApprovalByUserName	String	The name of the user who withdrew a project budget transfer.	No
WithdrawApprovalDate	DateTime	Date the item was withdrawn.	No
WorkspaceId	String	The user-specified identifier of a workspace.	No

ProjectBudgetTransferTransaction

Description: ProjectBudgetTransferTransaction fields.

Field	Type	Description	Read-Only
AmountCost	Double	The amount that the budget row has changed as the result of transactions.	No
AmountCostProject	Double	The changed cost of a project.	No
AmountCostWorkspace1	Double	The changed costs of a workspace.	No
AmountCostWorkspace2	Double	The changed costs of a workspace.	No

AmountCostWorkspace3	Double	The changed costs of a workspace.	No
ApproveDate	DateTime	The date the transaction was approved.	No
BudgetCbsSheetCodeObjectId	Foreign Key	The name of the CBS Code associated with the budget line item.	No
BudgetCostCategoryObjectId	Foreign Key	The type of cost associated with the budget line item.	No
BudgetHours	Double	The number of hours needed to complete the budget details line item. Calculated as Production Rate multiplied by Quantity.	No
BudgetItemName	String	The name of the budget item.	No
BudgetItemObjectId	Foreign Key	The system-generated identifier of a budget item.	No
BudgetTransferObjectId	Foreign Key	The system-generated identifier of a budget transfer.	No
BudgetTransferType	Enum	Specifies whether the budget row is transfer from budget record or transfer to budget record. Valid values are: â€˜TOâ€™ and â€˜FROMâ€™.	No
CurrentCost	Double	The current cost of the associated budget line item.	No
CurrentCostProject	Double	The current cost of a project.	No
CurrentCostWorkspace1	Double	The current cost of a workspace.	No
CurrentCostWorkspace2	Double	The current cost of a workspace.	No
CurrentCostWorkspace3	Double	The current cost of a workspace.	No
ItemCode	String	The unique identifier for the budget line item.	No
ItemCodeSuffix	String	The suffix of a budget transaction code.	No
LaborRate	Double	The cost per labor hour of the budget line item detail.	No
LaborRateProject	Double	The labor rate cost of a project.	No
LaborRateWorkspace1	Double	The labor rate cost of a workspace	No
LaborRateWorkspace2	Double	The labor rate cost of a workspace	No

LaborRateWorkspace3	Double	The labor rate cost of a workspace	No
ObjectId	String	The unique ID generated by the system.	No
ProductionRate	Double	The number of hours per unit of measure needed to complete the budget line item.	No
Quantity	Double	The number of each budget line item needed to complete the work.	No
Status	Enum	The status of the transaction. Valid values are: â€˜DRAFTâ€™, â€˜PENDINGâ€™, â€˜REJECTEDâ€™ and â€˜APPROVEDâ€™.	No
TransactionType	Enum	Specifies the transaction type of the budget row. Valid values are: â€˜ORIGINALâ€™, â€˜CHANGEâ€™, and â€˜TRANSFERâ€™.	No
TransferFromCBSObjectId	Foreign Key	The CBS code of the source budget line item. This identifies the CBS code of the budget line item you are transferring money from through the transfer.	No
TransferFromCostCategoryObjectId	Foreign Key	The cost category ID of the source budget line item.	No
TransferFromObjectId	Foreign Key	The unique identifier for the source budget line item. This identifies the ID of the budget item you are transferring money from through the transfer.	No
TransferToCBSObjectId	Foreign Key	The CBS code of the destination budget line item. This identifies the CBS code of the budget line item you are transferring money to through the transfer.	No
TransferToCostCategoryObjectId	Foreign Key	The cost category ID of the destination budget line item.	No
TransferToObjectId	Foreign Key	The unique identifier for the destination budget line item. This identifies the ID of the budget item you are transferring money to through the transfer.	No
UnitOfMeasureObjectId	Foreign Key	The unit of measure used for the budget line item detail.	No
UnitRate	Double	The cost per unit of measure for the budget line item detail.	No
UnitRateProject	Double	The unit rate cost of a project.	No
UnitRateWorkspace1	Double	The unit rate cost of a workspace.	No

UnitRateWorkspace2	Double	The unit rate cost of a workspace.	No
UnitRateWorkspace3	Double	The unit rate cost of a workspace.	No

ProjectCode

Description: Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the project code type.	No
CodeTypeObjectId	ForeignKey	The unique ID of the project code type.	No
CodeValue	String	The value of the project code.	No
Description	String	The description of the project code.	No
ObjectId	String	The unique ID generated by the system.	No
ParentId	Int	The short code that uniquely identifies the parent Project code.	No
ParentObjectId	ForeignKey	The unique ID of the parent project code.	No
SequenceNumber	Int	The sequence number for sorting.	No
Weight	Int	The weight for this project code.	No

ProjectCodeType

Description: Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
Length	Int	The maximum number of characters allowed for values of this project code.	No
MaxCodeValueWeight	Int	The maximum weight of the code values for this project code type.	No
Name	String	The name of the project code type.	No
ObjectId	String	The unique ID generated by the system.	No
Weight	Int	The weight for this project code type.	No

ProjectFinance

Description: EnterpriseTrack Project Finance.

Field	Type	Description	Read-Only
FinanceDataType	Enum	Finance Data Type (current / snapshot / structure)	No
FinanceEditMode	Enum	Finance Edit Mode (M / Y / A) This is to be used only when editing.	No
FinanceSearchMode	Enum	Finance Search Mode (M / Y / A). This is to be used only when searching.	No
FinanceTemplateId	String	The name of the project's finance template.	No
FinanceTemplateVersionId	String	The version of the project's finance template.	No
FromMonth	String	From (Start) Month when Searching or Updating. Applicable only if fin_search_mode or fin_edit_mode = M. (YYYY/MM Format) The element level period must be within range of from_month and to_month	No
FromYear	String	From (Start) Year when Searching or Updating. Applicable only if fin_search_mode or fin_edit_mode = Y. (YYYY Format) The element level period must be within range of from_year and to_year	No
ObjectId	String	The unique ID generated by the system.	No
OperationType	Enum	Operation Type. Specifies the operation being performed.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ToMonth	String	To (End) Month when Searching or Updating. Applicable only if fin_search_mode or fin_edit_mode = M. (YYYY/MM Format) The element level period must be within range of from_month and to_month	No
ToYear	String	To (End) Year when Searching or Updating. Applicable only if fin_search_mode or fin_edit_mode = Y. (YYYY Format) The element level period must be within range of	No

Field	Type	Description	Read-Only
		from_year and to_year	

ProjectFinanceElement

Description: EnterpriseTrack Project Finance Element.

Field	Type	Description	Read-Only
DisplayName	String	Display Name of the element.	No
ElementClass	Enum	Classification of element. This indicates the element's class within the project finance structure.	No
ElementType	String	Element Type. This indicates whether the element is currency or some user-specified, non-currency type (such as kilowatts, hours, etc.).	No
Id	String	Element ID	No
MultiplicationFactorType	Enum	Multiplication Factor Type	No
MultiplicationFactorValue	String	Multiplication factor of the element. This indicates its impact (contribution) toward computation of parent element values.	No
NumberOfUnits	String	This represents raw data, if element_type is non currency.	No
ObjectId	String	The unique ID generated by the system.	No
ParentId	String	ID of the parent element. This will be empty if element_id is 'Total'.	No
ProjectFinanceObjectId	ForeignKey	The unique ID of the associated project finance.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
SequenceNumber	String	Sequence of this element within parent. 10, 20, 30, etc.	No
Value	String	This tag represents actual value of element. If element_type is not currency, it is not editable. It is computed internally from number_of_units.	No

ProjectFinanceSnapshot

Description: EnterpriseTrack Project Finance Snapshot.

Field	Type	Description	Read-Only
IsDefaultSnapshot	Boolean	Indicates whether or not this is the default snapshot.	No
IsEditableSnapshot	Boolean	Indicates whether or not snapshot can be edited. Used only during export, as this is a read-only attribute.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectFinanceObjectId	ForeignKey	The unique ID of the associated project finance.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
SnapshotCreatedBy	String	Login ID of user who created snapshot.	No
SnapshotCreatedDate	DateTime	Date on which snapshot was created.	No
SnapshotDescription	String	Snapshot Description	No
SnapshotName	String	Snapshot Name	No
SnapshotUpdatedBy	String	Login ID of user who last updated snapshot.	No
SnapshotUpdatedDate	DateTime	Date on which snapshot was last updated.	No

ProjectInformation

Description: Project attribute information.

Field	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

ProjectResource

Description: Primavera's resource planning feature allows you to do high-level project planning for future project or project that does not require resource assignments at the activity level.

Name	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ResourceName	String	The name of the associated resource.	No
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
WBSObjectId	ForeignKey	The unique ID of the associated WBS.	No

PurchaseOrder

Description: To track money committed to be spent (General Spends type Base Commit).

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No

Field	Type	Description	Read-Only
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

PurchaseOrderDetail

Description: Line Items for Purchase Order.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent purchase order detail.	No
ParentObjectId	ForeignKey	The unique ID of the parent purchase order.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

Relationship

Description: A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.

Field	Type	Description	Read-Only
Lag	Double	The time lag of the relationship. This is the time lag between the predecessor activity's start or finish date and the successor activity's start or finish date, depending on the relationship type.	No
ObjectId	String	The unique ID generated by the system.	No
PredecessorActivityId	String	The unique ID of the predecessor activity.	No
PredecessorActivityObjectId	ForeignKey	The unique ID of the predecessor activity.	No
PredecessorActivityType	Enum	The type of the predecessor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	No
PredecessorProjectId	String	The unique ID of the project that owns the predecessor activity.	No
PredecessorProjectObjectId	ForeignKey	The unique ID of the project that owns the predecessor activity.	No
SuccessorActivityId	String	The unique ID of the successor activity.	No
SuccessorActivityObjectId	ForeignKey	The unique ID of the successor activity.	No
SuccessorActivityType	Enum	The type of the successor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	No
SuccessorProjectId	String	The unique ID of the project that owns the successor activity.	No
SuccessorProjectObjectId	ForeignKey	The unique ID of the project that owns the successor activity.	No
Type	Enum	The type of relationship: 'Finish to Start', 'Finish to Finish', 'Start to Start', or 'Start	No

Field	Type	Description	Read-Only
		to Finish'.	

RequestforSubstitution

Description: A change of identical material or equipment.

Field	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
ShortDesc	String	Short Description	No
Status	String	Status	No
Title	String	Title	No

RequestforSubstitutionDetail

Description: Line Items for Request For Substitution.

Field	Type	Description	Read-Only
IssueDate	DateTime	Issue Date	No
LineItemStatus	String	Line Item Status	No
LineNo	Int	Line No.	No
Name	String	Name	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the request for substitution.	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No

Field	Type	Description	Read-Only
TabId	String	Tab Name	No

Resource

Description: Resources include labor, nonlabor, and materials that are used for activities across all projects.

Field	Type	Description	Read-Only
BusinessUnit	String	A Resource Code field to define the Business Unit of the Resource.	No
CalculateCostFromUnits	Boolean	The option that determines whether any new assignments for this resource will have its costs recalculated whenever any quantity changes occur.	No
CalendarCode	String	The unique code of the calendar.	No
CalendarName	String	The name of the calendar that is assigned to the resource.	No
CalendarObjectId	ForeignKey	The unique id of the calendar that is assigned to the resource.	No
CurrencyId	String	Currency short name associated with the Resource.	No
DefaultUnitsPerTime	Double	The Default units/time setting for resource.	No
DepartmentId	String	A Resource UDF to define the Department Id of the Resource.	No
ElementId	String	ElementId associated with the Resource.	No
EmailAddress	String	The resource's email address.	No
EmployeeId	String	The resource identifier within the organization, typically the employee number or social security number.	No
Id	String	The unique identifier of the Resource	No
IsActive	Boolean	The option that determines whether the resource is active. A value of true indicates the resource is active.	No
IsOverTimeAllowed	Boolean	The option that determines whether overtime is allowed to be entered into a timesheet for	No

Field	Type	Description	Read-Only
		the resource.	
LocationCode	String	The code of the location assigned to the Resource.	No
LocationName	String	The name of the location assigned to the resource.	No
LocationObjectId	Int	The unique ID of the location assigned to the resource.	No
MaxUnitsPerTime	Double	the maximum work units per time this role can perform on all their assigned activities.	No
Name	String	The name of the resource.	No
ObjectId	String	The unique Id for the Resource which is generated by the Primavera Data Integration application.	No
OfficePhone	String	The resource's work phone number.	No
OtherPhone	String	Other phone for the resource.	No
OvertimeFactor	String	The overtime factor used to compute the overtime price for the resource.	No
ParentObjectId	ForeignKey	The unique ID of the parent resource of this resource in the hierarchy.	No
PrimaryRoleId	String	The short code that uniquely identifies the primary role for this resource.	No
ResourceNotes	String	The notes about the resource.	No
ResourceStatus	Enum	Determines whether the resource is currently active.	No
ResourceType	Enum	The indicator that determines the resource type. Valid values are LABOR, NON_LABOR, MATERIAL.	No
Title	String	The title of the resource.	No
UnitOfMeasureAbbreviation	String	The unit of measure for a resource.	No
UOMObjectId	ForeignKey	The unique id of the unit of measure that is assigned to the resource.	No

ResourceAssignment

Description: Resource assignments track the work of resources or roles that are performing various activities.

Field	Type	Description	Read-Only
ActivityId	String	The short ID that uniquely identifies the activity within the project.	No
ActivityObjectId	ForeignKey	The unique ID of the activity to which the resource is assigned.	No
ActivityType	Enum	The type of the activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	No
ActualCost	Double	The actual non-overtime plus overtime cost for the resource assignment on the activity. Computed as actual cost = actual regular cost + actual overtime cost.	No
ActualCostProject	Double	The actual cost for the resource or role assignment on the activity if using project currency.	No
ActualCurve	String	The actual hours for the resource assignment on the activity for a manual curve.	No
ActualDuration	Double	The actual duration for the resource assignment on the activity.	Yes
ActualFinish	DateTime	The date on which the assignment was completed..	No
ActualFinishDate	DateTime	The date the resource actually finished working on the activity.	No
ActualOvertimeUnits	Double	The amount of overtime work incurred on the assignment.	No
ActualRegularUnits	Double	The actual non-overtime units worked by the resource on this activity. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	No
ActualStart	DateTime	If the activity has started, the date work began on the activity..	No
ActualStartDate	DateTime	The date the resource actually started	No

Field	Type	Description	Read-Only
		working on the activity.	
ActualThisPeriodCost	Double	The labor, nonlabor, and material costs incurred during the current financial period.	No
ActualThisPeriodCostProject	Double	The labor, nonlabor, and material costs incurred during the current financial period if using project currency.	No
ActualThisPeriodUnits	Double	The labor, nonlabor, and material units used during the current financial period.	No
ActualUnits	Double	The actual non-overtime plus overtime units worked by the resource on this activity.	No
AssignmentCode	String	The code that identifies this assignment	No
AtCompletionCost	Double	The sum of the actual plus remaining costs for the resource assignment on the activity.	No
AtCompletionCostProject	Double	The sum of the actual costs plus remaining costs for the resource assignment on the activity if using project currency.	No
AtCompletionUnits	Double	The sum of the actual plus remaining units for the resource assignment on the activity.	No
CalculateCostFromUnitsFlag	Boolean	Determines whether to recalculate actual or actual this period units and costs when one of these values is updated.	No
CBSCode	String	The CBS code assigned to the Resource Assignment.	No
CBSId	ForeignKey	The unique ID of the CBS assigned to the Resource Assignment.	No
CBSObjectId	ForeignKey	The unique ID of the CBS assigned to the Resource Assignment.	No
CostAccountId	String	The id of associated cost account.	Yes
CurveName	Enum	The curve name for the resource assignment.	No

Field	Type	Description	Read-Only
DailySpreadActualCost	String	Field Description	Yes
DailySpreadActualOvertimeCost	String	The actual overtime cost for the resource assignment on the activity for daily spread. Computed as daily spread actual overtime cost = daily spread actual overtime units * cost per time * overtime factor.	Yes
DailySpreadActualOvertimeUnits	String	The actual overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadActualRegularCost	String	The actual non-overtime cost for the resource assignment on the activity for daily spread. Computed as daily spread actual regular cost = daily spread actual regular units * cost per time.	Yes
DailySpreadActualRegularUnits	String	The actual non-overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadActualUnits	String	The actual non-overtime plus overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadAtCompletionCost	String	The sum of the actual plus remaining costs for the resource assignment on the activity for daily spread.	Yes
DailySpreadAtCompletionUnits	String	The sum of the actual plus remaining units for the resource assignment on the activity for daily spread.	Yes
DailySpreadPlannedCost	String	The planned cost of work required for the resource assignment on the activity to be completed for daily spread.	Yes

Field	Type	Description	Read-Only
DailySpreadPlannedUnits	String	The planned units of work for the resource assignment on the activity for daily spread. This field is named BudgetedUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadRemainingCost	String	The remaining cost for the resource assignment on the activity for daily spread. Computed as daily spread remaining cost = daily spread remaining units * cost per time.	Yes
DailySpreadRemainingLateCost	String	Field Description	Yes
DailySpreadRemainingLateUnits	String	Field Description	Yes
DailySpreadRemainingUnits	String	Desc	Yes
DailySpreadStaffedRemainingCost	String	The time distribution of the resource's remaining cost for resource assignements that have filled a role.	Yes
DailySpreadStaffedRemainingLateCost	String	Field Description	Yes
DailySpreadStaffedRemainingLateUnits	String	Field Description	Yes
DailySpreadStaffedRemainingUnits	String	The time distribution of the resource's daily spread remaining units for resource assignments that have filled a role.	Yes
DailySpreadUnstaffedRemainingCost	String	The time distribution of the resource's daily spread remaining cost for resource assignments that have not filled a role.	Yes
DailySpreadUnstaffedRemainingLateCost	String	Field Description	Yes
DailySpreadUnstaffedRemainingLateUnits	String	Field Description	Yes
DailySpreadUnstaffedRemainingUnits	String	The time distribution of the resource's daily spread remaining units for	Yes

Field	Type	Description	Read-Only
		resource assignments that have not filled a role.	
EarnedValueCost	Double	The approved budget for work actually completed by the specified project data date.	No
EarnedValueCostProject	Double	The approved budget for work actually completed by the specified project data date if using project currency.	No
FinishDate	DateTime	The finish date for the assignment.	No
Id	String	The unique identifier of the resourceassignment.	Yes
IsActivityFlagged	Boolean	The flag that indicates whether the resource who is assigned to the activity assignment has flagged the activity as important to the resource.	No
IsPrimaryResource	Boolean	The flag that indicates whether this resource is the activity's primary resource.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedCost	Double	The planned cost for the resource assignment on the activity. Computed as planned cost = planned units * price per time.	No
PlannedCostProject	Double	The expected total cost of the item, such as an assignment, expense, or response plan if using project currency.	No
PlannedCurve	String	The planned hours for the resource assignment on the activity for a manual curve.	No
PlannedDuration	Double	The planned working time for the resource assignment on the activity, from the resource's planned start date to the planned finish date.	No
PlannedFinish	DateTime	The date the assignment ios scheduled to be finished.	No
PlannedFinishDate	DateTime	The date the resource is scheduled to finish working on the activity. This date is computed by the project scheduler	No

Field	Type	Description	Read-Only
		but can be updated manually by the project manager.	
PlannedLag	String	The planned time lag between the activity's planned start date and the resource's planned start date on the activity.	No
PlannedStart	DateTime	The planned start date for the assignment on the activity.	No
PlannedStartDate	DateTime	The date the resource is scheduled to begin working on the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
PlannedUnits	String	The planned units of work for the resource assignment on the activity.	No
PlannedUnitsPerTime	Double	The planned units per time at which the resource is to perform work on this activity.	No
PlannedValueCost	Double	The amount of approved capital spent on a scheduled portion of work on a project.	No
PlannedValueCostProject	Double	The amount of approved capital spent on a scheduled portion of work on a project if using project currency.	No
PricePerUnit	Double	The price per time for the resource on this activity. This price is used to compute the resource's cost for the activity.	No
PricePerUnitProject	Double	The price per unit of time for the resource or role if using project currency.	No
PriorActualCost	Double	The total actual costs incurred at the time of the last stored period performance. This represents the costs incurred from the last period closeout date.	No
PriorActualCostProject	Double	The total actual costs incurred at the time of the last stored period performance if using project currency.	No

Field	Type	Description	Read-Only
PriorActualUnits	Double	The total actual units incurred at the time of the last stored period performance. This represents the total units incurred from the last period closeout date.	No
ProjectId	String	The short code that uniquely identifies the project.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RateSource	Enum	The value that indicates which price/unit will be used to calculate costs for the assignment, such as 'Resource', 'Role', and 'Override'.	No
RateType	Enum	The rate type that determines which of the five prices specified for the resource will be used to calculate the cost for the resource assignment.	No
RemainingCost	Double	The remaining cost for the resource assignment on the activity. Computed as remaining cost = remaining units * cost per time.	No
RemainingCostProject	Double	The remaining cost for the resource assignment on the activity if using project currency.	No
RemainingCurve	String	The remaining hours for the resource assignment on the activity for a manual curve.	No
RemainingDuration	Double	The remaining duration of the resource assignment. The remaining duration is the remaining working time for the resource assignment on the activity, from the resource's remaining start date to the remaining finish date.	No
RemainingLag	Double	The time lag between the activity's remaining start date and the resource's remaining start date on the activity.	No
RemainingUnits	Double	The remaining units of work to be performed by this resource on this activity. Before the activity is started, the remaining units are the same as	No

Field	Type	Description	Read-Only
		the planned units. After the activity is completed, the remaining units are zero.	
RemainingUnits	Double	The remaining units of work to be performed by this resource on this activity.	No
RemainingUnitsPerHour	Double	The units per time required for the resource assignment to complete the activity.	No
RemainingUnitsPerTime	Double	The units per time at which the resource will be performing work on the remaining portion of this activity..	No
ResourceCurveName	String	The name of the resource curve that determines how resources and costs are distributed over time for this activity.	Yes
ResourceCurveObjectId	ForeignKey	The unique ID of the resource curve.	No
ResourceId	String	The name that uniquely identifies the resource.	No
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
ResourceType	Enum	The resource type: 'Labor', 'Nonlabor', or 'Material'.	No
RoleId	String	The short code that uniquely identifies the role.	No
RoleObjectId	ForeignKey	The unique ID of the associated role.	No
RolledupWBSObjectId	ForeignKey	Rolled up WBS key after filtering either by levels or tagging	No
StaffedRemainingCost	Double	The remaining cost for resource assignments that have a filled role.	No
StaffedRemainingCostProject	Double	The remaining cost for resource assignments that have a filled role if using project currency.	No
StartDate	DateTime	The start date for the activity assignment..	No
UnstaffedRemainingCost	Double	The remaining cost for resource	No

Field	Type	Description	Read-Only
		assignments that do not have a filled role.	
UnstaffedRemainingCostProject	Double	The remaining cost for resource assignments that do not have a filled role if using project currency.	No
WBSCode	String	WBSCode	No
WBSObjectId	ForeignKey	WBS key	No

ResourceCode

Description: Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the resource code type.	No
CodeTypeObjectId	ForeignKey	The unique ID of the resource code type.	No
CodeValue	String	The value of the resource code.	No
Description	String	The description of the resource code.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent resource code.	No

ResourceCodeType

Description: Resource code types provide a way of classifying resource codes. Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	ReadOnly
Length	Int	The maximum number of characters allowed for values of this resource code.	No
Name	String	The name of the resource code type.	No
ObjectId	String	The unique ID generated by the system.	No

ResourceCurve

Description: Resource curves enable you to specify how you want resource units or costs spread over the duration of an activity.

Field	Type	Description	Read-Only
CurveData	String	The 21-point curve data.	No
IsDefault	Boolean	The flag that identifies the default curve.	No
Name	String	The name of the resource curve.	No
ObjectId	String	The unique ID generated by the system.	No

ResourceRate

Description: Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.

Field	Type	Description	Read-Only
EffectiveDate	DateTime	The effective time period of Resource Rate.	No
MaxUnitsPerTime	Double	The maximum work units per time this resource can perform on all their assigned activities.	No
ObjectId	String	The unique ID generated by the system.	No
PricePerUnit1	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnitProject	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit2	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit2Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit3	Double	The price per unit associated with the resource. The	No

Field	Type	Description	Read-Only
		price per unit is used to calculate costs for resources assigned to activities.	
PricePerUnit3Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit4	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit4Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit5	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
PricePerUnit5Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities.	No
ResourceObjectId	Foreign Key	The unique ID of the associated resource.	No

ResourceRole

Description: A resource role object represents an association between a resource object and a role object.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
PrimaryFlag	Boolean	Determines whether this is the resource's main role. You can only assign one primary role per resource. A resource is not required to have a primary role.	No
Proficiency	Enum	The resource's proficiency at performing this role.	No
ResourceId	String	The short code that uniquely identifies the resource.	No
ResourceName	String	The name of the resource.	No

Field	Type	Description	Read-Only
ResourceObjectId	ForeignKey	The unique ID of the resource.	No
RoleId	String	The short code that uniquely identifies the role.	No
RoleName	String	The name of the role.	No
RoleObjectId	ForeignKey	The unique ID of the role.	No
WorkspaceId	String	The user-specified identifer of a workspace.	No

Risk

Description: The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.

Field	Type	Description	Read-Only
ActivityImpactQuantified	Boolean	Indicates when an activity is linked to a risk.	No
ActualCostImpact	Double	The actual cost impact due to the risk occurring.	No
ActualResponseCost	Double	The actual base currency cost of implementing the response action.	No
ActualResponseCostProject	Double	The actual project currency cost of implementing a response action.	No
ActualScheduleImpact	Double	The actual schedule impact due to the risk occurring.	No
AddressLine1	String	The first line of the address for the location. This might be the building number and street address.	No
AddressLine2	String	The second line of the address for the location. This might be the building number and street address.	No
Cause	String	The description of the cause of the Risk.	No
CityName	String	The name of the city for the	No

Field	Type	Description	Read-Only
		location.	
Contingency	Double	The allowable risk cost should the risk occur.	No
CostOverride	Boolean	Determines whether the cost impact is overridden.	No
CountryCode	String	The country code for the location.	No
Description	String	The description of the Risk.	No
Effect	String	The description of the risks effect on the project.	No
HasPostResponseData	Boolean	Determines whether the risk has post-response values.	No
Id	String	The ID of the Risk. Must be unique within a project.	No
IdentifiedDate	DateTime	The date this risk was identified.	No
ImpactedDate	DateTime	The date the risk impacted the project.	No
Latitude	Double	The geographical coordinate for the latitude of the location.	No
LocationName	String	A name for the location that users will understand and recognize.	No
Longitude	Double	The geographical coordinate for the longitude of the location.	No
Name	String	The name of the Risk. Does not need to be unique.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedResponseCost	Double	The estimated cost associated wit himplementing the response action.	No
PlannedResponseCostProject	Double	The estimated project currency cost of implementing a response action.	No

Field	Type	Description	Read-Only
PostalCode	String	The postal code, post code, or zip code of the location.	No
PostExposureCost	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk using base currency.	No
PostExposureCostProject	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk using project currency.	No
PostQuantifiedCostThreshold	Double	The estimated impact size that the risk will have on the project cost after implementing a response action.	No
PostResponseProjectMeanCostContributions	Double	The cost the risk contributes to the total project post-response average cost.	No
PostResponseProjectMeanDelayContribution	Double	The duration the risk contributes to the total project post-response average delay.	No
PostResponseRiskRemovalPessimisticCostImpact	Double	The variance in the project post-response pessimistic cost caused by removing the risk during a risk analysis.	No
PostScore	Integer	The risk calculation based on the post-response values defined for probability,cost impact, schedule impact, and any additional user-defined impacts for the risk.	No
PostResponseRiskRemovalPessimisticFinishImpact	Double	The variance in the project post-response pessimistic finish caused by removing the risk during a risk analysis.	No
PreExposureCost	Double	The mean pre-response probability of the risk	No

Field	Type	Description	Read-Only
		multiplied by the mean pre-response cost impact of the risk using base currency.	
PreExposureCostProject	Double	The mean pre-response probability of the risk multiplied by the mean pre-response cost impact of the risk using project currency.	No
PreQuantifiedCostThreshold	Double	The estimated impact size that the risk will have on the project cost before implementing a response action.	No
PreResponseProjectMeanCostContributions	Double	The cost the risk contributes to the total project pre-response average cost.	No
PreResponseProjectMeanDelayContribution	Double	The duration the risk contributes to the total project pre-response average delay.	No
PreResponseRiskRemovalPessimisticCostImpact	Double	The variance in the project pre-response pessimistic cost caused by removing the risk during a risk analysis.	No
PreResponseRiskRemovalPessimisticFinishImpact	Double	The variance in the project pre-response pessimistic finish caused by removing the risk during a risk analysis.	No
ProbabilityOverride	Boolean	Determines whether the probability impact is overridden.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
QuantifiedPostResponseProbabilityThreshold	Double	The probability threshold that a risk will occur after implementing a response action.	No

Field	Type	Description	Read-Only
QuantifiedPostResponseScheduleThreshold	Double	The estimated impact size that the risk will have on the project schedule after implementing a response action.	No
QuantifiedProbabilityThreshold	Double	The estimated probability that a risk will not occur before implementing a response action.	No
QuantifiedScheduleThreshold	Double	The estimated impact size that the risk will have on the project schedule before implementing a response action.	No
ResponseTotalCost	Double	The total estimated cost for the risk.	No
ScheduleOverride	Boolean	Determines whether the schedule impact is overridden.	No
Score	Integer	The risk calculation based on the pre-response values defined for probability,cost impact, schedule impact, and any additional user-defined impacts for the risk	No
StateCode	String	The code for the state, region, or province of the location.	No
StateName	String	The name of the state, region, or province of the location.	No
Status	Enum	The current status of the Risk. Valid values are 'Proposed', 'Open', 'Rejected', 'Managed', and 'Impacted'.	No
Type	Enum	The type of the risk. Valid values are 'Threat' and 'Opportunity'.	No
WorkspaceCode	String	The unique identifier of the workspace.	No

RiskAndIssue

Description: A log for documenting, tracking, and estimating impacts of open issues and risks; Log of items that may impact schedule/scope/cost.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

RiskAndIssueDetail

Description: Line Items for Risk And Issue.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
EffectiveDate	DateTime	Effective Date	No
FundCode	String	Fund Code	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the risk and issue.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No

Field	Type	Description	Read-Only
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

RiskImpact

Description: The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
PostRiskThresholdLevelCode	String	The code of the associated post risk threshold level.	No
PostRiskThresholdLevelObjectId	Foreign Key to RiskThresholdLevel	The unique ID of the associated post risk threshold level.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RiskId	String	The short name of the associated risk.	No
RiskName	String	The name of the associated risk.	No
RiskObjectId	ForeignKey	The unique ID of the associated risk.	No
RiskThresholdCode	String	The code of the risk threshold.	No
RiskThresholdLevelCode	String	The short name of the associated risk threshold level.	No
RiskThresholdLevelName	String	The name of the associated risk threshold level.	No
RiskThresholdLevelObjectId	ForeignKey	The unique ID of the associated risk threshold level.	No
RiskThresholdName	String	The name of the associated risk threshold.	No

Field	Type	Description	Read-Only
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	No
WorkspaceCode	String	The unique identifier of the workspace.	No

RiskMatrix

Description: The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.

Name	Type	Description	Read-Only
Code	String	The code of the risk matrix.	No
Description	String	The description of the risk matrix.	No
ImpactThresholdLevel	Int	The number of levels for the impact thresholds assigned to the risk scoring matrix. This impact level with the probability level determines the size of the matrix.	No
IsActive	Boolean	The indication of whether the response plan is currently active for the associated risk. Only one response plan can be active at a given time for a risk.	No
Name	String	The name of the risk matrix.	No
ObjectId	String	The unique ID generated by the system.	No
ProbabilityThresholdLevel	Int	The number of levels for the probability threshold assigned to the risk matrix. This probability level with the impact level determines the size of the matrix.	No
ProjectObjectId	Foreign Key to Project	The unique project ID generated by the system.	No
RiskScoringMethod	Enum	The calculation method used to determine the risk score. Valid values are 'Highest', 'Average of Impacts', 'Average of Individual Scores'.	No

RiskMatrixScore

Description: The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.

Name	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProbabilityThresholdLevel	Int	The level number of the probability threshold. Valid numbers are 1-9.	No
RiskMatrixCode	String	The code of the risk matrix.	No
RiskMatrixName	String	The name of the associated risk matrix.	No
RiskMatrixObjectId	ForeignKey	The unique ID of the associated risk matrix.	No
Severity1	Int	The first severity level of the Risk Matrix Score.	No
Severity1Label	String	The label for the first severity level.	No
Severity2	Int	The second severity level of the Risk Matrix Score.	No
Severity2Label	String	The label for the second severity level.	No
Severity3	Int	The third severity level of the Risk Matrix Score.	No
Severity3Label	String	The label for the third severity level.	No
Severity4	Int	The fourth severity level of the Risk Matrix Score.	No
Severity4Label	String	The label for the fourth severity level.	No
Severity5	Int	The fifth severity level of the Risk Matrix Score.	No
Severity5Label	String	The label for the fifth severity level.	No
Severity6	Int	The sixth severity level of the Risk Matrix Score.	No
Severity6Label	String	The label for the sixth severity level.	No
Severity7	Int	The seventh severity level of the Risk Matrix Score.	No
Severity7Label	String	The label for the seventh severity level.	No
Severity8	Int	The eighth severity level of the Risk Matrix Score.	No
Severity8Label	String	The label for the eighth severity level.	No

Name	Type	Description	Read-Only
Severity9	Int	The ninth severity level of the Risk Matrix Score.	No
Severity9Label	String	The label for the ninth severity level.	No

RiskMatrixThreshold

Description: The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ObjectId	String	The unique project ID generated by the system.	No
RiskMatrixCode	String	The code of the risk matrix.	No
RiskMatrixName	String	The name of the associated risk matrix.	No
RiskMatrixObjectId	ForeignKey	The unique ID of the associated risk matrix.	No
RiskThresholdCode	String	The code of the risk threshold.	No
RiskThresholdName	String	The name of the associated risk threshold.	No
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	No

RiskMatrixTolerance

Description: The risk matrix Tolerance test.

Name	Type	Description	Read-Only
Color	String	The color	No
ObjectId	String	The unique ID generated by the system.	Yes
RiskMatrixName	String	The name of the associated risk	No

Name	Type	Description	Read-Only
		matrix.	
RiskMatrixObjectId	ForeignKey	The unique ID of the associated risk matrix.	No
ToleranceRange	String	ToleranceRange	No

RiskOverrideCost

Description: The risk override object allows for Cost overrides on a risk.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	Yes
PostResponseMaximumCost	Double	The post-response maximum cost.	No
PostResponseMinimumCost	Double	The post-response minimum cost.	No
PostResponseMostLikelyCost	Double	The post-response most likely cost.	No
PostResponseMaximumProjectCost	Double	The post-response maximum cost in project currency.	No
PostResponseMinimumProjectCost	Double	The post-response minimum cost in project currency.	No
PostResponseMostLikelyProjectCost	Double	The post-response most likely cost in project currency.	No
PostResponseDistributionShape	Enum	The post-response shape of the risk curve override. Valid values are Triangle, Uniform, and SinglePoint.	No
PreResponseMaximumCost	Double	The pre-response maximum cost.	No
PreResponseMinimumCost	Double	The pre-response minimum cost.	No
PreResponseMostLikelyCost	Double	The pre-response most likely cost.	No
PreResponseMaximumProjectCost	Double	The pre-response maximum cost in project currency.	No
PreResponseMinimumProjectCost	Double	The pre-response minimum cost in project currency.	No

Field	Type	Description	Read-Only
PreResponseMostLikelyProjectCost	Double	The pre-response most likely cost in project currency.	No
PreResponseDistributionShape	Enum	The pre-response shape of the risk curve override. Valid values are Triangle,Uniform, and SinglePoint.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	Foreign Key	The unique ID of the associated project.	No
RiskId	String	The short name of the associated risk.	No
RiskObjectId	Foreign Key	The unique ID of the associated risk.	No

RiskOverrideOther

Description: The risk override object allows for Probability and Schedule overrides on a risk.

Field	Type	Description	Read-Only
Maximum	Double	The pre/post response most likely value.	No
Minimum	Double	The pre/post response minimum value.	No
MostLikely	Double	The pre/post response most likely value.	No
ObjectId	String	The unique ID generated by the system.	Yes
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ResponseType	Enum	The type of response for the non-cost override. Valid values are "PRE_RESPONSE" or "POST_RESPONSE".	No
RiskId	String	The short name of the associated risk.	No
RiskObjectId	ForeignKey	The unique ID of the associated risk.	No
Shape	Enum	The shape of the pre/post risk curve override. Valid values are Triangle, Uniform, and SinglePoint.	No
Type	Enum	The type of non-cost override. Valid values are	No

Field	Type	Description	Read-Only
		"SCHEDULE" or "PROBABILITY".	

RiskResponseAction

Description: The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.

Field	Type	Description	Read-Only
ActivityId	String	The short name of the associated activity.	No
ActivityName	String	The name of the associated activity.	No
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
ActualCost	Double	The actual cost.	No
FinishDate	DateTime	The finish date of the risk response action. If an activity is assigned, the risk response action uses the activity finish date.	No
Id	String	The short name of the risk response plan.	No
Name	String	The name of the risk response plan.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedCost	Double	The planned cost.	No
PlannedFinishDate	DateTime	The planned finish date.	No
PlannedStartDate	DateTime	The planned start date.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RemainingCost	Double	The remaining cost associated with the risk response action.	No
ResourceId	String	The short name of the associated resource.	No
ResourceName	String	The name of the associated resource.	No
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No

Field	Type	Description	Read-Only
RiskId	String	The short name of the associated risk.	No
RiskResponsePlanId	String	The short name of the associated risk response plan.	No
RiskResponsePlanName	String	The name of the associated risk response plan.	No
RiskResponsePlanObjectId	ForeignKey	The unique ID of the associated risk response plan.	No
Score	Int	The risk score from the numeric PID after the response action has been completed.	Yes
StartDate	DateTime	The start date of the risk response action. If an activity is assigned, the risk response action uses the activity start date.	No
Status	Enum	The status of the risk response action. Valid values are 'Proposed', 'Sanctioned', 'Rejected', 'InProgress', and 'Complete'.	No

RiskResponseActionImpact

Description: The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.

Name	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RiskId	String	The short name of the associated risk.	No
RiskResponseActionId	String	The short name of the associated risk response action.	No
RiskResponseActionName	String	The name of the associated risk response action.	No
RiskResponseActionObjectId	ForeignKey	The unique ID of the associated risk response action.	No
RiskThresholdCode	String	The code of the risk threshold.	No

Name	Type	Description	Read-Only
RiskThresholdLevelCode	String	The short name of the associated risk threshold level.	No
RiskThresholdLevelName	String	The name of the associated risk threshold level.	No
RiskThresholdLevelObjectId	ForeignKey	The unique ID of the associated risk threshold level.	No
RiskThresholdName	String	The name of the associated risk threshold.	No
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	No

RiskResponsePlan

Description: The risk response plan object communicates how the project team plans to address the identified risk.

Field	Type	Description	Read-Only
Id	String	The short name of the risk response plan.	No
IsActive	Boolean	The indication of whether the response plan is currently active for the associated risk. Only one response plan can be active at a given time for a risk.	No
Name	String	The name of the risk response plan.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	No
ProjectObjectId	Foreign Key	The unique ID of the associated project.	No
ResponseType	Enum	The risk response plan type. If the risk is a threat, the valid types are 'Avoid', 'Transfer', 'Reduce', and 'Accept'. If the risk is a opportunity, the valid types are 'Exploit', 'Facilitate', 'Enhance', and 'Reject'.	No
RiskId	String	The short name of the associated risk.	No
RiskName	String	The name of the associated risk.	No
RiskObjectId	Foreign Key	The unique ID of the associated risk.	No

RiskThreshold

Description: The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.

Name	Type	Description	Read-Only
Code	String	The code of the risk threshold.	No
Name	String	The name of the risk threshold.	No
ProjectObjectId	ForeignKey to Project	The unique ID generated by the system.	No
ThresholdType	Enum	The type of Risk Threshold. Valid types are 'Probability', 'Tolerance', 'Schedule', 'Cost', 'Relative Schedule', 'Relative Cost' and 'User Defined'.	No

RiskThresholdLevel

Description: The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.

Field	Type	Description	Read-Only
Code	String	The 10 character code for the threshold level.	No
Color	String	The Hex representation for the color e.g. 0xFFFFFF.	No
CostRange	Double	The cost range of the threshold level.	No
Level	Int	The valid values are between 0 and 9. Defines a level for the Risk Threshold.	No
Name	String	The 40 character name for the threshold level.	No
ObjectId	String	The unique ID generated by the system.	No
ProbabilityRange	Double	The probability range of the threshold level.	No
Range	String	The user defined range.	No
RiskThresholdCode	String	The code of the risk threshold.	No
RiskThresholdName	String	The name of the associated risk threshold.	No
RiskThresholdOb	ForeignK	The unique ID of the associated risk threshold.	No

Field	Type	Description	Read-Only
jectId	ey		
ScheduleRange	Double	The schedule range of the threshold level.	No
ThresholdType	Enum	The type of Risk Threshold. Valid types are 'Probability', 'Tolerance', 'Schedule', 'Cost', 'Relative Schedule', 'Relative Cost' and 'User Defined'.	No
ToleranceRange	Int	The tolerance range of the threshold level.	No

Role

Description: Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual.

Field	Type	Description	Read-Only
CalculateCostFromUnits	Boolean	The option that indicates whether costs and quantities are linked, and whether quantities should be updated when costs are updated.	No
Description	String	The responsibilities for the role.	No
Id	String	The unique identifier of the Role	No
Name	String	The name of the resource or role.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent role of this role in the hierarchy.	No

RoleLimit

Description: Role limits define the limits of the maximum work units per time for a Role in a time period.

Field	Type	Description	Read-Only
EffectiveDate	DateTime	The effective date for the role maximum units per time.	No
MaxUnitsPerTime	Double	the maximum work units per time this role can perform on all their assigned activities.	No

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
RoleObjectId	ForeignKey	The unique ID of the role.	No

RoleRate

Description: Role rates enable you to select a predefined price per unit for cost calculating when assigning the role to an activity.

Field	Type	Description	Read-Only
EffectiveDate	DateTime	The effective date for the role price and maximum units per time.	No
MaxUnitsPerTime	Double	The maximum work units per time this role can perform on all assigned activities.	No
ObjectId	String	The unique ID generated by the system.	No
PricePerUnit	Double	The non-overtime price per time for the resource.	No
PricePerUnitProject	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities.	No
PricePerUnit2	Double	The non-overtime price per time for the resource.	No
PricePerUnitProject2	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities.	No
PricePerUnit3	Double	The non-overtime price per time for the resource.	No
PricePerUnitProject3	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities.	No
PricePerUnit4	Double	The non-overtime price per time for the resource.	No
PricePerUnitProject4	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities.	No
PricePerUnit5	Double	The non-overtime price per time for the resource.	No

Field	Type	Description	Read-Only
PricePerUnitProject5	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities.	No
RoleObjectId	ForeignKey	The unique ID of the associated role.	No

ShellList

Description: Shell List.

Field	Type	Description	Read-Only
Description	String	The description of the Project.	No
Id	String	The short code of the Project.	No
Name	String	The name of the Project.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedStartDate	DateTime	The expected start date of the Project.	No
ProjectScheduleType	Enum	Schedule type of the Project – Valid values are ‘Duration’ or ‘Resource’ or ‘Cost’.	No
Status	Enum	The status of the project. Valid values are Planned, Active, Inactive, What-If, Requested, On-Hold and View-Only.	No

SOV

Description: Schedule of value for General, Payment, and Summary Payment.

Field	Type	Description	Read-Only
Breakdown	String	Breakdown of SOV.	No
CodeCode	String	Cost code of SOV.	No
CostItem	String	Cost item of SOV.	No
CostLineItemType	String	Cost line item type of SOV.	No
ObjectId	String	The unique ID generated by the system.	No
RefNo	String	Reference number of SOV.	No

Timesheet

Description: Used to capture Employee Timesheets (project / non-project hrs).

Name	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
ObjectId	String	The unique ID generated by the system.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No
WeekPicker	DateTime	Week Of	No

TimesheetDetail

Description: Line Items for Timesheet.

Field	Type	Description	Read-Only
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the timesheet.	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WeekPicker	DateTime	Week Of	No

UDFType

Description: User-defined fields (UDFs) enable users to add custom fields and values to the project database.

Field	Type	Description	Read-Only
DataType	Enum	The data type of the user-defined field: 'Text', 'Start Date', 'Finish Date', 'Cost', 'Double', 'Integer', 'Indicator', or 'Code'.	No
ObjectId	String	The unique ID generated by the system.	No
SubjectArea	Enum	The subject area of the user-defined field.	No
Title	String	The name/title of the user-defined field.	No

UnitOfMeasure

Description: The unit of measure provides definitions of units of measure for material resources.

Field	Type	Description	Read-Only
Abbreviation	String	the abbreviation of the unit of measure.	No
Name	String	The name of the unit of measure.	No
ObjectId	String	The unique ID generated by the system.	No
SequenceNumber	Int	The sequence number for sorting.	No

Vendor

Description: Company vendor directory.

Field	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
ObjectId	String	The unique ID generated by the system.	No
RecordNo	String	Record Number	No
Status	String	Status	No

Field	Type	Description	Read-Only
Title	String	Title	No
WeekPicker	DateTime	Week Of	No

VendorDetail

Description: Line Items for Vendor.

Name	Type	Description	Read-Only
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the vendor	No
RecordNo	String	Parent Record Number	No
ShortDesc	String	Short Description	No
TabId	String	Tab Name	No
WeekPicker	DateTime	Week Of	No

VendorEvaluation

Description: Document vendor performance for consideration for future work (Simple).

Name	Type	Description	Read-Only
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
Status	String	Status	No
Title	String	Title	No

WBS

Description: The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.

Field	Type	Description	Read-Only
AnticipatedFinishDate	DateTime	The anticipated finish date of WBS, project and EPS elements.	No
AnticipatedStartDate	DateTime	The anticipated start date of WBS, project and EPS elements.	No
Code	String	The short name of the WBS.	No
CurrentBudget	Double	The current budget of the WBS.	No
EarnedValueETCComputeType	Enum	Indicates earned value ETC compute type of WBS	No
EarnedValueETCUserValue	Double	The earned value ETC user value for WBS computing earned value.	No
FinishDate	DateTime	The date finish date of the WBS.	No
IsWorkPackage	Boolean	Whether this WBS is a work package.	No
Name	String	The name of the WBS.	No
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent WBS of this WBS in the hierarchy.	No
ProjectId	String	The project Id of the WBS.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
SequenceNumber	Int	The sequence number of the WBS.	No
StartDate	DateTime	The start date of the WBS.	No
Status	String	The status of the WBS.	No
WBSCategoryObjectId	ForeignKey	The unique wbs category objectIdof the WBS.	No

WBSCategory

Description: As their name implies, WBS categories are used to categorize WBS elements. They are defined globally.

Field	Type	Description	Read-Only
Name	String	The name of the WBS category.	No
ObjectId	String	The unique ID generated by the system.	No

WBSExpenseSpread

Description: Expense spread data per WBS per ExpenseCategory.

Field	Type	Description	Read-Only
ActualCost	Double	Actual cost.	No
AtCompletionCost	Double	At completion cost.	No
EndDate	DateTime	Spread end date.	No
ExpenseCategoryName	String	ExpenseCategory name.	No
ExpenseCategoryObjectId	ForeignKey	The unique ID of ExpenseCategory.	No
ObjectId	String	The unique ID generated by the system.	No
PeriodType	String	The type of period for summarized spread data.	No
PlannedCost	Double	Planned cost.	No
RemainingCost	Double	Remaining cost.	No
StartDate	DateTime	Spread start date.	No
WBSCode	String	WBS Code.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

WBSResourceSpread

Description: Spread data per WBS per Resource.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost.	No
ActualOvertimeCost	Double	Actual Overtime Cost.	No
ActualOvertimeUnits	Double	Actual Overtime Units.	No
ActualRegularCost	Double	Actual Regular Cost.	No
ActualRegularUnits	Double	Actual Regular Units.	No
ActualUnits	Double	Actual Units.	No
AtCompletionCost	Double	At Completion Cost.	No
AtCompletionUnits	Double	At Completion Units.	No
EndDate	DateTime	Spread end date.	No
Limit	Double	Limit.	No
ObjectId	String	The unique ID generated by the system.	No
PeriodActualCost	Double	Period Actual Cost.	No
PeriodActualUnits	Double	Period Actual Units.	No
PeriodAtCompletionCost	Double	Period At Completion Cost.	No
PeriodAtCompletionUnits	Double	Period At Completion Units.	No
PeriodType	String	The type of period for summarized spread data.	No
PlannedCost	Double	Planned Cost.	No
PlannedUnits	Double	Planned Units.	No
ProjectId	String	Project short name.	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
RemainingCost	Double	Remaining Cost.	No
RemainingLateCost	Double	Remaining Late Cost.	No
RemainingLateUnits	Double	Remaining Late Units.	No
RemainingUnits	Double	Remaining Units.	No
ResourceId	String	Resource short name.	No
ResourceObjectId	ForeignKey	The unique ID of Resource.	No
RoleId	String	Role short name.	No
RoleObjectId	ForeignKey	The unique ID of Role.	No

Field	Type	Description	Read-Only
StaffedActualCost	Double	Staffed Actual Cost.	No
StaffedActualOvertimeCost	Double	Staffed Actual Overtime Cost.	No
StaffedActualOvertimeUnits	Double	Staffed Actual Overtime Units.	No
StaffedActualRegularCost	Double	Staffed Actual Regular Cost.	No
StaffedActualRegularUnits	Double	Staffed Actual Regular Units.	No
StaffedActualUnits	Double	Staffed Actual Units.	No
StaffedAtCompletionCost	Double	Staffed At Completion Cost.	No
StaffedAtCompletionUnits	Double	Staffed At Completion Units.	No
StaffedPlannedCost	Double	Staffed Planned Cost.	No
StaffedPlannedUnits	Double	Staffed Planned Units.	No
StaffedRemainingCost	Double	Staffed Remaining Cost.	No
StaffedRemainingLateCost	Double	Staffed Remaining Late Cost.	No
StaffedRemainingLateUnits	Double	Staffed Remaining Late Units.	No
StaffedRemainingUnits	Double	Staffed Remaining Units.	No
StartDate	DateTime	Spread start date.	No
WBSCode	String	WBS short name.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

WBSSpread

Description: Summarized spread data per WBS.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost.	No
ActualExpenseCost	Double	Actual Expense Cost.	No
ActualLaborCost	Double	Actual Labor Cost.	No

Field	Type	Description	Read-Only
ActualLaborUnits	Double	Actual Labor Units.	No
ActualMaterialCost	Double	Actual Material Cost.	No
ActualNonlaborCost	Double	Actual Nonlabor Cost.	No
ActualNonlaborUnits	Double	Actual Nonlabor Units.	No
ActualTotalCost	Double	Actual Total Cost.	No
AtCompletionExpenseCost	Double	At Completion Expense Cost.	No
AtCompletionLaborCost	Double	At Completion Labor Cost.	No
AtCompletionLaborUnits	Double	At Completion Labor Units.	No
AtCompletionMaterialCost	Double	At Completion Material Cost.	No
AtCompletionNonlaborCost	Double	At Completion Nonlabor Cost.	No
AtCompletionNonlaborUnits	Double	At Completion Nonlabor Units.	No
AtCompletionTotalCost	Double	At Completion Total Cost.	No
BaselinePlannedExpenseCost	Double	Baseline Planned Expense Cost.	No
BaselinePlannedLaborCost	Double	Baseline Planned Labor Cost.	No
BaselinePlannedLaborUnits	Double	Baseline Planned Labor Units.	No
BaselinePlannedMaterialCost	Double	Baseline Planned Material Cost.	No
BaselinePlannedNonlaborCost	Double	Baseline Planned Nonlabor Cost.	No
BaselinePlannedNonlaborUnits	Double	Baseline Planned Nonlabor Units.	No
BaselinePlannedTotalCost	Double	Baseline Planned Total Cost.	No
EarnedValueCost	Double	Earned Value Cost.	No
EarnedValueLaborUnits	Double	Earned Value Labor Units.	No
EndDate	DateTime	Spread end date.	No
EstimateAtCompletionCost	Double	Estimate At Completion Cost.	No
EstimateAtCompletionLaborUnits	Double	Estimate At Completion Labor Units.	No
EstimateToCompleteCost	Double	Estimate To Complete Cost.	No
EstimateToCompleteLabor	Double	Estimate To Complete Labor	No

Field	Type	Description	Read-Only
Units		Units.	
ObjectId	String	The unique ID generated by the system.	No
PeriodActualCost	Double	Period Actual Cost.	No
PeriodActualExpenseCost	Double	Period Actual Expense Cost.	No
PeriodActualLaborCost	Double	Period Actual Labor Cost.	No
PeriodActualLaborUnits	Double	Period Actual Labor Units.	No
PeriodActualMaterialCost	Double	Period Actual Material Cost.	No
PeriodActualNonLaborCost	Double	Period Actual NonLabor Cost.	No
PeriodActualNonLaborUnits	Double	Period Actual NonLabor Units.	No
PeriodAtCompletionExpenseCost	Double	Period At Completion Expense Cost.	No
PeriodAtCompletionLaborCost	Double	Period At Completion Labor Cost.	No
PeriodAtCompletionLaborUnits	Double	Period At Completion Labor Units.	No
PeriodAtCompletionMaterialCost	Double	Period At Completion Material Cost.	No
PeriodAtCompletionNonLaborCost	Double	Period At Completion NonLabor Cost.	No
PeriodAtCompletionNonLaborUnits	Double	Period At Completion NonLabor Units.	No
PeriodAtCompletionTotalCost	Double	Period At Completion Total Cost.	No
PeriodEarnedValueCost	Double	Period Earned Value Cost.	No
PeriodEarnedValueLaborUnits	Double	Period Earned Value Labor Units.	No
PeriodEstimateAtCompletionCost	Double	Period Estimate At Completion Cost.	No
PeriodEstimateAtCompletionLaborUnits	Double	Period Estimate At Completion Labor Units.	No
PeriodPlannedValueCost	Double	Period Planned Value Cost.	No
PeriodPlannedValueLaborUnits	Double	Period Planned Value Labor Units.	No

Field	Type	Description	Read-Only
PeriodType	String	The type of period for summarized spread data.	No
PlannedExpenseCost	Double	Planned Expense Cost.	No
PlannedLaborCost	Double	Planned Labor Cost.	No
PlannedLaborUnits	Double	Planned Labor Units.	No
PlannedMaterialCost	Double	Planned Material Cost.	No
PlannedNonlaborCost	Double	Planned Nonlabor Cost.	No
PlannedNonlaborUnits	Double	Planned Nonlabor Units.	No
PlannedTotalCost	Double	Planned Total Cost.	No
PlannedValueCost	Double	Planned Value Cost.	No
PlannedValueLaborUnits	Double	Planned Value Labor Units.	No
ProjectId	String	Project short name.	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
RemainingExpenseCost	Double	Remaining Expense Cost.	No
RemainingLaborCost	Double	Remaining Labor Cost.	No
RemainingLaborUnits	Double	Remaining Labor Units.	No
RemainingLateExpenseCost	Double	Remaining Late Expense Cost.	No
RemainingLateLaborCost	Double	Remaining Late Labor Cost.	No
RemainingLateLaborUnits	Double	Remaining Late Labor Units.	No
RemainingLateMaterialCost	Double	Remaining Late Material Cost.	No
RemainingLateNonlaborCost	Double	Remaining Late Nonlabor Cost.	No
RemainingLateNonlaborUnits	Double	Remaining Late Nonlabor Units.	No
RemainingLateTotalCost	Double	Remaining Late Total Cost.	No
RemainingMaterialCost	Double	Remaining Material Cost.	No
RemainingNonlaborCost	Double	Remaining Nonlabor Cost.	No
RemainingNonlaborUnits	Double	Remaining Nonlabor Units.	No
RemainingTotalCost	Double	Remaining Total Cost.	No
StartDate	DateTime	Spread start date.	No

Field	Type	Description	Read-Only
WBSCode	String	WBS Code.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

WorkManagerTask

Description: Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.

Field	Type	Description	Read-Only
ActivityCompleteStatus	String	The activity complete status.	No
ActivityDateStatus	String	The activity date status.	No
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
CompanyName	String	The project company Name of the task.	No
CompletedDate	DateTime	The completed date of the task.	No
DurationHours	String	The duration hours of the task.	No
Favorite	Boolean	The Boolean value indicating if the task is flagged.	No
IntegrationType	String	Indicates the task will be integrated through Gateway.	No
ItemCode	String	The task code.	No
ObjectId	String	The unique ID generated by the system.	No
Overdue	Boolean	The Boolean value indicating if the task is overdue.	No
ProjectCompanyId	String	The project company id of the task.	No
ProposedDueDate	DateTime	The proposed due date for the lean task.	No
StartDate	DateTime	The start date of the task.	No
Status	String	The status of the task.	No
TasksName	String	The task name.	No
TaskType	String	The field is used to identify whether the	No

Field	Type	Description	Read-Only
		task is just a Task or Task milestone.	
TentativeDate	DateTime	The tentative date of the task.	No
UseCalendar	Boolean	The Boolean value indicating if the calendar should be used.	No

WorkRelease

Description: Process that is connected to Blanket Purchase Order Business Process that is deployed at company level. This process can be used to write against the blanket purchase order .

Field	Type	Description	Read-Only
Amount	Double	Amount	No
CreateDate	DateTime	Creation Date	No
CreateUserId	String	Creator	No
CurrencyId	Int	Transaction Currency	No
CurrencyRate	Double	Rate in Project Currency	No
Description	String	Description	No
DMPublishPath	String	Publish Path	No
DueDate	DateTime	Due Date	No
EffectiveDate	DateTime	Effective Date	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	ForeignKey	The unique ID of the project.	No
RecordNo	String	Record Number	No
RefBPO	Int	Reference BPO	No
RefId	String	Contract/PO	No
Status	String	Status	No
Title	String	Title	No

WorkReleaseDetail

Description: Line Items for Work Release.

Field	Type	Description	Read-Only
Amount	Double	Amount	No
BitemId	String	Cost Code	No
Description	String	Description	No
LineNo	Int	Line No.	No
ObjectId	String	The unique ID generated by the system.	No
ParentDetailId	ForeignKey	The unique ID of the parent Work release detail.	No
ParentObjectId	ForeignKey	The unique ID of the Work release.	No
PricePerUnit	Double	Item Unit Cost	No
Quantity	Double	Item Quantity	No
RecordNo	String	Parent Record Number	No
RefBPOLineitem	String	Reference BPO LineItem	No
ShortDesc	String	Short Description	No
SOVLineNo	String	Reference	No
TabId	String	Tab Name	No
WPId	String	Work Package	No

P6 Business Objects

For the P6 provider, the following business objects are available in the data dictionary. Select a specific business object to review a detailed list of fields supported for that business object.

Business Object	Description
Activity	An activity is a unit of work performed during the course of a project.
ActivityCode	Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.
ActivityCodeType	Activity codes types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.
ActivityExpense	Activity expenses are non-resource costs associated with a project and assigned to a project's activities. They are typically one-time expenditures for non-reusable items.
ActivityRisk	The activity risk object stores the relationship between a single Activity and a single Risk.
ActivityStep	Steps make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.
BaselineType	BaselineType fields.
Calendar	Calendars define the available work hours in each calendar day, and include global, resource, and project types.
CBS	CBS business object.
CBSDurationSummary	CBSDurationSummary business object.
CBSExpenseSpread	Summarized spread data per CBS per expense category
CBSResourceSpread	Summarized spread data per CBS per resource assignment
CostAccount	Cost accounts contain the organization's cost account IDs. Available across all projects, they support tracking of costs and earned value based on the organization's cost account IDs. Cost accounts are hierarchical objects.
Currency	Currencies are the monetary units used to store costs for all projects in the database. Monetary units are stored in the database with a base currency but can be viewed in

Business Object	Description
	other currencies using the exchange for each currency.
EPS	Enterprise Project Structure.
ExpenseCategory	Expense categories are used to categorize project expenses. They are used for standardizing expenses and for rolling up expenses across projects.
FinancialPeriod	Financial periods are used to provide accurate display and reporting of actual units and costs. Financial periods may not overlap each other and do not have to be contiguous.
LeanTask	Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its components parts.
Location	The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.
NotebookTopic	Notebook topics are used to categorize notes on EPS, project, WBS,and activity objects.
Project	A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities.
ProjectCode	Project codes are user-defined codes to classify and categorize projects across the enterprise.
ProjectCodeType	Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.
ProjectResource	Primavera's resource planning feature allows you to do high-level project planning for future project or project that does not require resource assignments at the activity level.
Relationship	A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.
Resource	Resources include labor, nonlabor, and materials that are used for activities across all projects.
ResourceAssignment	Resource assignments track the work of resources or roles that are performing various activities.
ResourceCode	Resources codes are user-defined codes to classify and categorize resources across the enterprise.

Business Object	Description
ResourceCodeType	Resource code types provide a way of classifying resource codes. Resources codes are user-defined codes to classify and categorize resources across the enterprise.
ResourceRate	Resource rates specify multiple resource prices and maximum units per time values that vary over time.
Risk	The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.
RiskImpact	The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.
RiskMatrix	The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.
RiskMatrixScore	The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.
RiskMatrixThreshold	The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.
RiskResponseAction	The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.
RiskResponseActionImpact	The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.
RiskResponsePlan	The risk response plan object communicates how the project team plans to address the identified risk.
RiskThreshold	The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.
RiskThresholdLevel	The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.
Role	Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual.

Business Object	Description
RoleRate	Role rates enable you to select a predefined price per unit for cost calculating when assigning the role to an activity.
UDFType	User-defined fields (UDFs) enable users to add custom fields and values to the project database.
WBS	The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.
WBSCategory	WBS categories group WBS elements based on a shared attribute. They are defined globally.
WBSExpenseSpread	Expense spread data per WBS per ExpenseCategory.
WBSResourceSpread	Spread data per WBS per Resource
WBSSpread	Summarized spread data per WBS.

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Activity

Description: An activity is a unit of work performed during the course of a project.

Field	Type	Description	Read-Only
AccountingVariance	Double	The difference between the planned value of work scheduled and the actual cost of work performed. Computed as accounting variance = planned value - actual cost . A negative value indicates that actual costs have exceeded the scheduled costs.	Yes
AccountingVarianceLaborUnits	Double	The difference between the planned value of work scheduled and the actual work performed. Computed as accounting variance labor units = planned value labor units - actual units.	Yes
ActualDuration	Double	The activity actual duration percent of planned. Computed as actual duration / BL duration * 100. The value can exceed 100. The BL duration is the activity's at completion duration from the project baseline.	No
ActualExpenseCost	Double	The actual costs for all project expenses associated with the activity.	Yes
ActualFinishDate	DateTime	The date on which the activity is actually finished.	No
ActualLaborCost	Double	The actual costs for all labor resources assigned to the activity. If no resources are assigned, computed as the activity actual labor units *	No

Field	Type	Description	Read-Only
		project default price / time.	
ActualLaborUnits	Double	The actual units for all labor resources assigned to the activity.	No
ActualMaterialCost	Double	The sum of all regular and overtime costs for material resources.	Yes
ActualNonLaborCost	Double	The actual costs for all nonlabor resources assigned to the activity. If no resources are assigned, computed as the activity actual nonlabor units * project default price / time.	No
ActualNonLaborUnits	Double	The actual units for all nonlabor resources assigned to the activity.	No
ActualStartDate	DateTime	The date on which the activity is actually started.	No
ActualThisPeriodLaborCost	Double	The actual this period labor cost for all labor resources assigned to the activity.	No
ActualThisPeriodLaborUnits	Double	The actual this period labor units (hours) for all labor resources assigned to the activity.	No
ActualThisPeriodMaterialCost	Double	The sum of all material resource costs for the current period.	No
ActualThisPeriodNonLaborCost	Double	The actual this period nonlabor cost for all nonlabor resources assigned to the activity. If no resources are assigned, computed as the activity actual nonlabor units * project default price / time.	No
ActualThisPeriodNonLaborUnits	Double	The actual this period nonlabor units (hours) for all nonlabor resources assigned to the activity.	No
ActualTotalCost	Double	The actual total cost for the activity, including labor resources, nonlabor resources, and project expenses. Actual	Yes

Field	Type	Description	Read-Only
		total cost = actual labor costs + actual nonlabor costs + actual expense costs.	
ActualTotalUnits	Double	the sum of Actual Labor Units and Actual Nonlabor Units.	Yes
AtCompletionDuration	Double	The total working time from the activity's current start date to the current finish date.	No
AtCompletionExpenseCost	Double	The sum of the actual plus remaining costs for all expenses associated with the activity. Computed as actual expense cost + remaining expense cost.	Yes
AtCompletionLaborCost	Double	The sum of the actual plus remaining costs for all labor resources assigned to the activity. Computed as actual labor cost + remaining labor cost.	No
AtCompletionLaborUnits	Double	The sum of the actual plus remaining units for all labor resources assigned to the activity. Computed as actual labor units + remaining labor units.	No
AtCompletionLaborUnitsVariance	Double	The project baseline planned total labor units minus the estimate at completion labor units.	Yes
AtCompletionMaterialCost	Double	The sum of all actual and remaining costs for material resources.	Yes
AtCompletionNonLaborCost	Double	The sum of the actual plus remaining costs for all nonlabor resources assigned to the activity. Computed as actual nonlabor cost + remaining nonlabor cost.	No
AtCompletionNonLaborUnits	Double	The sum of the actual plus remaining units for all nonlabor resources assigned to the activity. Computed as actual	No

Field	Type	Description	Read-Only
		nonlabor units + remaining nonlabor units.	
AtCompletionTotalCost	Double	The total cost at completion for the activity, including labor resources, nonlabor resources, and project expenses. At completion total cost = at completion labor cost + at completion nonlabor cost + at completion expense cost.	Yes
AtCompletionTotalUnits	Double	The sum of the actual plus remaining units for the resource assignment on the activity.	Yes
AtCompletionVariance	Double	The difference between the project baseline total cost and the current estimate of total cost. Computed as VAC = BAC - EAC. A negative value indicates an estimated cost overrun. BAC is computed from the current project baseline.	Yes
AutoComputeActuals	Boolean	The option that determines whether the activity's actual and remaining units, start date, finish date, and percent complete are computed automatically using the planned dates, planned units and the schedule percent complete.	No
Baseline1Duration	Double	The duration for the activity in the primary baseline.	Yes
Baseline1FinishDate	DateTime	The current finish date of the activity in the primary baseline.	Yes
Baseline1PlannedDuration	Double	The planned duration for the activity in the primary baseline. Planned duration is the total working time from the activity current start date to the current finish date.	Yes
Baseline1PlannedExpenseCost	Double	The planned costs for all project expenses associated with the activity. This field is named Baseline 1 Budgeted Expense	Yes

Field	Type	Description	Read-Only
		Cost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	
Baseline1PlannedLaborCost	Double	The cost at completion for all labor resources assigned to the activity in the primary baseline. Computed from the primary baseline at completion labor units.	Yes
Baseline1PlannedLaborUnits	Double	The planned units for all labor resources assigned to the activity. This field is named Baseline 1 Budgeted Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
Baseline1PlannedMaterialCost	Double	The Planned Material Cost for a primary baseline activity.	Yes
Baseline1PlannedNonLaborCost	Double	The planned costs for all nonlabor resources assigned to the activity. If no resources are assigned, computed as the activity planned nonlabor units * project default price / time.	Yes
Baseline1PlannedNonLaborUnits	Double	The planned units for all nonlabor resources assigned to the activity. This field is named Baseline 1 Budgeted Non Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
Baseline1PlannedTotalCost	Double	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	Yes
Baseline1StartDate	DateTime	The current start date of the activity in the primary baseline. Set to the planned start date until	Yes

Field	Type	Description	Read-Only
		the activity is started, then set to the actual start date.	
BaselineDuration	Double	The duration for the activity in the project baseline.	Yes
BaselineFinishDate	DateTime	The current finish date of the activity in the project baseline.	Yes
BaselinePlannedDuration	Double	The planned duration for the activity in the project baseline.	Yes
BaselinePlannedExpenseCost	Double	The planned costs for all project expenses associated with the activity.	Yes
BaselinePlannedLaborCost	Double	The cost at completion for all labor resources assigned to the activity in the project baseline.	Yes
BaselinePlannedLaborUnits	Double	The planned units for all labor resources assigned to the activity.	Yes
BaselinePlannedMaterialCost	Double	The Planned Material Cost for a project baseline activity.	Yes
BaselinePlannedNonLaborCost	Double	The planned costs for all nonlabor resources assigned to the activity.	Yes
BaselinePlannedNonLaborUnits	Double	The planned units for all nonlabor resources assigned to the activity.	Yes
BaselinePlannedTotalCost	Double	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses.	Yes
BaselineStartDate	DateTime	The current start date of the activity in the project baseline.	Yes
BudgetAtCompletion	Double	The planned total cost through activity completion.	Yes
CalendarName	String	The name of the calendar.	Yes
CalendarObjectId	ForeignKey	The unique ID of the calendar assigned to the activity. Activity calendars can be assigned from the global calendar pool or the project calendar pool.	No

Field	Type	Description	Read-Only
CBSCode	String	Hierarchical CBS code structure Eg: a~~b	No
CBSId	ForeignKey	The unique ID of the CBS assigned to the Activity.	No
CostPercentComplete	Double	The percent complete of costs for all labor resources, nonlabor resources, and expenses for the activity.	Yes
CostPercentOfPlanned	Double	The percent complete of planned costs for all labor resources, nonlabor resources, and expenses for the activity.	Yes
CostPerformanceIndex	Double	The earned value divided by the actual cost. A value less than 1 indicates that actual cost have exceeded the planned value.	Yes
CostPerformanceIndexLaborUnits	Double	The ratio of the earned value labor units and the actual work performed. Computed as CPI labor units = earned value labor units / actual labor units.	Yes
CostVariance	Double	The difference between the earned value and the actual cost of work performed. Computed as CV = earned value - actual costs.	Yes
CostVarianceIndex	Double	The ratio of the cost variance and the earned value of work performed. Computed as CVI = cost variance / earned value.	Yes
CostVarianceIndexLaborUnits	Double	The ratio of the cost variance labor units and the earned value of work performed. Computed as CVI labor units = CV labor units / earned value labor units.	Yes
CostVarianceLaborUnits	Double	The difference between the earned value of labor units and the actual cost of labor units. Calculated as CV labor units = earned value planned units - actual units.	Yes

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this activity was created.	Yes
CreateUser	String	The name of the user that created this activity.	Yes
DailySpreadActualCost	String	The actual cost for the project expense for daily spread.	No
DailySpreadActualExpenseCost	String	The actual costs for all project expenses associated with the activity for daily spread.	No
DailySpreadActualLaborCost	String	The actual costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	No
DailySpreadActualLaborUnits	String	The actual units for all labor resources assigned to the activity for daily spread.	Yes
DailySpreadActualMaterialCost	String	The sum of all regular and overtime costs for material resources for daily spread.	Yes
DailySpreadActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for daily spread.	Yes
DailySpreadActualTotalCost	String	Desc	Yes
DailySpreadAtCompletionExpenseCost	String	The sum of the actual plus remaining costs for all expenses associated with the activity for daily spread. Computed as daily spread actual expense cost + daily spread remaining expense cost.	Yes
DailySpreadAtCompletionLa	String	The sum of the actual plus	Yes

Field	Type	Description	Read-Only
borCost		remaining costs for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor cost + daily spread remaining labor cost.	
DailySpreadAtCompletionLaborUnits	String	The sum of the actual plus remaining units for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor units + daily spread remaining labor units.	Yes
DailySpreadAtCompletionMaterialCost	String	The sum of all daily spread actual and daily spread remaining costs for material resources.	Yes
DailySpreadAtCompletionNonLaborCost	String	The sum of the actual plus remaining costs for all nonlabor resources assigned to the activityfor daily spread. Computed as daily spread actual nonlabor cost + daily spreadremaining nonlabor cost.	Yes
DailySpreadAtCompletionNonLaborUnits	String	The sum of the actual plus remaining units for all nonlabor resources assigned to the activity for daily spread. Computed as daily spread actual nonlabor units + daily spread remaining nonlabor units.	Yes
DailySpreadAtCompletionTotalCost	String	Desc	Yes
DailySpreadBaseline1ActualExpenseCost	String	The actual costs for all project expenses associated with the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual labor	Yes

Field	Type	Description	Read-Only
		units * project default price / time.	
DailySpreadBaseline1ActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaseline1ActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualTotalCost	String	desc	Yes
DailySpreadBaseline1PlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for daily spread. This field is named Baseline 1 Budgeted Expense Cost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the primary baseline for daily spread. Computed from the primary baseline at completion labor units.	Yes
DailySpreadBaseline1PlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Labor Units in	Yes

Field	Type	Description	Read-Only
		Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	
DailySpreadBaseline1PlannedMaterialCost	String	The Planned Material Cost for a primary baseline activity for daily spread.	Yes
DailySpreadBaseline1PlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity planned nonlabor units * project default price / time.	Yes
DailySpreadBaseline1PlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Non Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedTotalCost	String	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses for Baseline 1 daily spread. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	Yes
DailySpreadBaselineActualExpenseCost	String	The actual costs for all project expenses associated with the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	Yes
DailySpreadBaselineActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline daily spread.	Yes

Field	Type	Description	Read-Only
DailySpreadBaselineActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline daily spread.	Yes
DailySpreadBaselineActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaselineActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualTotalCost	String	Desc	Yes
DailySpreadBaselinePlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for Baseline daily spread.	Yes
DailySpreadBaselinePlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the project baseline for daily spread.	Yes
DailySpreadBaselinePlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedMaterialCost	String	The planned material cost for a project baseline activity for daily spread.	Yes
DailySpreadBaselinePlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for baseline daily spread	Yes
DailySpreadBaselinePlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedTotalCost	String	The planned total cost for activity, including labor resources, nonlabor resources, and project expenses for	Yes

Field	Type	Description	Read-Only
		baseline daily spreads.	
DailySpreadEarnedValueCost	String	The portion of the project baseline total cost of the activity that is actually completed as of the project data date for daily spread. Computed as earned value = BAC * performance % complete.	Yes
DailySpreadEarnedValueLaborUnits	String	The portion of the project baseline labor units that is actually completed as of the project data date for daily spread. Computed as labor units earned value - project baseline units * performance % complete.	Yes
DailySpreadEstimateAtCompletionCost	String	The estimated cost at completion of the activity for daily spread. Computed as the daily spread actual total cost plus the estimate-to-complete cost: EAC = ACWP + ETC.	Yes
DailySpreadEstimateAtCompletionLaborUnits	String	The estimated labor units at completion of the activity for daily spread. Calculated as actual labor units + estimate to complete labor units.	Yes
DailySpreadEstimateToCompleteCost	String	desc.	Yes
DailySpreadEstimateToCompleteLaborUnits	String	Desc	Yes
DailySpreadPlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for daily spread. This field is named BudgetedExpenseCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedLaborCost	String	The planned costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily	Yes

Field	Type	Description	Read-Only
		spread planned labor units * project default price / time.	
DailySpreadPlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for daily spread. This field is named BudgetedLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedMaterialCost	String	The sum of all material resource costs for daily spread.	Yes
DailySpreadPlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for daily spread. If no resources assigned, computed as the activity daily spread planned nonlabor units * project default price / time.	Yes
DailySpreadPlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named BudgetedNonLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedTotalCost	String	Desc	Yes
DailySpreadPlannedValueCost	String	Desc	Yes
DailySpreadPlannedValueLaborUnits	String	The portion of the project baseline labor units that is scheduled to be completed as of the project data date for daily spread. Computed as BL labor units * schedule % complete.	Yes
DailySpreadRemainingExpenseCost	String	The remaining costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLaborCost	String	FThe remaining costs for all labor resources assigned to the	Yes

Field	Type	Description	Read-Only
		activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining labor units * project default price / time.	
DailySpreadRemainingLaborUnits	String	The remaining units for all labor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateExpenseCost	String	The remaining late expense costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLateLaborCost	String	The remaining late costs for all labor recources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining late labor units * project default price / time.	Yes
DailySpreadRemainingLateLaborUnits	String	The remaining late units for all labor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateMaterialCost	String	The sum of all late material resource remaining costs for daily spread.	Yes
DailySpreadRemainingLateNonLaborCost	String	The remaining late costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining late nonlabor units * project default price / time.	Yes
DailySpreadRemainingLateNonLaborUnits	String	The remaining late units for all nonlabor resources assigned to the activity for daily spread. The remaining late units reflects the	Yes

Field	Type	Description	Read-Only
		work remaining to be done for the activity.	
DailySpreadRemainingLateTotalCost	String	Desc	Yes
DailySpreadRemainingMaterialCost	String	The sum of all material resource remaining costs for daily spread.	Yes
DailySpreadRemainingNonLaborCost	String	The remaining costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining nonlabor units * project default price / time.	Yes
DailySpreadRemainingNonLaborUnits	String	The remaining units for all nonlabor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingTotalCost	String	Desc	Yes
DataDate	DateTime	The current data date for the project. The project status is up to date as of the data date. The data date is modified when project actuals are applied.	Yes
Duration1Variance	Double	The duration between the activity's primary baseline duration and the at complete duration. Computed as primary baseline duration - at completion duration.	Yes
DurationPercentComplete	Double	The percent complete of the activity duration. Computed as (planned duration - remaining duration) / planned duration * 100. Always in the range 0 to 100.	No
DurationPercentOfPlanned	Double	The activity actual duration percent of planned. Computed as actual duration / BL duration * 100. The value can exceed 100.	Yes

Field	Type	Description	Read-Only
		The BL duration is the activity's at completion duration from the project baseline.	
DurationType	Enum	The duration type of the activity. One of 'Fixed Units/Time', 'Fixed Duration and Units/Time', 'Fixed Units', or 'Fixed Duration and Units'.	No
DurationVariance	Double	The duration between the activity's project baseline duration and the at complete duration. Computed as project baseline duration - at completion duration.	Yes
EarlyFinishDate	DateTime	The earliest possible date the activity can finish. This date is computed by the project scheduler based on network logic, schedule constraints, and resource availability.	Yes
EarlyStartDate	DateTime	The earliest possible date the remaining work for the activity can begin. This date is computed by the project scheduler based on network logic, schedule constraints, and resource availability.	Yes
EarnedValueCost	Double	The portion of the project baseline total cost of the activity that is actually completed as of the project data date. Computed as earned value = BAC * performance % complete.	Yes
EarnedValueLaborUnits	Double	The portion of the project baseline labor units that is actually completed as of the project data date. Computed as labor units earned value = project baseline labor units * performance % complete.	Yes
EstimateAtCompletionCost	Double	The estimated cost at completion for the activity. Computed as the actual total cost plus the	Yes

Field	Type	Description	Read-Only
		estimate-to-complete cost; EAC = ACWP + ETC.	
EstimateAtCompletionLaborUnits	Double	The estimated labor units at completion of the activity. Calculated as actual labor units + estimate to complete labor units.	Yes
EstimateToComplete	Double	The estimated cost to complete the activity. Computed as either the remaining total cost for the activity (remaining total cost), or as PF * (BAC - earned value), depending on the earned-value technique selected for the activity's WBS..	Yes
EstimateToCompleteLaborUnits	Double	The estimated quantity to complete the activity. Computed as either the remaining total units for the activity (remaining total units), or as PF * (BL labor units - earned value), depending on the earned-value technique selected for the activity's WBS.	Yes
ExpectedFinishDate	DateTime	The date the activity is expected to be finished according to the progress made on the activity's work products. The expected finish date is entered manually by people familiar with progress of the activity's work products.	No
ExpenseCost1Variance	Double	The difference between primary baseline expense cost and at completion expense cost.	Yes
ExpenseCostPercentComplete	Double	The percent complete of costs for all expenses associated with the activity. Computed as actual expense cost / at completion expense cost * 100. Always in the range 0 to 100.	Yes
ExpenseCostVariance	Double	The difference between project baseline expense cost and at completion expense cost. Calculated as project baseline	Yes

Field	Type	Description	Read-Only
		expense cost - at completion expense cost (at completion expense cost = actual expense cost + remaining expense cost).	
ExternalEarlyStartDate	DateTime	The date value that determines the early start date for imported activities with external constraints lost (relations from/to external projects that do not exist in the database).	No
ExternalLateFinishDate	DateTime	The date value that determines the Late Finish Date for imported activities with external constraints lost (from/to external projects that do not exist in the database).	No
Feedback	String	The feedback from the resource.	No
FinishDate	DateTime	The current finish date of the activity. Set to the activity planned finish date while the activity is not started, the remaining finish date while the activity is in progress, and the actual finish date once the activity is completed.	No
FinishDate1Variance	Double	The duration between the finish date in the current project and the primary baseline finish date. Calculated as finish date - primary baseline finish date.	Yes
FloatPath	Int	The integer representing the critical path this activity is on. The value 1 is the most critical path, value 2 is the second most critical path, etc.	Yes
FreeFloat	Double	The amount of time the activity can be delayed before delaying the start date of any successor activity.	Yes
GUID	String	The globally unique ID generated by the system.	No
HasFutureBucketData	Boolean	The flag that indicates whether a	Yes

Field	Type	Description	Read-Only
		resource assignment on the activity has future bucket data.	
Id	String	The short ID that uniquely identifies the activity within the project.	No
IsBaseline	Boolean	The boolean value indicating if this business object is related to a Project or Baseline	Yes
IsCritical	Boolean	The flag that indicates whether the activity is critical. An activity is critical when its total Float is below the critical duration specified for the project. Delaying critical activities will delay the finish date of the project.	Yes
IsLongestPath	Boolean	The flag that indicates whether an activity is on the longest path.	Yes
IsNewFeedback	Boolean	The flag that indicates that a resource has sent feedback notes about this activity which have not been reviewed yet.	No
IsStarred	Boolean	The flag that indicates whether this activity is marked as starred activity.	No
IsTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
IsWorkPackage	Boolean	The flag that indicates whether this activity is the child of a work package WBS.	Yes
LaborCost1Variance	Double	The difference between primary baseline labor cost and at completion labor cost. Calculated as BL labor cost - at completion labor cost.	Yes
LaborCostPercentComplete	Double	The percent complete of costs for all labor resources assigned to the activity. Computed as actual labor cost / at completion labor cost * 100. Always in the	Yes

Field	Type	Description	Read-Only
		range 0 to 100.	
LaborCostVariance	Double	The difference between project baseline labor cost and at completion labor cost. Calculated as BL labor cost - at completion labor cost.	Yes
LaborUnits1Variance	Double	The difference between primary baseline labor units and at completion labor units. Calculated as BL labor units - at completion labor units.	Yes
LaborUnitsPercentComplete	Double	The percent complete of units for all labor resources for the activity. Computed as actual labor units / at completion labor units * 100. Always in the range 0 to 100.	Yes
LaborUnitsVariance	Double	The difference between project baseline labor units and at completion labor units. Calculated as BL labor units - at completion labor units.	Yes
LastUpdateDate	DateTime	The date this activity was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this activity.	Yes
LateFinishDate	DateTime	The latest possible date the activity must finish without delaying the project finish date. This date is computed by the project scheduler based on network logic, schedule constraints, and resource availability.	Yes
LateStartDate	DateTime	The latest possible date the remaining work for the activity must begin without delaying the project finish date. This date is computed by the project scheduler based on network logic, schedule constraints, and resource availability.	Yes

Field	Type	Description	Read-Only
LevelingPriority	Enum	The activity priority used to prioritize activities in a project when performing resource leveling. Valid values are 'Top', 'High', 'Normal', 'Low', and 'Lowest'.	No
LocationName	String	The name of the location assigned to the activity.	Yes
LocationObjectId	Int	The unique ID of the location assigned to the activity.	No
MaterialCost1Variance	Double	The primary Baseline Planned Material Cost minus the At Completion Material Cost.	Yes
MaterialCostPercentComplete	Double	The percent complete of costs for all material resources assigned to the activity. Computed as actual nonlabor cost / at completion nonlabor cost * 100. Always in the range 0 to 100.	Yes
MaterialCostVariance	Double	The project BaselinePlannedMaterialCost minus the AtCompletionMaterialCost.	Yes
MaximumDuration	Double	The maximum duration of the activity	No
MinimumDuration	Double	The minimum duration of the activity	No
MostLikelyDuration	Double	The most likely duration of the activity	No
Name	String	The name of the activity. The activity name does not have to be unique.	No
NonLaborCost1Variance	Double	The difference between the primary baseline nonlaborcost and at completion nonlabor cost. Calculated as BL nonlabor cost - at completion nonlabor cost.	Yes
NonLaborCostPercentComplete	Double	The percent complete of costs for all nonlabor resources assigned to the activity.	Yes

Field	Type	Description	Read-Only
		Computed as actual nonlabor cost / at completion nonlabor cost * 100. Always in the range 0 to 100.	
NonLaborCostVariance	Double	The difference between the project baseline labor cost and at completion labor cost. Calculated as BL nonlabor cost - at completion nonlabor cost.	Yes
NonLaborUnits1Variance	Double	The difference between the primary baseline nonlabor units and at completion nonlabor units. Calculated as BL nonlabor units - at completion nonlabor units.	Yes
NonLaborUnitsPercentComplete	Double	The percent complete of units for all nonlabor resources for the activity. Computed as actual nonlabor units / at completion nonlabor units * 100. Always in the range 0 to 100.	No
NonLaborUnitsVariance	Double	The difference between the project baseline labor units and at completion labor units. Calculated as BL nonlabor units - at completion nonlabor units.	Yes
NotesToResources	String	The notes from the project manager to the timesheet resources.	No
ObjectId	Int	The unique ID generated by the system.	No
PercentComplete	Double	The activity percent complete. This value is tied to the activity duration % complete, units % complete, or physical % complete, depending on the setting for the activity's percent complete type.	No
PercentCompleteType	Enum	The activity percent complete type: 'Physical','Duration','Units', or 'Scope'.	No
PerformancePercentComple	Double	The activity performance percent	Yes

Field	Type	Description	Read-Only
te		complete. The performance percent complete is used to compute earned value.	
PhysicalPercentComplete	Double	The physical percent complete, which can either be user entered or calculated from the activity's weighted steps.	No
PlannedDuration	Double	The total working time from the activity planned start date to the planned finish date. The planned working time is computed using the activity's calendar.	No
PlannedExpenseCost	Double	The planned costs for all project expenses associated with the activity. This field is named BudgetedExpenseCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
PlannedFinishDate	DateTime	The date the activity is scheduled to finish. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
PlannedLaborCost	Double	The planned costs for all labor resources assigned to the activity. If no resources are assigned, computed as the activity planned labor units * project default price / time.	No
PlannedLaborUnits	Double	The planned units for all labor resources assigned to the activity. This field is named BudgetedLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	No
PlannedMaterialCost	Double	The sum of all material resource costs.	Yes

Field	Type	Description	Read-Only
PlannedNonLaborCost	Double	The planned costs for all nonlabor resources assigned to the activity. If no resources are assigned, computed as the activity planned nonlabor units * project default price / time.	No
PlannedNonLaborUnits	Double	The planned units for all nonlabor resources assigned to the activity. This field is named BudgetedNonLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	No
PlannedStartDate	DateTime	The date the activity is scheduled to begin. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
PlannedTotalCost	Double	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	Yes
PlannedTotalUnits	Double	The sum of Planned Labor Units and Planned Nonlabor Units. This field is named BudgetedTotalUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
PlannedValueCost	Double	The portion of the project baseline total cost of the activity that is scheduled to be completed as of the project data date. Computed as BAC * schedule % complete. Also known as the work scheduled to be performed for the activity.	Yes

Field	Type	Description	Read-Only
PlannedValueLaborUnits	Double	The portion of the project baseline labor units that is scheduled to be completed as of the project data date. Computed as BL labor units * schedule % complete.	Yes
PostRespCriticalityIndex	Double	During the Post-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task was on the critical path during the analysis.	No
PostResponsePessimisticFinish	DateTime	The post-response pessimistic finish date for the activity.	No
PostResponsePessimisticStart	DateTime	The post-response pessimistic start date for the activity.	No
PreRespCriticalityIndex	Double	During the Pre-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task was on the critical path during the analysis.	No
PreResponsePessimisticFinish	DateTime	The pre-response pessimistic finish date for the activity.	No
PreResponsePessimisticStart	DateTime	The pre-response pessimistic start date for the activity.	No
PrimaryConstraintDate	DateTime	The constraint date for the activity, if the activity has a constraint. The activity's constraint type determines whether this is a start date or finish date. Activity constraints are used by the project scheduler.	No
PrimaryConstraintType	Enum	The type of constraint applied to the activity start or finish date. Activity constraints are used by the project scheduler.	No
PrimaryResourceId	String	The name of the resource.	Yes

Field	Type	Description	Read-Only
PrimaryResourceName	String	The name of the resource.	Yes
PrimaryResourceObjectId	ForeignKey	The unique ID of the primary resource for the activity. The primary resource is responsible for the overall work on the activity and updates the activity status using Timesheets.	No
ProjectId	String	The short code of the associated project.	Yes
ProjectName	String	The name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
RemainingDuration	Double	The remaining duration of the activity. The remaining duration is the remaining working time for the activity on the project, from the activity's remaining start date to the remaining finish date.	No
RemainingEarlyFinishDate	DateTime	The remaining late end date, which is calculated by the scheduler.	No
RemainingEarlyStartDate	DateTime	The date the remaining work for the activity is scheduled to begin. This date is computed by the project scheduler but can be updated manually by the project manager.	No
RemainingExpenseCost	Double	The remaining costs for all project expenses associated with the activity.	Yes
RemainingFloat	Double	The amount of time remaining by which the activity can be delayed before delaying the project finish date. Computed as late finish - remaining finish.	Yes
RemainingLaborCost	Double	The remaining costs for all labor resources assigned to the activity. If no resources are assigned, computed as the activity remaining labor units *	No

Field	Type	Description	Read-Only
		project default price / time.	
RemainingLaborUnits	Double	The remaining units for all labor resources assigned to the activity. The remaining units reflects the work remaining to be done for the activity.	No
RemainingLateFinishDate	DateTime	The remaining late finish date calculated by the scheduler.	No
RemainingLateStartDate	DateTime	The remaining late start date calculated by the scheduler.	No
RemainingMaterialCost	Double	The sum of all material resource remaining costs.	Yes
RemainingNonLaborCost	Double	The remaining costs for all nonlabor resources assigned to the activity. If no resources are assigned, computed as the activity remaining nonlabor units * project default price / time.	No
RemainingNonLaborUnits	Double	The remaining units for all nonlabor resources assigned to the activity. The remaining units reflects the work remaining to be done for the activity.	No
RemainingTotalCost	Double	The remaining total cost for the activity, including labor resources, nonlabor resources, and project expenses. Remaining total cost = remaining labor costs + remaining nonlabor costs + remaining expense costs.	Yes
RemainingTotalUnits	Double	The sum of Remaining Labor Units and Remaining Nonlabor Units.	Yes
ResumeDate	DateTime	The date when a suspended task or resource dependent activity should be resumed. The resume date must be later than the suspend date and earlier than the actual finish date.	No
ReviewFinishDate	DateTime	The finish date of the activity as proposed by the primary	Yes

Field	Type	Description	Read-Only
		resource using Timesheets, while the activity is in "For Review" state. If the project manager approves the activity completion, the review finish is copied to the actual finish.	
ReviewStatus	Enum	The activity review status. Valid values are 'OK', 'For Review', and 'Rejected'. Primary resources set the status to 'For Review' when they believe the activity is completed but are not allowed to mark activities as completed.	No
RolledupWBSObjectId	ForeignKey	Rolled up WBS Object Ids after filtering either by levels or tagging	No
SchedulePercentComplete	Double	The activity schedule percent complete, which specifies how much of the activity's project baseline duration has been completed so far.	Yes
SchedulePerformanceIndex	Double	The ratio of the earned value of work performed and the work scheduled to be performed. Computed as SPI = earned value/ planned value. A value less than 1 indicates that less work was actually performed than was scheduled.	Yes
SchedulePerformanceIndexLaborUnits	Double	The ratio of the earned value of labor units and the planned value of labor units. Computed as SPI labor units = earned value labor units / planned value labor units.	Yes
ScheduleVariance	Double	The difference between the earned value of work performed and the work scheduled to be performed. Computed as SV = earned value - planned value. A negative value indicates that less work was actually performed	Yes

Field	Type	Description	Read-Only
		than was scheduled.	
ScheduleVarianceIndex	Double	The ratio of the schedule variance and the work scheduled to be performed. Computed as SVI = SV / planned value.	Yes
ScheduleVarianceIndexLaborUnits	Double	The ratio of the schedule variance and the work scheduled to be performed. Computed as SVI labor units = SV labor units / planned value labor units.	Yes
ScheduleVarianceLaborUnits	Double	The difference between the earned value of work performed and the work scheduled to be performed. Computed as SV labor units = earned value labor units - planned value labor units.	Yes
ScopePercentComplete	Double	The percentage completion of the scope items linked to the activity.	No
SecondaryConstraintDate	DateTime	The date to be used for the cstr_type2 assignment, if the activity has a cstr_type2 value. The activity's constraint type determines whether this is a start date or finish date. Activity constraints are used by the project scheduler.	No
SecondaryConstraintType	Enum	The additional constraint to be used by the scheduler.	No
StartDate	DateTime	The start date of the activity. Set to the remaining start date until the activity is started, then set to the actual start date.	No
StartDate1Variance	Double	The duration between the start date in the current project and the primary baseline start date. Calculated as start date - primary baseline start date.	Yes
StartDateVariance	Double	The duration between the start date in the current project and the project baseline start date. Calculated as start date - project	Yes

Field	Type	Description	Read-Only
		baseline start date.	
Status	Enum	The current status of the activity, either 'Not Started', 'In Progress', or 'Completed'.	No
SuspendDate	DateTime	The start date when the progress of a task or resource dependent activity is delayed from. The suspend date must be later than the actual start date, which the activity must have.	No
TaskStatusCompletion	String	The activity task status completion associated to the activity.	No
TaskStatusDates	String	The activity task dates associated to the activity.	No
TaskStatusIndicator	String	The activity task indicator associated to the activity.	No
ToCompletePerformanceIndex	Double	The TCPI, which is calculated as (budget at completion - earned value) / (estimate at completion - ACWP).	Yes
TotalCost1Variance	Double	The difference between the primary baseline total cost and the at completion total cost. Calculated as BL total cost - at completion total cost.	No
TotalCostVariance	Double	The difference between the project baseline total cost and the at completion total cost. Calculated as BL total cost - at completion total cost.	Yes
TotalFloat	Double	The amount of time the activity can be delayed before delaying the project finish date. Total float can be computed as late start - early start or as late finish - early finish; this option can be set when running the project scheduler.	Yes
Type	Enum	The type of activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort',	No

Field	Type	Description	Read-Only
		'Start Milestone', 'Finish Milestone', or 'WBS Summary'.	
UnitsPercentComplete	Double	The percent complete of units for all labor and nonlabor resources assigned to the activity. Computed as actual units / at completion units * 100. Always in the range 0 to 100.	No
WBSCode	String	The short code assigned to each WBS element for identification. Each WBS element is uniquely identified by concatenating its own code together with its parents' codes.	Yes
WBSName	String	The name of the WBS element.	Yes
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	No
WBSPath	String	The WBS path of the Activity.	Yes
WorkPackageId	String	The unique identifier for the work package that the activity is associated with.	No
WorkPackageName	String	The name of the work package that the activity is associated with.	No

ActivityCode

Description: Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the activity code type.	Yes
CodeTypeObjectId	ForeignKey	The unique ID of the activity code type.	No
CodeTypeScope	Enum	The scope of the parent activity code type.	Yes
CodeValue	String	The value of the activity code.	No
Color	String	The Hex representation for the color.	No

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this activity code was created.	Yes
Description	String	The description of the activity code.	No
LastUpdateDate	DateTime	The date this activity code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this activity code.	Yes
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent activity code.	No
ProjectObjectId	ForeignKey	The unique project ID of the parent code type for this code if code type scope is 'Project' or 'EPS', null for code types with scope 'Global	Yes
SequenceNumber	Int	The sequence number for sorting.	No

ActivityCodeType

Description: Activity code types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities according to the organization's and project's needs.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this activity code type was created.	Yes
CreateUser	String	The name of the user that created this activity code type.	Yes
EPSObjectId	Foreign Key	The unique ID of the EPS.	No
IsBaseline	Boolean	The boolean value indicating if this business object is related to a Project or Baseline.	Yes
IsSecureCode	Boolean	The flag indicating whether this is a secure activity code type.	No
IsTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
LastUpdateDate	DateTime	The date this activity code type was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this	Yes

Field	Type	Description	Read-Only
		activity code type.	
Length	Int	The maximum number of characters allowed for values of this activity code.	No
Name	String	The name of the activity code type.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectObjectId	Foreign Key	The unique ID of the project.	No
Scope	Enum	the scope of activity code type.	No
SequenceNumber	Int	The sequence number for sorting.	No

ActivityExpense

Description: Activity expenses are non-resource costs associated with a project and assigned to a project's activities. They are typically one-time expenditures for non-reusable items.

Field	Type	Description	Read-Only
AccrualType	Enum	The accrual type for the project expense. If the accrual type is 'Start of Activity', the entire expense costs are accrued at the start date of the activity.	No
ActivityId	String	The short ID that uniquely identifies the activity within the project.	Yes
ActivityName	String	The name of the activity. The activity name does not have to be unique.	Yes
ActivityObjectId	ForeignKey	The unique ID of the activity to which the project expense is linked. Every project expense is associated with one activity in the project.	No
ActualCost	Double	The actual cost for the project expense.	No
ActualUnits	Double	The actual units for the project expense.	No
AtCompletionCost	Double	The sum of the actual plus remaining costs for the project expense. Computed as actual cost + remaining cost.	Yes
AtCompletionUnits	Double	The at completion units for the project expense.	Yes
AutoComputeAct	Boolean	The flag that identifies whether the actual	No

Field	Type	Description	Read-Only
uals		and remaining costs for the expense are computed automatically using the planned cost and the activity's schedule percent complete.	
CBSId	ForeignKey	The unique ID of the CBS assigned to the Activity Expense.	No
CostAccountId	String	The ID of associated cost account.	Yes
CostAccountName	String	The name of the associated cost account.	Yes
CostAccountObjectId	ForeignKey	The unique ID of the cost account associated with the project expense.	No
CreateDate	DateTime	The date this expense was created.	Yes
CreateUser	String	The name of the user that created this expense.	Yes
DocumentNumber	String	The document number for the expense. Use this for the purchase order number, invoice number, requisition number, or similar, as needed.	No
ExpenseCategoryName	String	The name of the expense category.	Yes
ExpenseCategoryObjectId	ForeignKey	The unique ID of the expense category for the project expense.	No
ExpenseDescription	String	The description of the expense.	No
ExpenseItem	String	The name of the project expense.	No
ExpensePercentComplete	Double	The percent complete of the project expense.	No
IsBaseline	Boolean	The boolean value indicating if this business object is related to a Project or Baseline.	Yes
IsTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
LastUpdateDate	DateTime	The date this expense was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this expense.	Yes
ObjectId	Int	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
OverBudget	Boolean	The indicator that reflects whether the project expense is over budget. An expense is over budget when the actual cost + remaining cost exceeds the planned cost.	Yes
PlannedCost	Double	The planned cost for the project expense. This field is named BudgetedCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	No
PlannedUnits	Double	The planned number of units for the project expense. This number is multiplied by the price per unit to compute the planned cost.	No
PricePerUnit	Double	The planned price per unit for the project expense. This number is multiplied by the planned number of units to compute the planned cost.	No
ProjectId	String	The short code that uniquely identifies the project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RemainingCost	Double	The remaining cost for the project expense. Before actual expenses are made, remaining cost should be the same as planned cost.	No
RemainingUnits	Double	The remaining units for the project expense.	No
UnitOfMeasure	String	The unit of measure for the project expense.	No
Vendor	String	The name of the vendor providing the product or service associated with the expense.	No
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	Yes

ActivityRisk

Description: The activity risk object stores the relationship between a single Activity and a single Risk.

Field	Type	Description	Read-Only
ActivityId	String	The short name of the associated activity.	Yes

Field	Type	Description	Read-Only
ActivityName	String	The name of the associated activity.	Yes
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RiskId	String	The short name of the associated risk.	Yes
RiskName	String	The name of the associated risk.	Yes
RiskObjectId	ForeignKey	The unique ID of the associated risk.	Yes

ActivityStep

Description: Steps make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.

Field	Type	Description	Read-Only
ActivityId	String	The short ID that uniquely identifies the activity within the project.	Yes
ActivityName	String	The name of the activity associated with the step.	Yes
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	Yes
Description	String	The description of the activity step.	No
IsBaseline	Boolean	The boolean value indicating if the activity step part of a baseline.	Yes
IsCompleted	Boolean	The boolean value indicating if the activity step is completed.	No
IsTemplate	Boolean	The Boolean value indicating if the activity step is part of a project template.	Yes
Name	String	The name of the activity step.	No
ObjectId	Int	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
PercentComplete	Double	The activity step percent complete.	No
ProjectId	String	The short code that uniquely identifies the project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
SequenceNumber	Int	The sequence number for sorting.	No
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	Yes
Weight	String	The weight of the activity step.	No
WeightPercent	String	The weight percent of the activity step.	Yes

BaselineType

Description: BaselineType Fields.

Field	Type	Description	Read-Only
CreateDate	DateTime	The create Date for currency	Yes
CreateUser	String	The name of the user that created this user-defined field.	Yes
LastUpdateDate	DateTime	The Last Update Date for currency	Yes
LastUpdateUser	String	The name of the user that last updated this user-defined field.	Yes
Name	String	The name for BaselineType	No
ObjectId	Int	The unique ID generated by the system.	No
SequenceNumber	Int	Sequence Number for BaselineType	No

Calendar

Description: Calendars defined the available work hours in each calendar day, and includes global, resource, and project types.

Field	Type	Description	Read-Only
BaseCalendarObjectId	ForeignKey	The unique ID of the global calendar to which this calendar is linked. Any changes to the global calendar are automatically propagated to this calendar.	No
CreateDate	DateTime	The date this calendar was created.	Yes
CreateUser	String	The name of the user that created this calendar.	Yes
HolidayOrExceptions	HolidayOrExceptions	All dates with holidays or exceptions in this calendar.	No
HoursPerDay	Double	The hours per day for the time period.	No
HoursPerMonth	Double	The hours per month for the time period.	No
HoursPerWeek	Double	The hours per week for the time period.	No
HoursPerYear	Double	The hours per year for the time period.	No
IsDefault	Boolean	The flag that identifies the default global calendar (applies to global calendars only).	No
IsPersonal	Boolean	The flag indicating if this calendar is a personal calendar (applies to resource calendars only).	No
LastUpdateDate	DateTime	The date this calendar was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this calendar.	Yes
Name	String	The name of the calendar.	No
ObjectId	Int	The unique ID generated by the system.	No
ProjectId	String	The short name of the project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the project.	No
StandardWorkWeek	StandardWorkWeek	Standard detailed work hours for each day of week	No
Type	Enum	The calendar type - either 'Global', 'Resource', or 'Project'.	No

Example of Importing a Global Calendar

The following is an example of modifying a global calendar imported into P6:

The existing imported workweek is:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start and Stop Time		8 to 5	8 to 5	8 to 5	8 to 5	8 to 5	

The subsequent import is:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start and Stop Time			9 to 3	9 to 3	9 to 3		

After import, the workweek is:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start and Stop Time			9 to 3	9 to 3	9 to 3		

The following changes have been made:

- The existing work time for Monday and Friday have been removed.
- In the source calendar, Exception time (Holiday) is April 24, 2013 and workday exception is April 27, 2013 (Saturday).
- The incoming updates made to the calendar are: Holiday is April 26, 2013 and Workday exception is April 28, 2013 (Sunday).

> **Note:** April 24, 2013 and April 26, 2013 are still exceptions as the exception list has been merged in the existing calendar.

CBS

Description: CBS business object.

Field	Type	Description	Read-Only
CBSCode	String	CBS Code associated with the Project	No
CBSDescription	String	CBS Code Description	No

Field	Type	Description	Read-Only
CBSStatus	Enum	CBS Code Status. Valid values are "Active" and "InActive"	No
ObjectId	Int	The unique ID generated by the system	No
ParentObjectId	ForeignKey	The unique id of the parent CBS	No
ProjectObjectId	ForeignKey	The unique id of the associated Project	No

CBSDurationSummary

Description: CBSDurationSummary business object.

Field	Type	Description	Read-Only
BaselineType	String	Baseline type of the associated baseline	No
CBSObjectId	ForeignKey	The unique id of the associated CBS	Yes
DataDate	String	Data date of the associated project	No
ObjectId	String	The unique ID generated by the system	No
OriginalProjectObjectId	Int	The original object id of the associated Project	Yes
ProjectId	String	The short name of the associated Project	Yes
ProjectName	String	The name of the associated Project	Yes
ProjectObjectId	ForeignKey	The unique id of the associated project	Yes
SummaryActualDuration	Double	Smmarized Actual Duration the project	Yes
SummaryActualFinishDate	DateTime	Smmarized Actual Finish Date of the project	Yes
SummaryActualStartDate	DateTime	Smmarized Actual Start Date of the project	Yes
SummaryPercentComplete	Double	Smmarized Percent Complete the project	Yes
SummaryPlannedDuration	Double	Smmarized Planned Duration the project	Yes
SummaryPlannedFinishDate	DateTime	Smmarized Planned Finish Date of the project	Yes

Field	Type	Description	Read-Only
SummaryPlannedStartDate	DateTime	Smmarized Planned Start Date of the project	Yes
SummaryRemainingDuration	Double	Smmarized Remaining Duration the project	Yes
SummaryRemainingFinishDate	DateTime	Smmarized Remaining Finish Date of the project	Yes
SummaryRemainingStartDate	DateTime	Smmarized Remaining Start Date of the project	Yes

CBSExpenseSpread

Description: Summarized spread data per CBS per expense category.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost of the expenses summarized by CBS	No
ActualUnits	Double	Actual Units of the expenses summarized by CBS	No
AtCompletionCost	Double	At Completion Cost of the expenses summarized by CBS	No
AtCompletionUnits	Double	At Completion Units of the expenses summarized by CBS	No
BaselineType	String	Baseline type of the associated baseline	No
CBSObjectId	ForeignKey	The unique ID of CBS.	No
DataDate	DateTime	The data date of the project when it was last summarized by CBS	No
EndDate	DateTime	End date of the expenses summarized by CBS	No
ExpenseCategoryName	String	The name of the expense category associated with an Expense	No
ObjectId	String	The unique ID generated by the system.	No
OriginalProjectObjectId	ForeignKey	The original object id of the associated Project	No
PlannedCost	Double	Planned Cost of the expenses summarized by CBS	No
PlannedUnits	Double	Planned Units of the expenses	No

Field	Type	Description	Read-Only
		summarized by CBS	
ProjectId	String	Project short name	No
ProjectName	String	Project name	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
RemainingCost	Double	Remaining Cost of the expenses summarized by CBS	No
RemainingUnits	Double	Remaining Units of the expenses summarized by CBS	No
StartDate	DateTime	Start date of the expenses summarized by CBS	No
SummaryActualCost	Double	Actual Cost of the expenses summarized by CBS	No
SummaryActualUnits	Double	Actual Units of the expenses summarized by CBS	No
SummaryAtCompletionCost	Double	At Completion cost of the expenses summarized by CBS	No
SummaryAtCompletionUnits	Double	At Completion units of the expenses summarized by CBS	No
SummaryPlannedCost	Double	Planned Cost of the expenses summarized by CBS	No
SummaryPlannedUnits	Double	Planned Units of the expenses summarized by CBS	No
SummaryRemainingCost	Double	Remaining costs of the expenses summarized by CBS	No
SummaryRemainingUnits	Double	Remaining units of the expenses summarized by CBS	No

CBSResourceSpread

Description: Summarized spread data per CBS per resource assignment.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost of the resource assignments when summarized by CBS	No
ActualUnits	Double	The actual units of the resource assignments when summarized by CBS	No

Field	Type	Description	Read-Only
AtCompletionCost	Double	At Completion cost of the resource assignments when summarized by CBS	No
AtCompletionUnits	Double	At Completion units of the resource assignments when summarized by CBS.	No
BaselineType	String	The name of the baseline type for this project baseline. Baseline types are used to categorize project baselines.	No
CBSObjectId	ForeignKey	The unique ID of CBS.	Yes
CurrencyId	String	Currency Id	No
CurrencyName	String	Currency Name	No
DataDate	DateTime	The data date of the project when it was last summarized by CBS.	No
EndDate	DateTime	End date of the resource assignments when summarized by CBS	No
ObjectId	String	The unique ID generated by the system.	No
OriginalProjectObjectId	ForeignKey	The original object id of the associated Project	Yes
PlannedCost	Double	Planned cost of the resource assignments when summarized by CBS	No
PlannedUnits	Double	The planned units of the resource assignments when summarized by CBS.	No
ProjectId	String	The short code that uniquely identifies the project.	Yes
ProjectName	String	The name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RemainingCost	Double	Remaining cost of the resource assignments when summarized by CBS	No
RemainingUnits	Double	The remaining units of the resource assignments when summarized by CBS	No
ResourceId	String	The short code that uniquely identifies the resource.	Yes
ResourceName	String	The name of the resource.	Yes
ResourceType	String	The resource type: "Labor", "Nonlabor", or "Material".	No

Field	Type	Description	Read-Only
StartDate	DateTime	Start date of the resource assignments when summarized by CBS	No
SummaryActualCost	Double	Actual cost of the resource assignments when summarized by CBS	Yes
SummaryActualFinish	DateTime	Actual finish date of the resource assignments when summarized by CBS	Yes
SummaryActualStart	DateTime	Actual Start date of the resource assignments when summarized by CBS	Yes
SummaryActualUnits	Double	Actual Units of the resource assignments when summarized by CBS	Yes
SummaryAtCompletionCost	Double	At completion cost of the resource assignments when summarized by CBS	Yes
SummaryAtCompletionUnits	Double	At Completion Units of the resource assignments when summarized by CBS	Yes
SummaryPlannedCost	Double	Planned cost of the resource assignments when summarized by CBS	Yes
SummaryPlannedFinish	DateTime	Finish date of the resource assignments when summarized by CBS	Yes
SummaryPlannedStart	DateTime	Planned start of the resource assignments when summarized by CBS	Yes
SummaryPlannedUnits	Double	Planned Units of the resource assignments when summarized by CBS	Yes
SummaryRemainingCost	Double	Remaining cost of the resource assignments when summarized by CBS	Yes
SummaryRemainingFinish	DateTime	Remaining finish date of the resource assignments when summarized by CBS	Yes
SummaryRemainingStart	DateTime	Remaining Start date of the resource assignments when summarized by CBS	Yes
SummaryRemainingUnits	Double	Remaining Units of the resource assignments when summarized by CBS	Yes
UnitAbbreviation	String	Unit Abbreviation	No
UnitName	String	Unit Name	No

CostAccount

Description: Cost accounts contain the organization's cost account IDs. Available across all projects, they support tracking of costs and earned value based on the organization's cost account IDs. Cost accounts are hierarchical objects.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this cost account was created.	Yes
CreateUser	String	The name of the user that created this cost account.	Yes
Description	String	The description of the cost account.	No
Id	String	The short code that uniquely identifies this cost account.	No
LastUpdateDate	DateTime	The date this cost account was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this cost account.	Yes
Name	String	The name of the cost account.	No
ObjectId	Int	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent cost account of this cost account in the hierarchy.	No
SequenceNumber	Int	The sequence number for sorting.	No

Currency

Description: Currencies are the monetary units used to store costs for all projects in the database. Monetary units are stored in the database with a base currency but can be viewed in other currencies using the exchange for each currency.

Field	Type	Description	Read-Only
CreateDate	DateTime	The create Date for currency	Yes
CreateUser	String	The name of the user that created this user-defined field.	Yes
DecimalSymbol	Enum	The symbol for decimal	No
DigitGroupingSymbol	Enum	The symbol for Digit Groups	No
ExchangeRate	Double	The exchange rate for currency	No

Field	Type	Description	Read-Only
Id	String	The id for currency	No
IsBaseCurrency	Boolean	The flag that identifies the base currency.	No
LastUpdateDate	DateTime	The Last Update Date for currency	Yes
LastUpdateUser	String	The name of the user that last updated this user-defined field.	Yes
Name	String	The Name of currency	No
NegativeSymbol	Enum	The symbol for negative currency	No
ObjectId	Int	The unique ID generated by the system.	No
PositiveSymbol	Enum	The symbol for positive currency	No
Symbol	String	The symbol for decimal	No

EPS

Description: EPS.

Field	Type	Description	Read-Only
AnticipatedFinishDate	String	The anticipated finish date of the EPS. User-entered - not dependent upon any other fields. If there are no children, the anticipated finish date will be the finish date displayed in the columns.	No
AnticipatedStartDate	String	The anticipated start date of the EPS. User-entered - not dependent upon any other fields. If there are no children, the anticipated start date will be the start date displayed in the columns.	No
CreateDate	DateTime	The date this EPS was created.	Yes
CreateUser	String	The name of the user that created this EPS.	Yes
CurrentBudget	String	The sum of the original budget plus the approved and pending budgets from the budget change log.	Yes

Field	Type	Description	Read-Only
CurrentVariance	String	The difference between the current budget and the total spending plan. Calculated as current budget - total spending plan. Not rolled up	Yes
DistributedCurrentBudget	String	The current budget values from one level lower.	Yes
FinishDate	String	The finish date of the EPS.	Yes
GUID	String	The globally unique ID generated by the system.	No
Id	String	The short code assigned to each EPS element for identification.	No
IndependentETCLaborUnits	String	The user-entered ETC total labor.	Yes
IndependentETCTotalCost	String	The user-entered ETC total cost.	Yes
LastSummarizedDate	String	The date the project was last summarized.	Yes
LastUpdateDate	DateTime	The date this EPS was last updated.	Yes
LastUpdateDate	String	The date this EPS was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this EPS.	Yes
LastUpdateUser	String	The name of the user that last updated this EPS.	Yes
Name	String	The name of the EPS element.	No
ObjectId	Int	The unique ID generated by the system.	No
OBSName	String	The name of the person/role in the organization, sometimes referred to as the "responsible manager".	Yes
OBSObjectId	String	The unique ID of the project manager from the project's OBS tree who is responsible for the EPS.	No
OriginalBudget	String	The original budget for the project.	No
ParentObjectId	Foreign Key	The unique ID of the parent EPS of this EPS in the hierarchy.	No

Field	Type	Description	Read-Only
PlannedStartDate	String	The planned start date of the project. Used by the project scheduler.	Yes
ProjectObjectId	String	The internal Project ID of the EPS. This ID cannot be used to load a Project object directly.	Yes
ProposedBudget	String	The Proposed Budget, which is the sum of the original budget plus the approved and pending budgets from the budget change log.	Yes
SequenceNumber	String	The sequence number for sorting.	No
StartDate	String	The start date of the EPS.	Yes
SummaryAccountingVarianceByCost	String	the Planned Value minus the Actual Cost. A negative value indicates that the Actual Cost has exceeded the Planned Value.	Yes
SummaryAccountingVarianceByLaborUnits	String	the Planned Value Labor Units minus the Actual Units. Negative value indicates that Actual Units have exceeded the Planned Value Labor Units.	Yes
SummaryActivityCount	String	the number of activities that are currently in progress.	Yes
SummaryActualDuration	String	The actual duration.	Yes
SummaryActualExpenseCost	String	The actual costs for all project expenses associated with the EPS.	Yes
SummaryActualFinishDate	String	The latest actual finish date of all activities in the EPS.	Yes
SummaryActualLaborCost	String	The actual cost for all labor resources assigned to the activity.	Yes
SummaryActualLaborUnits	String	The actual labor units.	Yes
SummaryActualMaterialCost	String	The actual units for all material resources assigned to the activity.	Yes
SummaryActualNonLaborCost	String	The actual units for all nonlabor resources assigned to the activity.	Yes
SummaryActualNonLaborUnits	String	The actual nonlabor units.	Yes
SummaryActualStartDate	String	The earliest actual start date of all	Yes

Field	Type	Description	Read-Only
		activities in the EPS.	
SummaryActualThisPeriodCost	String	The actual this period cost (will be labor or nonlabor).	Yes
SummaryActualThisPeriodLaborCost	String	The actual this period labor cost	Yes
SummaryActualThisPeriodLaborUnits	String	The actual this period labor units.	Yes
SummaryActualThisPeriodMaterialCost	String	The actual this period material cost.	Yes
SummaryActualThisPeriodNonLaborCost	String	The actual this period nonlabor cost.	Yes
SummaryActualThisPeriodNonLaborUnits	String	The actual this period nonlabor units.	Yes
SummaryActualTotalCost	String	The actual labor cost + actual nonlabor cost + actual expense cost as of the project data date.	Yes
SummaryActualValueByCost	String	the actual total cost incurred on the activity as of the project data date, computed as Actual Labor Cost + Actual Nonlabor Cost + Actual Material Cost + Actual Expense Cost.	Yes
SummaryActualValueByLaborUnits	String	the actual total labor units for the activity as of the project data date (i.e., actual total cost by labor units).	Yes
SummaryAtCompletionDuration	String	The duration at completion.	Yes
SummaryAtCompletionExpenseCost	String	the sum of the actual plus remaining cost for all project expenses associated with the cost account.	Yes
SummaryAtCompletionLaborCost	String	The sum of the actual plus remaining costs for all labor resources assigned to the activity. Same as the planned labor costs if the activity is not started and the actual labor costs once the activity is completed.	Yes
SummaryAtCompletionLaborUn	String	The sum of the actual plus	Yes

Field	Type	Description	Read-Only
its		remaining units for all labor resources assigned to the activity. Same as the planned labor units if the activity is not started and the actual labor units once the activity is completed.	
SummaryAtCompletionMaterialCost	String	The material cost at completion. Same as the planned material costs if the activity is not started and the actual material costs once the activity is completed.	Yes
SummaryAtCompletionNonLaborCost	String	The nonlabor cost at completion. Same as the planned nonlabor costs if the activity is not started and the actual nonlabor costs once the activity is completed.	Yes
SummaryAtCompletionNonLaborUnits	String	The nonlabor units at completion. Same as the planned nonlabor units if the activity is not started and the actual nonlabor units once the activity is completed.	Yes
SummaryAtCompletionTotalCost	String	The estimated cost at completion for the activity. Note that the method for computing ETC depends on the earned-value technique selected for the activity's WBS.	Yes
SummaryAtCompletionTotalCostVariance	String	the Baseline Planned Total Cost - At Completion Total Cost.	Yes
SummaryBaselineCompletedActivityCount	String	The number of completed activities in the baseline.	Yes
SummaryBaselineDuration	String	Planned duration is the total working time from the activity current start date to the current finish date. Same as the actual duration plus the remaining duration. The total working time is computed using the activity's calendar.	Yes
SummaryBaselineExpenseCost	String	the planned cost for all project expenses associated with the activity in the primary baseline.	Yes

Field	Type	Description	Read-Only
		Computed as the baseline actual expense cost plus the baseline remaining expense cost.	
SummaryBaselineFinishDate	String	The current latest finish date of all activities in the EPS for the current baseline.	Yes
SummaryBaselineInProgressActivityCount	String	the number of activities that should be currently in progress, according to the primary baseline. Computed using the baseline start and finish dates and the current data date.	Yes
SummaryBaselineLaborCost	String	the planned cost for all labor resources assigned to the activity in the primary baseline. If no resources are assigned, computed as the activity Baseline Planned Labor Units * Project Default Price / Time.	Yes
SummaryBaselineLaborUnits	String	the planned units for all labor resources assigned to the activity in the primary baseline. Computed as the baseline actual labor units plus the baseline remaining labor units.	Yes
SummaryBaselineMaterialCost	String	the planned cost for all material resources assigned to the activity in the primary baseline. Computed from the baseline At Completion nonlabor units. If no resources are assigned.	Yes
SummaryBaselineNonLaborCost	String	the planned cost for all nonlabor resources assigned to the activity in the primary baseline. If no resources are assigned, computed as the activity Baseline Planned Nonlabor Units * Project Default Price / Time.	Yes
SummaryBaselineNonLaborUnits	String	the planned units for all nonlabor resources assigned to the activity in the primary baseline. Computed as the baseline actual nonlabor units plus the baseline remaining	Yes

Field	Type	Description	Read-Only
		nonlabor units.	
SummaryBaselineNotStartedActivityCount	String	The number of activities not started in the baseline.	Yes
SummaryBaselineStartDate	String	The current earliest start date of all activities in the EPS for the current baseline.	Yes
SummaryBaselineTotalCost	String	the Planned Total Cost for the activity in the primary baseline, including labor resources, nonlabor resources, and project expenses.	Yes
SummaryBudgetAtCompletionByCost	String	the Planned Total Cost through activity completion. Computed as Planned Labor Cost + Planned Nonlabor Cost + Planned Expense Cost, same as the Planned Total Cost.	Yes
SummaryBudgetAtCompletionByLaborUnits	String	the Baseline Labor Units	Yes
SummaryCompletedActivityCount	String	the number of activities that have an Actual Finish in the EPS.	Yes
SummaryCostPercentComplete	String	The percent complete of costs for the resource assignments in the EPS. Computed as Actual Units / At Complete Units * 100. Always in the range 0 to 100.	Yes
SummaryCostPercentOfPlanned	String	The activity actual cost percent of planned. The value can exceed 100. The baseline total cost is the activity's at completion cost from the current baseline.	Yes
SummaryCostPerformanceIndexByCost	String	the Earned Value divided by the Actual Cost. A value less than 1 indicates that the Actual Cost has exceeded the Planned Value.	Yes
SummaryCostPerformanceIndexByLaborUnits	String	the Earned Value Labor Units / Actual Labor Units.	Yes
SummaryCostVarianceByCost	String	the Earned Value minus the Actual Cost. A negative value indicates that the Actual Cost has exceeded the Planned Value.	Yes

Field	Type	Description	Read-Only
SummaryCostVarianceByLaborUnits	String	the Earned Value Labor Cost minus Actual Value Labor Cost.	Yes
SummaryCostVarianceIndex	String	The value that is calculated as the Cost Variance divided by Earned Value.	Yes
SummaryCostVarianceIndexByCost	String	the Cost Variance divided by Earned Value.	Yes
SummaryCostVarianceIndexByLaborUnits	String	the Cost Variance Labor Units divided by Earned Value Labor Units.	Yes
SummaryDurationPercentComplete	String	The activity actual duration percent of planned. Computed as (baseline planned duration - remaining duration) / baseline planned duration * 100.	Yes
SummaryDurationPercentOfPlanned	String	The summary actual duration percent of planned of all activities under this EPS. Computed as actual duration / baseline duration * 100. The value can exceed 100. The Baseline duration is the activity's at complete duration from the current baseline.	Yes
SummaryDurationVariance	String	The duration between the activity's baseline duration and the at complete duration. Computed as baseline duration - at completion duration.	Yes
SummaryEarnedValueByCost	String	the Budget at Completion * Performance % Complete. The method for computing the Performance Percent Complete depends on the Earned Value technique selected for the activity's WBS. Budget at Completion is computed from the primary baseline.	Yes
SummaryEarnedValueByLaborUnits	String	the Schedule Variance Labor Units divided by the Planned Value Labor Units.	Yes
SummaryEstimateAtCompletion	String	the Actual Cost plus the Estimate	Yes

Field	Type	Description	Read-Only
ByCost		to Complete Cost. The method for computing Estimate to Complete depends on the Earned Value technique selected for the activity's WBS.	
SummaryEstimateAtCompletionByLaborUnits	String	the Actual Labor Units + Estimate To Complete Labor Units. (Estimate To Complete Labor Units is calculated based off of the Earned Value setting on the EPS.)	Yes
SummaryEstimateAtCompletionHighPercentByLaborUnits	String	the high forecast of Estimate At Completion (EAC) by labor units.	Yes
SummaryEstimateAtCompletionLowPercentByLaborUnits	String	the low forecast of Estimate At Completion (EAC) by labor units.	Yes
SummaryEstimateToCompleteByCost	String	the Remaining Total Cost for the activity or the Performance Factor * (Budget at Completion - Earned Value), depending on the Earned Value technique selected for the activity's WBS (calculated from the primary baseline).	Yes
SummaryEstimateToCompleteByLaborUnits	String	The estimated quantity to complete the activity.	Yes
SummaryExpenseCostPercentComplete	String	The percent complete of cost for all expenses associated with the EPS. It is computed as Actual Expense Cost / At Complete Expense Cost * 100, and it is always in the range of 0 to 100.	Yes
SummaryExpenseCostVariance	String	the Baseline Planned Expense Cost - At Completion Expense Cost (At Completion Expense Cost = Actual Expense Cost + Remaining Expense Cost).	Yes
SummaryFinishDateVariance	String	The duration between the finish date in the current project and the baseline finish date. Calculated as finish date - baseline finish date.	Yes
SummaryInProgressActivityCount	String	The number of activities that are currently in progress.	Yes

Field	Type	Description	Read-Only
SummaryLaborCostPercentComplete	String	The percent complete of cost for all labor resources assigned to the EPS. It is computed as Actual Labor Cost / At Complete Labor Cost * 100, and it is always in the range of 0 to 100.	Yes
SummaryLaborCostVariance	String	the Baseline Planned Labor Cost - At Completion Labor Cost.	Yes
SummaryLaborUnitsPercentComplete	String	The percent complete of units for all labor resources for the EPS. Computed as actual labor units / at complete labor units * 100. Always in the range 0 to 100.	Yes
SummaryLaborUnitsVariance	String	The difference between baseline labor units and at completion labor units. Calculated as Baseline labor units - at completion labor units.	Yes
SummaryMaterialCostPercentComplete	String	The percent complete of cost for all material resources assigned to the EPS. It is computed as Actual Material Cost / At Complete Material Cost * 100, and it is always in the range of 0 to 100.	Yes
SummaryMaterialCostVariance	String	The variance that is calculated as Baseline Material Cost - At Completion Material Cost.	Yes
SummaryNonLaborCostPercentComplete	String	The percent complete of cost for all non-labor resources assigned to the EPS. It is computed as Actual Nonlabor Cost / At Complete Nonlabor Cost * 100, and it is always in the range of 0 to 100.	Yes
SummaryNonLaborCostVariance	String	The Baseline Planned Nonlabor Cost - At Completion Nonlabor Cost.	Yes
SummaryNonLaborUnitsPercentComplete	String	The percent complete of units for all nonlabor resources for the EPS. Computed as Actual Nonlabor Cost / At Completion Nonlabor Cost * 100. Always in the range 0 to 100.	Yes
SummaryNonLaborUnitsVarian	String	The difference between baseline	Yes

Field	Type	Description	Read-Only
ce		nonlabor units and at completion non labor units. Calculated as Baseline nonlabor units - at completion nonlabor units.	
SummaryNotStartedActivityCount	String	the number of activities that are currently not started.	Yes
SummaryPerformancePercentCompleteByCost	String	the percent complete of performance for all labor resources, nonlabor resources, and expenses. Computed as Earned Value / Budget At Completion * 100. Always in the range 0 to 100.	Yes
SummaryPerformancePercentCompleteByLaborUnits	String	the percent complete of performance for all labor resources. Computed as earned value labor units / baseline labor units * 100. Always in the range 0 to 100.	Yes
SummaryPlannedCost	String	The sum of all planned expense, non labor, labor, and material costs in the EPS.	Yes
SummaryPlannedDuration	String	The total working days between planned start and finish dates in the EPS.	Yes
SummaryPlannedExpenseCost	String	The sum of all planned expense costs in the EPS.	Yes
SummaryPlannedFinishDate	String	The latest planned finish date of all activities in the EPS.	Yes
SummaryPlannedLaborCost	String	The sum of all planned labor costs in the EPS.	Yes
SummaryPlannedLaborUnits	String	The sum of all planned labor units in the EPS.	Yes
SummaryPlannedMaterialCost	String	The sum of all planned material costs in the EPS.	Yes
SummaryPlannedNonLaborCost	String	The sum of all planned non labor costs in the EPS.	Yes
SummaryPlannedNonLaborUnits	String	The sum of all planned non labor units in the EPS.	Yes
SummaryPlannedStartDate	String	The earliest planned start date of	Yes

Field	Type	Description	Read-Only
		all activities in the EPS.	
SummaryPlannedValueByCost	String	The Budget at Completion * Schedule % Complete. The Schedule % Complete specifies how much of the activity's baseline duration has been completed so far. Budget at Completion is computed from the primary baseline	Yes
SummaryPlannedValueByLaborUnits	String	The portion of the baseline labor units that is scheduled to be completed as of the project data date. The Baseline Labor Units is taken from the current baseline.	Yes
SummaryProgressFinishDate	String	the date the activity is expected to be finished according to the progress made on the activity's work products. The expected finish date is entered manually by people familiar with progress of the activity's work products.	Yes
SummaryRemainingDuration	String	The total working time from the EPS remaining start date to the remaining finish date.	Yes
SummaryRemainingExpenseCost	String	The remaining costs for all project expenses associated with the activities in the EPS.	Yes
SummaryRemainingFinishDate	String	The date the resource is scheduled to finish the remaining work for the activity. Before the activity is started, the remaining finish date is the same as the planned finish date.	Yes
SummaryRemainingLaborCost	String	The remaining costs for all labor resources assigned to the activities. The remaining cost reflects the cost remaining for the EPS.	Yes
SummaryRemainingLaborUnits	String	The remaining units for all labor resources assigned to the activities. The remaining units reflects the work remaining to be	Yes

Field	Type	Description	Read-Only
		done for the EPS.	
SummaryRemainingMaterialCost	String	The remaining material costs for all project expenses associated with the activities in the EPS.	Yes
SummaryRemainingNonLaborCost	String	The remaining nonlabor costs for all project expenses associated with the activities in the EPS.	Yes
SummaryRemainingNonLaborUnits	String	The remaining units for all nonlabor resources assigned to the activities. The remaining units reflects the work remaining to be done for the EPS.	Yes
SummaryRemainingStartDate	String	The earliest remaining start of all activities assigned to the EPS.	Yes
SummaryRemainingTotalCost	String	The sum of all remaining total costs in the EPS.	Yes
SummarySchedulePercentComplete	String	The measure that indicates how much of the EPS baseline duration has been completed so far. Indicative of how much of the EPS duration should be currently completed, relative to the selected baseline.	Yes
SummarySchedulePercentCompleteByLaborUnits	String	the percent complete of units for all labor resources. Computed as Actual Labor Units / At Completion Labor Units * 100. Always in the range 0 to 100.	Yes
SummarySchedulePerformanceIndexByCost	String	the Earned Value divided by the Planned Value. A value less than 1 indicates that less work was actually performed than was scheduled.	Yes
SummarySchedulePerformanceIndexByLaborUnits	String	the Earned Value Labor Units divided by Planned Value Labor Units.	Yes
SummaryScheduleVarianceByCost	String	the Earned Value divided by the Planned Value. A negative value indicates that less work was actually performed than was	Yes

Field	Type	Description	Read-Only
		scheduled.	
SummaryScheduleVarianceByLaborUnits	String	the Earned Value Labor Units minus the Planned Value Labor Units.	Yes
SummaryScheduleVarianceIndex	String	The value that is calculated as the Schedule Variance Labor Units divided by Planned Value Labor Units.	Yes
SummaryScheduleVarianceIndexByCost	String	the Schedule Variance divided by the Planned Value.	Yes
SummaryScheduleVarianceIndexByLaborUnits	String	the Schedule Variance Labor Units divided by the Planned Value Labor Units.	Yes
SummaryStartDateVariance	String	The duration between the start date in the current project and the baseline start date. Calculated as start date - baseline start date.	Yes
SummaryToCompletePerformanceIndexByCost	String	the (Budget at Completion - Earned Value) divided by (Estimate at Completion - Actual Cost).	Yes
SummaryTotalCostVariance	String	The value that is calculated as baseline total cost - total cost.	Yes
SummaryTotalFloat	String	The amount of time the EPS can be delayed before delaying the project finish date. Total float can be computed as late start - early start or as late finish - early finish; this option can be set when running the project scheduler.	Yes
SummaryUnitsPercentComplete	String	The percent complete of units for the resource assignments in the EPS. Computed as Actual Units / At Complete Units * 100. Always in the range 0 to 100.	Yes
SummaryVarianceAtCompletionByLaborUnits	String	the Baseline Planned Total Labor Units minus Estimate at Completion Labor Units.	Yes
TotalBenefitPlan	String	The sum of the monthly benefit plan.	Yes

Field	Type	Description	Read-Only
TotalBenefitPlanTally	String	The sum of the monthly benefit plan tally.	Yes
TotalFunding	String	The total amount of funding contributed to the project by your funding sources.	Yes
TotalSpendingPlan	String	The sum of the monthly spending plan.	Yes
TotalSpendingPlanTally	String	The sum of the monthly spending plan tally.	Yes
UnallocatedBudget	String	The total current budget minus the distributed current budget.	Yes
UndistributedCurrentVariance	String	The total spending plan minus the total spending plan tally.	Yes

ExpenseCategory

Description: Expense categories are used to categorize project expenses. They are used for standardizing expenses and for rolling up expenses across projects.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this expense category was created.	Yes
CreateUser	String	The name of the user that created this expense category.	Yes
LastUpdateDate	DateTime	The date this expense category was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this expense category.	Yes
Name	String	The name of the expense category.	No
ObjectId	Int	The unique ID generated by the system.	No
SequenceNumber	Int	The sequence number for sorting.	No

FinancialPeriod

Description: Financial periods are used to provide accurate display and reporting of actual units and costs. Financial periods may not overlap each other and do not have to be contiguous.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this financial period was created.	Yes
CreateUser	String	The name of the user that created this financial period.	Yes
EndDate	DateTime	The end date of the financial period.	No
LastUpdateDate	DateTime	The date this financial period was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this financial period.	Yes
Name	String	The name of the financial period.	No
ObjectId	Int	The unique ID generated by the system.	No
StartDate	DateTime	The start date of the financial period.	No

LeanTask

Description: Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.

Field	Type	Description	Read-Only
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
Company	String	The company associated to the lean task.	No
CompletedDate	DateTime	The completion date of the lean task.	No
DueDate	DateTime	The due date of the lean task.	No
Duration	Int	The duration of the lean task.	No
Flag	Boolean	The Boolean value indicating if the task is flagged.	No
IsCompleted	Boolean	The Boolean value indicating if the lean task is completed.	No
IsOverdue	Boolean	The Boolean value indicating if the lean task is overdue.	No
IsUseOnlyWorkDays	Boolean	The Boolean value indicating if only calendar work days should be used.	No

LeanTaskId	String	The ID of the lean task.	No
Name	String	The name of the lean task.	No
ObjectId	Int	The unique ID generated by the system.	No
ProposedDueDate	DateTime	The proposed due date for the lean task.	No
StartDate	DateTime	The start date of the lean task.	No
Status	String	The status of the lean task.	No
StatusCompletion	String	The status completion of the lean task.	No
StatusDates	String	The status dates of the lean task.	No
TaskType	String	The field is used to identify whether the task is just a Task or Task milestone.	No

Location

Description: The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.

Name	Type	Description	Read-Only
AddressLine1	String	The first line of the address with street number and street name.	No
AddressLine2	String	The second line of the address with street number and street name.	No
City	String	The city name of the address.	No
Country	String	The country of the address.	No
CountryCode	String	The country code of the address.	No
CreateDate	DateTime	The date this location was created.	Yes
CreateUser	String	The name of the user that created this location.	Yes
LastUpdateDate	DateTime	The date this location was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this location.	Yes
Latitude	Double	The latitude of the location.	No
Longitude	Double	The longitude of the location.	No
Municipality	String	The municipality name of the address.	No

Name	Type	Description	Read-Only
Name	String	The name of the location.	No
ObjectId	Int	The unique ID generated by the system.	No
PostalCode	String	The postal code of the address.	No
State	String	The state name of the address.	No
StateCode	String	The state abbreviation of the address.	No

NotebookTopic

Description: Notebook topics are used to categorize notes on EPS, project, WBS,and activity objects.

Field	Type	Description	Read-Only
AvailableForActivity	Boolean	The flag indicating that the topic will be available to assign to activities.	No
AvailableForEPS	Boolean	The flag indicating that the topic will be available to assign to EPS.	No
AvailableForProject	Boolean	The flag indicating that the topic will be available to assign to projects.	No
AvailableForWBS	Boolean	The flag indicating that the topic will be available to assign to WBS.	No
Name	String	The name of the NotebookTopic.	No
ObjectId	String	The unique ID of the NotebookTopic.	No

Project

Description: A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities.

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
ActivityDefaultCalendarName	String	The name of the Activity Default Calendar of this project.	Yes
ActivityDefaultCalendarObjectId	ForeignKey	The unique ID of the Activity Default Calendar of this project.	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
ActivityDefaultCostAccountObjectId	Int	The unique ID of the Activity Default Cost Acount of this project.	No
ActivityDefaultDurationType	Enum	Indicates the activity default duration type of the activity..	No
ActivityDefaultPercentCompleteType	Enum	Indicates the activity default percent complete type of the activity..	No
ActivityDefaultPricePerUnit	Double	The activity default price per unit for a activity.	No
ActivityIdBasedOnSelectedActivity	Boolean	The boolean activity id based on selected activity indicator of the activity.	No
ActivityIdIncrement	Int	The increment value of the activity Id.	No
ActivityIdPrefix	String	The prefix value of the activity Id.	No
ActivityIdSuffix	Int	The suffix value of the activity Id.	No
ActivityPercentCompleteBasedOnActivitySteps	Boolean	The boolean activity percent complete based on activity steps value of the prject.	No
AddActualToRemaining	Boolean	The boolean add actual to remaining value of the activity.	No
AddedBy	String	The addedBy value of the project.	No
AllowNegativeActualUnitsFlag	Boolean	The boolean allow negative actual units flag value of the activity.	No
AnnualDiscountRate	Double	The annual discount rate value of the project.	No
AnticipatedFinishDate	DateTime	The anticipated finish date of the project.	No
AnticipatedStartDate	DateTime	The anticipated start date of the project.	No
AssignmentDefaultDrivingFlag	Boolean	The boolean assignment default driving flag value of the assignment.	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
AssignmentDefaultRateType	Enum	Indicates the default rate type of the assignment.	No
BaselineTypeName	String	The baseline type name of the baseline project.	No
BaselineTypeObjectId	ForeignKey	The unique ID of the BaselineType object. It is only available when the project is a baseline project.	No
CalculateFloatBasedOnFinishDate	String	The flag that indicates how each activity's float will be calculated with respect to other projects in the scheduling batch. This setting only has an effect when scheduling multiple projects at the same time	Yes
CheckOutDate	DateTime	The check out date of the project.	Yes
CheckOutStatus	Boolean	The boolean check out status flag value of the project.	No
CheckOutUserObjectId	Int	The check out user objectId value.	Yes
ComputeTotalFloatType	Enum	The method for calculating total float for all activities.	Yes
ContainsSummaryData	Boolean	The boolean contains summary data flag of the project.	Yes
ContractManagementGroupName	String	The contract management group name value of the project.	No
ContractManagementProjectName	String	The contract management project name value of the project.	No
CostQuantityRecalculateFlag	Boolean	The boolean cost quantity recalculate flag of the project.	No
CreateDate	DateTime	The created date of the project.	Yes
CreateUser	String	The user who created the project.	Yes
CriticalActivityFloatLimit	Double	The critical activity float limit.	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
CriticalActivityFloatThreshold	String	The maximum float time for activities before they are marked critical.	Yes
CriticalActivityPathType	Enum	Indicates Activity critical path type.	No
CriticalFloatThreshold	Double	The option used for setting the critical float threshold value when scheduling projects.	Yes
CurrentBaselineProjectObjectId	Int	The current baseline project objectId of the project.	No
CurrentBudget	Double	The current budget of the project.	Yes
CurrentVariance	Double	The current variance of the project.	Yes
DataDate	DateTime	The data date of the project.	No
DateAdded	DateTime	The date added of the project.	No
DefaultPriceTimeUnits	Enum	Indicates default price time units of the activity	No
Description	String	The description of the project.	No
DiscountApplicationPeriod	Enum	Indicates discount application period of the project	No
DistributedCurrentBudget	Double	The distributed current budget of the project.	Yes
EarnedValueComputeType	Enum	Indicates earned value compute type of the project	No
EarnedValueETCComputeType	Enum	Indicates earned value ETC compute type of the project	No
EarnedValueETCUserValue	Double	The earned value ETC user value for project computing earned value.	No
EarnedValueUserPercent	Double	The earned value user percent for project to compute earned value.	No
EnablePublication	Boolean	The boolean enable publication	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
		flag of the project.	
EnableSummarization	Boolean	The boolean enable summarization flag of the project.	No
FinishDate	DateTime	The date finish date of the project.	Yes
FiscalYearStartMonth	Int	The fiscal year start month of the project.	No
ForecastFinishDate	DateTime	The date forecast finish date of the project.	Yes
ForecastStartDate	DateTime	The date forecast start date of the project.	Yes
GUID	String	The GUID of the project.	No
HasFutureBucketData	Boolean	The boolean has future bucket data flag of the project.	Yes
Id	String	The short id assigned to each project for identification.	No
IgnoreOtherProjectRelationships	Boolean	The option used by the scheduler for treating activity relationships between projects when scheduling.	Yes
IndependentETCLaborUnits	Double	The independent ETC labor units of the project.	No
IndependentETCTotalCost	Double	The independent ETC total cost of the project.	No
IntegratedType	Enum	The type of system integration, if any, in place at the organization.	No
IsTemplate	Boolean	The boolean is template flag of the project.	Yes
LastApplyActualsDate	DateTime	The last apply actuals date of the project.	Yes
LastFinancialPeriodObjectId	Int	The last financial period objectId of the project.	No
LastLevelDate	DateTime	The last leveling date of the project.	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
LastPublishedOn	DateTime	The date last published on of the project.	Yes
LastScheduleDate	DateTime	The last schedule date of the project.	Yes
LastSummarizedDate	DateTime	The last summarized date of the project.	Yes
LastUpdateDate	DateTime	The last update date of the project.	Yes
LastUpdateUser	String	The last update user of the project.	Yes
Latitude	Double	The latitude of the location.	Yes
LevelingPriority	Int	The leveling priority of the project.	No
LimitMultipleFloatPaths	Int	The number of critical float paths to calculate.	Yes
LinkActualToActualThisPeriod	Boolean	The boolean link actual to actual this period of the project.	No
LinkPercentCompleteWithActual	Boolean	The boolean link percent complete with actual of the project.	No
LinkPlannedAndAtCompletionFlag	Boolean	The boolean link planned and atCompletion flag of the project.	No
LocationName	String	The name of the location assigned to the project.	Yes
LocationObjectId	Int	The unique ID of the location assigned to the project.	No
Longitude	Double	The longitude of the location.	Yes
MakeOpenEndedActivitiesCritical	String	The option used by the scheduler for automatically leveling resources when scheduling projects.	Yes
MaximumMultipleFloatPaths	String	The number of critical float paths to calculate	Yes
MultipleFloatPathsEnabled	String	The Boolean value that indicates whether multiple critical float	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
		paths (sequences of activities) should be calculated in the project schedule.	
MultipleFloatPathsEndingActivityObjectId	String	The activity in the WBS that you want to represent the end of the float paths.	Yes
MultipleFloatPathsUseTotalFloat	String	The Boolean value that decides whether or not to use total float in multiple float path calculations.	Yes
MustFinishByDate	DateTime	The date by which all project activities must finish.	No
Name	String	The name of the project.	No
NetPresentValue	Double	The net present value of the project.	Yes
ObjectId	Int	The unique ID generated by the system.	No
OBSName	String	The obs name of the project.	Yes
OBSObjectId	Int	The obs object id of the project.	No
OriginalBudget	Double	The original budget of the project.	No
OriginalProjectObjectId	ForeignKey	The unique ID of the original project. It is a baseline project if this field is not null.	Yes
OutOfSequenceScheduleType	String	The type of logic used to schedule the progressed activities: 'Retained Logic', 'Progress Override', or 'Actual Dates'.	Yes
OverallProjectScore	Int	The overall project score of the project.	Yes
OwnerResourceId	String	The short code that uniquely identifies the owner resource.	No
OwnerResourceObjectId	ForeignKey	The owner resource objectId of the project.	No
ParentEPSId	String	The parent eps id of the project.	No
ParentEPSObjectId	ForeignK	The unique ID of the parent EPS	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
	ey	of this project.	
PaybackPeriod	Int	The pay back period of the project.	Yes
PlannedStartDate	DateTime	The planned start date of the project.	No
PostResponsePessimisticFinish	DateTime	The calculated project post-response finish date that corresponds to the defined pessimistic percentile.	No
PostResponsePessimisticStart	DateTime	The calculated project post-response start date that corresponds to the defined pessimistic percentile.	No
PreResponsePessimisticFinish	DateTime	The calculated project pre-response finish date that corresponds to the defined pessimistic percentile.	No
PreResponsePessimisticStart	DateTime	The calculated project pre-response start date that corresponds to the defined pessimistic percentile.	No
PrimaryResourcesCanMarkActivitiesAsCompleted	Boolean	The boolean primary resources can mark activities as completed flag of the project.	No
ProjectForecastStartDate	DateTime	The forecast start date of the project.	No
ProjectScheduleType	Enum	Schedule type of the project - Valid values are 'Duration' or 'Resource' or 'Cost'.	No
PropertyType	Enum	The project property name associated with the scheduling of projects.	Yes
ProposedBudget	Double	The proposed budget of the project.	Yes
PublicationPriority	Int	The publication priority of the project.	No

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
RelationshipLagCalendar	Enum	The calendar used to calculate the lag between predecessors and successors for all activities.	Yes
ResetPlannedToRemainingFlag	Boolean	The boolean reset planned to remaining flag of the project.	No
ResourceCanBeAssignedToSameActivityMoreThanOnce	Boolean	The boolean resource can be assigned to same activity more than once flag of the project.	No
ResourcesCanAssignThemselvesToActivities	Boolean	The boolean resource can assign themselves to activities of the project.	No
ResourcesCanEditAssignmentPercentComplete	Boolean	The boolean resource can edit assignment percent complete of the project.	No
ResourcesCanMarkAssignmentAsCompleted	Boolean	The boolean resource can mark assignment as completed of the project.	No
ResourcesCanViewInactiveActivities	Boolean	The boolean resource can view inactive activities of the project.	No
ReturnOnInvestment	Double	The return on investment of the project.	Yes
RiskExposure	Double	The proposed budget of the project.	Yes
RiskLevel	Enum	Indicates risk level of the project	No
RiskMatrixName	String	The name of the associated risk matrix.	Yes
RiskMatrixObjectId	ForeignKey	The risk matrix objectId of the project.	No
RiskScore	Int	The risk score of the project.	Yes
ScheduledFinishDate	DateTime	The scheduled finish date of the project.	No
SourceProjectObjectId	ForeignKey	The source project objectId of the project.	Yes
StartDate	DateTime	The start date of the project.	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
StartToStartLagCalculationType	Boolean	The method used to calculate lag when a start-to-start relationship exists and the predecessor starts out of sequence.	Yes
Status	Enum	The status of the project.	No
StrategicPriority	Int	The strategic priority of the project.	No
SummarizedDataDate	DateTime	The summarized data date of the project.	No
SummarizeToWBSLevel	Int	The summarize to wbs level of the project.	No
SummaryAccountingVarianceByCost	Double	The summary accounting variance by cost of the project.	Yes
SummaryAccountingVarianceByLaborUnits	Double	The summary accounting variance by labor units of the project.	Yes
SummaryActivityCount	Int	The summary activity count of the project.	Yes
SummaryActualDuration	Double	The summary actual duration of the project.	Yes
SummaryActualExpenseCost	Double	The summary actual expense costof the project.	Yes
SummaryActualFinishDate	DateTime	The summary actual finish date of the project.	Yes
SummaryActualLaborCost	Double	The summary actual labor cost of the project.	Yes
SummaryActualLaborUnits	Double	The summary actual labor units of the project.	Yes
SummaryActualMaterialCost	Double	The summary actual material cost of the project.	Yes
SummaryActualNonLaborCost	Double	The summary actual nonlabor cost of the project.	Yes
SummaryActualNonLaborUnits	Double	The summary actual nonlabor units of the project.	Yes
SummaryActualStartDate	DateTim	The summary actual start date of	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
	e	the project.	
SummaryActualThisPeriodCost	Double	The summary actual this period cost of the project.	Yes
SummaryActualThisPeriodLaborCost	Double	The summary actual this period labor cost of the project.	Yes
SummaryActualThisPeriodLaborUnits	Double	The summary actual this period labor unit of the project.	Yes
SummaryActualThisPeriodMaterialCost	Double	The summary actual this period material cost of the project.	Yes
SummaryActualThisPeriodNonLaborCost	Double	The summary actual this period nonlabor cost of the project.	Yes
SummaryActualThisPeriodNonLaborUnits	Double	The summary actual this period nonlabor unit of the project.	Yes
SummaryActualTotalCost	Double	The summary actual total cost of the project.	Yes
SummaryActualValueByCost	Double	The summary actual value by cost of the project.	Yes
SummaryActualValueByLaborUnits	Double	The summary actual value by labor units of the project.	Yes
SummaryAtCompletionDuration	Double	The summary at completion duration of the project.	Yes
SummaryAtCompletionExpenseCost	Double	The summary at completion expense cost of the project.	Yes
SummaryAtCompletionLaborCost	Double	The summary at completion labor cost of the project.	Yes
SummaryAtCompletionLaborUnits	Double	The summary at completion labor units of the project.	Yes
SummaryAtCompletionMaterialCost	Double	The summary at completion material cost of the project.	Yes
SummaryAtCompletionNonLaborCost	Double	The summary at completion nonlabor cost of the project.	Yes
SummaryAtCompletionNonLaborUnits	Double	The summary at completion nonlabor units of the project.	Yes
SummaryAtCompletionTotalCo	Double	The summary at completion total	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
st		cost of the project.	
SummaryAtCompletionTotalCostVariance	Double	The summary at completion total cost variance of the project.	Yes
SummaryBaselineCompletedActivityCount	Int	The summary baseline completed activity count of the project.	Yes
SummaryBaselineDuration	Double	The summary baseline duration of the project.	Yes
SummaryBaselineExpenseCost	Double	The summary baseline expense cost of the project.	Yes
SummaryBaselineFinishDate	DateTime	The summary baseline finish date of the project.	Yes
SummaryBaselineInProgressActivityCount	Int	The summary baseline in progress activity count of the project.	Yes
SummaryBaselineLaborCost	Double	The summary baseline labor cost of the project.	Yes
SummaryBaselineLaborUnits	Double	The summary baseline labor units of the project.	Yes
SummaryBaselineMaterialCost	Double	The summary baseline material cost of the project.	Yes
SummaryBaselineNonLaborCost	Double	The summary baseline nonlabor cost of the project.	Yes
SummaryBaselineNonLaborUnits	Double	The summary baseline nonlabor Units of the project.	Yes
SummaryBaselineNotStartedActivityCount	Int	The summary baseline not start activity count of the project.	Yes
SummaryBaselineStartDate	DateTime	The summary baseline start date of the project.	Yes
SummaryBaselineTotalCost	Double	The summary baseline total cost of the project.	Yes
SummaryBudgetAtCompletionByCost	Double	The summary budget at comletion by cost of the project.	Yes
SummaryBudgetAtCompletionByLaborUnits	Double	The summary budget at completion by labor units of the	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
		project.	
SummaryCompletedActivityCount	Int	The summary completed activity count of the project.	Yes
SummaryCostPercentComplete	Double	The summary cost percent complete of the project.	Yes
SummaryCostPercentOfPlanned	Double	The summary cost percent of planned of the project.	Yes
SummaryCostPerformanceIndexByCost	Double	The summary cost performance index by cost of the project.	Yes
SummaryCostPerformanceIndexByLaborUnits	Double	The summary cost performance index by labor units of the project.	Yes
SummaryCostVarianceByCost	Double	The summary cost variance by cost of the project.	Yes
SummaryCostVarianceByLaborUnits	Double	The summary cost variance by labor units of the project.	Yes
SummaryCostVarianceIndex	Double	The summary cost variance index of the project.	Yes
SummaryCostVarianceIndexByCost	Double	The summary cost variance index by cost of the project.	Yes
SummaryCostVarianceIndexByLaborUnits	Double	The summary cost variance index by labor unit of the project.	Yes
SummaryDurationPercentComplete	Double	The summary duration percent complete of the project.	Yes
SummaryDurationPercentOfPlanned	Double	The summary duration percent of planned of the project.	Yes
SummaryDurationVariance	Double	The summary duration variance of the project.	Yes
SummaryEarnedValueByCost	Double	The summary earned value by cost of the project.	Yes
SummaryEarnedValueByLaborUnits	Double	The summary earned value by labor units of the project.	Yes
SummaryEstimateAtCompletionByCost	Double	The summary estimate at completion by cost of the project.	Yes
SummaryEstimateAtCompletion	Double	The summary estimate at completion by labor units of the	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
ByLaborUnits		project.	
SummaryEstimateAtCompletionHighPercentByLaborUnits	Double	The summary estimate at completion high percent by labor units of the project.	Yes
SummaryEstimateAtCompletionLowPercentByLaborUnits	Double	The summary estimate at completion low percent by labor units of the project.	Yes
SummaryEstimateToCompleteByCost	Double	The summary estimate to completion by cost of the project.	Yes
SummaryEstimateToCompleteByLaborUnits	Double	The summary estimate to completion by labor units of the project.	Yes
SummaryExpenseCostPercentComplete	Double	The summary expense cost percent complete of the project.	Yes
SummaryExpenseCostVariance	Double	The summary expense cost variance of the project.	Yes
SummaryFinishDateVariance	Double	The summary finish date variance of the project.	Yes
SummaryInProgressActivityCount	Double	The summary in progress activity count of the project.	Yes
SummaryLaborCostPercentComplete	Double	The summary labor cost percent complete of the project.	Yes
SummaryLaborCostVariance	Double	The summary labor cost variance of the project.	Yes
SummaryLaborUnitsPercentComplete	Double	The summary labor units percent complete of the project.	Yes
SummaryLaborUnitsVariance	Double	The summary labor units variance of the project.	Yes
SummaryLevel	Enum	Indicates summary level of the project	No
SummaryMaterialCostPercentComplete	Double	The summary material cost percent complete of the project.	Yes
SummaryMaterialCostVariance	Double	The summary material cost variance of the project.	Yes
SummaryNonLaborCostPercent	Double	The summary nonlabor cost	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
Complete		percent complete of the project.	
SummaryNonLaborCostVariance	Double	The summary nonlabor cost variance of the project.	Yes
SummaryNonLaborUnitsPercentComplete	Double	The summary nonlabor units percent complete of the project.	Yes
SummaryNonLaborUnitsVariance	Double	The summary nonlabor units variance of the project.	Yes
SummaryNotStartedActivityCount	Double	The summary non started activity count of the project.	Yes
SummaryPerformancePercentCompleteByCost	Double	The summary performance percent complete by cost of the project.	Yes
SummaryPerformancePercentCompleteByLaborUnits	Double	The summary performance percent complete by labor units of the project.	Yes
SummaryPlannedCost	Double	The summary planned cost of the project.	Yes
SummaryPlannedDuration	Double	The summary planned duration of the project.	Yes
SummaryPlannedExpenseCost	Double	The summary planned expense cost of the project.	Yes
SummaryPlannedFinishDate	DateTime	The summary planned finish date of the project.	Yes
SummaryPlannedLaborCost	Double	The summary planned labor cost of the project.	Yes
SummaryPlannedLaborUnits	Double	The summary planned labor units of the project.	Yes
SummaryPlannedMaterialCost	Double	The summary planned material cost of the project.	Yes
SummaryPlannedNonLaborCost	Double	The summary planned non labor cost of the project.	Yes
SummaryPlannedNonLaborUnits	Double	The summary planned non labor units of the project.	Yes
SummaryPlannedStartDate	DateTime	The summary planned start date of the project.	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
SummaryPlannedValueByCost	Double	The summary planned value by cost of the project.	Yes
SummaryPlannedValueByLaborUnits	Double	The summary planned value by labor units of the project.	Yes
SummaryProgressFinishDate	DateTime	The summary progress finish date of the project.	Yes
SummaryRemainingDuration	Double	The summary remaining duration of the project.	Yes
SummaryRemainingExpenseCost	Double	The summary remaining expense cost of the project.	Yes
SummaryRemainingFinishDate	DateTime	The summary remaining finish date of the project.	Yes
SummaryRemainingLaborCost	Double	The summary remaining labor cost of the project.	Yes
SummaryRemainingLaborUnits	Double	The summary remaining labor units of the project.	Yes
SummaryRemainingMaterialCost	Double	The summary remaining material cost of the project.	Yes
SummaryRemainingNonLaborCost	Double	The summary remaining non labor cost of the project.	Yes
SummaryRemainingNonLaborUnits	Double	The summary remaining non labor units of the project.	Yes
SummaryRemainingStartDate	DateTime	The summary remaining start date of the project.	Yes
SummaryRemainingTotalCost	Double	The summary remaining total cost of the project.	Yes
SummarySchedulePercentComplete	Double	The summary schedule percent complete of the project.	Yes
SummarySchedulePercentCompleteByLaborUnits	Double	The summary schedule percent complete by labor units of the project.	Yes
SummarySchedulePerformanceIndexByCost	Double	The summary schedule performance index by cost of the project.	Yes
SummarySchedulePerformance	Double	The summary schedule	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
IndexByLaborUnits		performance index by labor units of the project.	
SummaryScheduleVarianceByCost	Double	The summary schedule variance by cost of the project.	Yes
SummaryScheduleVarianceByLaborUnits	Double	The summary schedule variance by labor units of the project.	Yes
SummaryScheduleVarianceIndex	Double	The summary schedule variance index of the project.	Yes
SummaryScheduleVarianceIndexByCost	Double	The summary schedule variance index by cost of the project.	Yes
SummaryScheduleVarianceIndexByLaborUnits	Double	The summary schedule variance index by labor units of the project.	Yes
SummaryStartDateVariance	Double	The summary start date variance of the project.	Yes
SummaryToCompletePerformanceIndexByCost	Double	The summary to complete performance index by costof the project.	Yes
SummaryTotalCostVariance	Double	The summary total cost variance of the project.	Yes
SummaryTotalFloat	Double	The summary total float of the project.	Yes
SummaryUnitsPercentComplete	Double	The summary units percent complete of the project.	Yes
SummaryVarianceAtCompletionByLaborUnits	Double	The summary variance at completion by labor units of the project.	Yes
TotalBenefitPlan	Double	The total benefit plan of the project.	Yes
TotalBenefitPlanTally	Double	The total benefitplantally of the project.	Yes
TotalFunding	Double	The total funding of the project.	Yes
TotalSpendingPlan	Double	The total spending plan of the project.	Yes
TotalSpendingPlanTally	Double	The total spending plantally of the project.	Yes

Field	Type	Description	Read-Only
ActivityDefaultActivityType	Enum	Indicates the activityType of the activity.	No
UnallocatedBudget	Double	The unallocated budget of the project.	Yes
UndistributedCurrentVariance	Double	The undistributed current variance of the project.	Yes
UseExpectedFinishDates	String	The option used for setting activity finish dates as the expected finish dates when scheduling projects.	Yes
UseProjectBaselineForEarnedValue	Boolean	The boolean use project baseline for earned value of the project.	No
WBSCodeSeparator	String	The string wbs code separator of the project.	No
WBSMilestonePercentComplete	Double	The wbs milestone percent complete of the project.	Yes
WBSObjectId	Int	The unique ID of the associated wbs.	Yes
WebSiteRootDirectory	String	The string web site root directory of the project.	No
WebSiteURL	String	The string web site URL of the project.	No

ProjectCode

Description: Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the project code type.	Yes
CodeTypeObjectId	ForeignKey	The unique ID of the project code type.	No
CodeValue	String	The value of the project code.	No
CreateDate	DateTime	The date this project code was created.	Yes
CreateUser	String	The name of the user that created	Yes

Field	Type	Description	Read-Only
		this project code.	
Description	String	The description of the project code.	No
LastUpdateDate	DateTime	The date this project code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this project code.	Yes
ObjectId	Int	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent project code.	No
SequenceNumber	Int	The sequence number for sorting.	No
Weight	Int	The weight for this project code.	No

ProjectCodeType

Description: Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this project code type was created.	Yes
CreateUser	String	The name of the user that created this project code type.	Yes
IsSecureCode	Boolean	The flag indicating whether this is a secure project code type.	No
LastUpdateDate	DateTime	The date this project code type was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this project code type.	Yes
Length	Int	The maximum number of characters allowed for values of this project code.	No
MaxCodeValueWeight	Int	The maximum weight of the code values for this project code type.	No
Name	String	The name of the project code type.	No
ObjectId	Int	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
SequenceNumber	Int	The sequence number for sorting.	No
Weight	Int	The weight for this project code type.	No

ProjectResource

Description: Primavera's resource planning feature allows you to do high-level project planning for future project or project that does not require resource assignments at the activity level.

Field	Type	Description	Read-Only
CommittedFlag	Boolean	The Boolean value that determines whether a resource is committed, and so, the resource assignment is stable and unlikely to change. When calculating availability, Primavera considers only assignments that are marked as committed.	No
CreateDate	DateTime	The date this project resource was created.	Yes
CreateUser	String	The name of the user that created this project resource.	Yes
FinishDate	DateTime	The finish date of the assignment. By default, it is set to the Planned Start date of the project + 1 day, finishing at 5:00pm.	No
IsBaseline	Boolean	The boolean value indicating if this business object is related to a Project or Baseline.	Yes
IsTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
LastUpdateDate	DateTime	The date this project resource was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this project resource.	Yes
LifeOfProjectFlag	Boolean	The Boolean value that determines whether a resource that is assigned to a project at Project or WBS level, has that assignment for the duration of the project.	No

Field	Type	Description	Read-Only
ObjectId	Int	The unique ID generated by the system.	No
ProjectId	String	The short code that uniquely identifies the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ProjectResourceCategoryName	String	The name of the associated project resource category.	No
ProjectResourceCategoryObjectId	Int	The unique ID of the associated project resource category.	No
ResourceName	String	The name of the associated resource.	Yes
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
RoleName	String	The name of the associated role.	Yes
RoleObjectId	ForeignKey	The unique ID of the associated role.	No
StartDate	DateTime	The start date of the assignment. By default, it is set to the Planned Start date of the project. If LifeOfProjectFlag is set to true, this date is set to the Project Planned Start date..	No
Status	Enum	The project or WBS status: 'Planned', 'Active', 'Inactive', 'What-If', or 'Requested'.	No
WBSCode	String	The short code assigned to the associated WBS element for identification.	Yes
WBSObjectId	ForeignKey	The unique ID of the associated WBS.	Yes

Relationship

Description: A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.

Field	Type	Description	Read-Only
CreateDate	DateTi	The date this calendar was created.	Yes

Field	Type	Description	Read-Only
	me		
CreateUser	String	The name of the user that created this calendar.	Yes
IsPredecessorBaseline	Boolean	The boolean value indicating if the predecessor activity is related to a Project or Baseline	Yes
IsPredecessorTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
IsSuccessorBaseline	Boolean	The boolean value indicating if the successor activity is related to a Project or Baseline	Yes
IsSuccessorTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
Lag	Double	The time lag of the relationship. This is the time lag between the predecessor activity's start or finish date and the successor activity's start or finish date, depending on the relationship type.	No
LastUpdateDate	DateTime	The date this resource code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
ObjectId	Int	The unique ID generated by the system.	No
PredecessorActivityId	String	The unique ID of the predecessor activity.	Yes
PredecessorActivityName	String	The name of the predecessor activity.	Yes
PredecessorActivityObjectId	ForeignKey	The unique ID of the predecessor activity.	No
PredecessorActivityType	Enum	The type of the predecessor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	Yes
PredecessorProjectId	String	The unique ID of the project that owns the predecessor activity.	No
PredecessorProjectObjectId	ForeignKey	The unique ID of the project that owns the predecessor activity.	No
SuccessorActivityId	String	The unique ID of the successor activity.	Yes
SuccessorActivityName	String	The name of the successor activity.	Yes

Field	Type	Description	Read-Only
SuccessorActivityObjectId	Foreign Key	The unique ID of the successor activity.	No
SuccessorActivityType	Enum	The type of the successor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	Yes
SuccessorProjectId	String	The unique ID of the project that owns the successor activity.	Yes
SuccessorProjectObjectId	Foreign Key	The unique ID of the project that owns the successor activity.	No
Type	Enum	The type of relationship: 'Finish to Start', 'Finish to Finish', 'Start to Start', or 'Start to Finish'.	No

Resource

Description: Resources include labor, nonlabor, and materials that are used for activities across all projects.

Field	Type	Description	Read-Only
AutoComputeActuals	Boolean	The option that determines whether the activity actual and remaining units, and start and finish dates for the resource are calculated automatically using the planned dates, planned units, and the activity's schedule percent complete.	No
CalculateCostFromUnits	Boolean	The option that determines whether any new assignments for this resource will have its costs recalculated whenever any quantity changes occur.	No
CalendarName	String	The name of the calendar that is assigned to the resource.	Yes
CalendarObjectId	Foreign Key	The unique ID of the calendar assigned to the resource.	No
CreateDate	DateTime	The date this resource was created.	Yes
CreateUser	String	The name of the user that created this resource.	Yes
CurrencyId	String	The unique currency abbreviation for the	Yes

		currency associated with this resource.	
CurrencyName	String	The name of the currency associated with this resource.	Yes
CurrencyObjectId	Int	The unique ID of the currency associated with this resource.	No
DefaultUnitsPerTime	Double	The default units/time setting, which determines the value of the remaining units/time and planned units/time when a resource assignment is added.	No
EffectiveDate	DateTime	The earliest day when the resource becomes overallocated. This date is calculated during the summarization.	Yes
EmailAddress	String	The e-mail address for the resource.	No
EmployeeId	String	The resource identifier within the organization, typically the employee number or social security number.	No
GUID	String	The globally unique ID generated by the system.	No
Id	String	The short code that uniquely identifies the resource.	No
IntegratedType	Enum	The indicator that determines whether the resource is integrated with an Enterprise Resource Planning (ERP) system. 'Fusion' indicates the resource is integrated with Oracle Fusion. 'ERP' indicates the resource is integrated with another ERP system.	No
IsActive	Boolean	The option that determines whether the resource is currently active. Non-active resources may be resources that have left the organization but not deleted from the system since they may have actual hours.	No
IsOverTimeAllowed	Boolean	The option that determines whether the resource is allowed to log overtime hours.	No
LastUpdateDate	DateTime	The date this resource was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource.	Yes
Latitude	Double	The latitude of the location.	Yes
LocationName	String	The name of the location assigned to the resource.	Yes

LocationObjectId	Int	The unique ID of the location assigned to the resource.	No
Longitude	Double	The longitude of the location.	Yes
MaxUnitsPerTime	Double	The maximum work units per time this resource can perform on all their assigned activities.	Yes
Name	String	The name of the resource.	No
ObjectId	Int	The unique ID generated by the system.	No
OfficePhone	String	The office phone number for the resource.	No
OtherPhone	String	The other phone numbers for the resource - pager, home phone, cell phone, etc.	No
OvertimeFactor	Double	The overtime factor used to compute the overtime price for the resource.	No
ParentObjectId	Foreign Key	The unique ID of the parent resource of this resource in the hierarchy.	No
PricePerUnit	Double	The planned price per unit for the project expense. This number is multiplied by the planned number of units to compute the planned cost.	Yes
PrimaryRoleId	String	The short code that uniquely identifies the primary role for this resource.	Yes
PrimaryRoleName	String	The name of the primary role for this resource.	Yes
PrimaryRoleObjectId	Foreign Key	The unique ID of the role that is assigned as the resource's primary role.	No
ResourceNotes	String	The notes about the resource.	No
ResourceType	String	The resource type: Labor resource performs labor and is measured in units of time, Nonlabor resource does not perform labor and is measured in units of time, Material resource has a unit of measure other than time.	No
SequenceNumber	Int	The sequence number for sorting.	No
ShiftObjectId	Int	The unique ID of the shift associated with the resource.	No
TimesheetApprovalManager	String	The resource manager assigned to approve timesheets for the resource.	Yes
TimesheetApprovalManagerObjectId	Int	The unique ID of the resource manager assigned to approve timesheets for the	No

		resource.	
Title	String	The title of the resource.	No
UnitOfMeasureAbbreviation	Int	The unique ID of the unit of measure this material resource uses.	Yes
UserName	String	The user's login name.	Yes
UserObjectId	Int	The unique ID of the associated user.	No
UseTimesheets	Boolean	The option that determines whether the resource uses timesheets.	Yes

ResourceAssignment

Description: Resource assignments track the work of resources or roles that are performing various activities.

Field	Type	Description	Read-Only
ActivityId	String	The short ID that uniquely identifies the activity within the project.	Yes
ActivityName	String	The name of the activity. The activity name does not have to be unique.	Yes
ActivityObjectId	ForeignKey	The unique ID of the activity to which the resource is assigned.	No
ActivityType	Enum	The type of the activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	Yes
ActualCost	Double	The actual non-overtime plus overtime cost for the resource assignment on the activity. Computed as actual cost = actual regular cost + actual overtime cost.	No
ActualCurve	String	The actual hours for the resource assignment on the activity for a manual curve.	No
ActualDuration	Double	The actual duration for the resource assignment on the activity.	Yes
ActualFinishDate	DateTime	The date the resource actually	No

Field	Type	Description	Read-Only
		finished working on the activity.	
ActualOvertimeCost	Double	The actual overtime cost for the resource assignment on the activity. Computed as actual overtime cost = actual overtime units * cost per time * overtime factor.	No
ActualOvertimeUnits	Double	The actual overtime units worked by the resource on this activity. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	No
ActualRegularCost	Double	The actual non-overtime cost for the resource assignment on the activity. Computed as actual regular cost = actual regular units * cost per time.	No
ActualRegularUnits	Double	The actual non-overtime units worked by the resource on this activity. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	No
ActualStartDate	DateTime	The date the resource actually started working on the activity.	No
ActualThisPeriodCost	Double	The actual this period cost (will be labor or nonlabor).	No
ActualThisPeriodUnits	Double	The actual this period units (hours) (will be labor or nonlabor).	No
ActualUnits	Double	The actual non-overtime plus overtime units worked by the resource on this activity. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	No
AtCompletionCost	Double	The sum of the actual plus remaining costs for the resource assignment on the activity.	No

Field	Type	Description	Read-Only
AtCompletionDuration	Double	The total working time from the activity's current start date to the current finish date.	Yes
AtCompletionUnits	Double	The sum of the actual plus remaining units for the resource assignment on the activity.	No
AutoComputeActuals	Boolean	The option that determines whether the activity's actual and remaining units, start date, finish date, and percent complete are computed automatically using the planned dates, planned units and the schedule percent complete.	Yes
CalendarName	String	The name of the calendar.	Yes
CalendarObjectId	ForeignKey	The unique ID generated by the system for the calendar associated with the resource assignment.	Yes
CBSCode	String	CBS Code associated with the Resource Assignment.	Yes
CBSId	ForeignKey	The unique ID of the CBS assigned to the Resource Assignment.	No
CostAccountId	String	The id of associated cost account.	Yes
CostAccountName	String	The name of the associated cost account.	Yes
CostAccountObjectId	Int	The unique ID of the cost account associated with this resource assignment.	No
CreateDate	DateTime	The date this assignment was created.	Yes
CreateUser	String	The name of the user that created this assignment.	Yes
DailySpreadActualCost	String	Field Description	Yes
DailySpreadActualOvertimeCost	String	The actual overtime cost for the resource assignment on the activity for daily spread. Computed as daily spread actual overtime cost = daily spread	Yes

Field	Type	Description	Read-Only
		actual overtime units * cost per time * overtime factor.	
DailySpreadActualOvertimeUnits	String	The actual overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadActualRegularCost	String	The actual non-overtime cost for the resource assignment on the activity for daily spread. Computed as daily spread actual regular cost = daily spread actual regular units * cost per time.	Yes
DailySpreadActualRegularUnits	String	The actual non-overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadActualUnits	String	The actual non-overtime plus overtime units worked by the resource on this activity for daily spread. This value is computed from timesheets when project actuals are applied or may be entered directly by the project manager.	Yes
DailySpreadAtCompletionCost	String	The sum of the actual plus remaining costs for the resource assignment on the activity for daily spread.	Yes
DailySpreadAtCompletionUnits	String	The sum of the actual plus remaining units for the resource assignment on the activity for daily spread.	Yes
DailySpreadPlannedCost	String	The planned cost of work required for the resource assignment on the activity to be completed for daily spread.	Yes

Field	Type	Description	Read-Only
DailySpreadPlannedUnits	String	The planned units of work for the resource assignment on the activity for daily spread. This field is named BudgetedUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadRemainingCost	String	The remaining cost for the resource assignment on the activity for daily spread. Computed as daily spread remaining cost = daily spread remaining units * cost per time.	Yes
DailySpreadRemainingLateCost	String	Field Description	Yes
DailySpreadRemainingLateUnits	String	Field Description	Yes
DailySpreadRemainingUnits	String	Desc	Yes
DailySpreadStaffedRemainingCost	String	The time distribution of the resource's remaining cost for resource assignements that have filled a role.	Yes
DailySpreadStaffedRemainingLateCost	String	Field Description	Yes
DailySpreadStaffedRemainingLateUnits	String	Field Description	Yes
DailySpreadStaffedRemainingUnits	String	The time distribution of the resource's daily spread remaining units for resource assignments that have filled a role.	Yes
DailySpreadUnstaffedRemainingCost	String	The time distribution of the resource's daily spread remaining cost for resource assignments that have not filled a role.	Yes
DailySpreadUnstaffedRemainingLateCost	String	Field Description	Yes
DailySpreadUnstaffedRemainingLateUnits	String	Field Description	Yes
DailySpreadUnstaffedRem	String	The time distribution of the	Yes

Field	Type	Description	Read-Only
ainingUnits		resource's daily spread remaining units for resource assignments that have not filled a role.	
DrivingActivityDatesFlag	Boolean	The flag indicating whether new resource/role assignments drive activity dates, by default.	No
FinishDate	DateTime	The finish date of the resource assignment on the activity. Set to the remaining finish date until the activity is completed, then set to the actual finish date.	No
GUID	String	The globally unique ID generated by the system.	No
HasFutureBucketData	Boolean	The flag that indicates whether the assignment has future bucket data.	Yes
IsActive	Boolean	The flag that indicates whether this resource assignment is active.	Yes
IsActivityFlagged	Boolean	The flag that indicates whether the resource who is assigned to the activity assignment has flagged the activity as important to the resource.	No
IsBaseline	Boolean	The boolean value indicating if this business object is related to a Project or Baseline.	Yes
IsCostUnitsLinked	Boolean	The flag that determines whether or not cost should be calculated based on units.	No
IsOvertimeAllowed	Boolean	The flag that indicates whether the resource is allowed to log overtime hours.	Yes
IsPrimaryResource	Boolean	The flag that indicates whether this resource is the activity's primary resource.	No
IsTemplate	Boolean	The boolean value indicating if this business object is related to a template Project.	Yes
LastUpdateDate	DateTime	The date this assignment was last	Yes

Field	Type	Description	Read-Only
		updated.	
LastUpdateUser	String	The name of the user that last updated this assignment.	Yes
ObjectId	Int	The unique ID generated by the system.	No
OvertimeFactor	Double	The overtime factor used to compute the overtime price for the resource assignment on this activity. Overtime price = standard price * overtime factor.	No
PendingActualOvertimeUnits	Double	The actual overtime units worked by the resource on this activity.	Yes
PendingActualRegularUnits	Double	The actual nonovertime units worked by the resource on this activity.	Yes
PendingPercentComplete	Double	The estimate of the percentage of the resource's units of work completed on this activity. The pending percent complete is entered by each resource using Timesheets.	No
PendingRemainingUnits	Double	The estimate of the resource's remaining units on this activity. The pending remaining units is entered by each resource using Timesheets.	No
PlannedCost	Double	The planned cost for the resource assignment on the activity. Computed as planned cost = planned units * price per time.	No
PlannedCurve	String	The planned hours for the resource assignment on the activity for a manual curve.	No
PlannedDuration	Double	The planned working time for the resource assignment on the activity, from the resource's planned start date to the planned finish date.	No
PlannedFinishDate	DateTime	The date the resource is scheduled to finish working on the activity. This date is computed by	No

Field	Type	Description	Read-Only
		the project scheduler but can be updated manually by the project manager.	
PlannedLag	Double	The planned time lag between the activity's planned start date and the resource's planned start date on the activity. If the resource is planned to start work when the activity is planned to start, the planned lag is zero.	No
PlannedStartDate	DateTime	The date the resource is scheduled to begin working on the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
PlannedUnits	Double	The planned units of work for the resource assignment on the activity. This field is named BudgetedUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	No
PlannedUnitsPerTime	Double	The planned units per time at which the resource is to perform work on this activity.	No
PricePerUnit	Double	The price per time for the resource on this activity. This price is used to compute the resource's cost for the activity.	No
PriorActualOvertimeUnits	Double	The difference between the pending quantity value and the actual quantity value for overtime before applying the new actual value.	Yes
PriorActualRegularUnits	Double	The difference between the pending quantity value and the actual quantity value before applying the new actual value.	Yes
Proficiency	Enum	The skill level that is associated with the role. The values are 'Master', 'Expert', 'Skilled',	No

Field	Type	Description	Read-Only
		'Proficient', and 'Inexperienced'.	
ProjectId	String	The short code that uniquely identifies the project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RateSource	Enum	The value that indicates which price/unit will be used to calculate costs for the assignment, such as 'Resource', 'Role', and 'Override'.	No
RateType	Enum	The rate type that determines which of the five prices specified for the resource will be used to calculate the cost for the resource assignment.	No
RemainingCost	Double	The remaining cost for the resource assignment on the activity. Computed as remaining cost = remaining units * cost per time.	No
RemainingCurve	String	The remaining hours for the resource assignment on the activity for a manual curve.	No
RemainingDuration	Double	The remaining duration of the resource assignment. The remaining duration is the remaining working time for the resource assignment on the activity, from the resource's remaining start date to the remaining finish date.	No
RemainingFinishDate	DateTime	The date the resource is scheduled to finish the remaining work for the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
RemainingLag	Double	The time lag between the activity's remaining start date and the resource's remaining start date on the activity.	No
RemainingLateFinishDate	DateTime	The remaining late finish date	Yes

Field	Type	Description	Read-Only
		calculated by the scheduler.	
RemainingLateStartDate	DateTime	The remaining late start date calculated by the scheduler.	Yes
RemainingStartDate	DateTime	The date the resource is scheduled to begin the remaining work for the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
RemainingUnits	Double	The remaining units of work to be performed by this resource on this activity. Before the activity is started, the remaining units are the same as the planned units. After the activity is completed, the remaining units are zero.	No
RemainingUnitsPerTime	Double	The units per time at which the resource will be performing work on the remaining portion of this activity.	No
ResourceCalendarName	String	The name of the calendar for the resource.	Yes
ResourceCurveName	String	The name of the resource curve that determines how resources and costs are distributed over time for this activity.	Yes
ResourceCurveObjectId	ForeignKey	The unique ID of the resource curve.	No
ResourceId	String	The short code that uniquely identifies the resource.	Yes
ResourceName	String	The name of the resource.	Yes
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
ResourceType	Enum	The resource type: 'Labor', 'Nonlabor', or 'Material'.	No
RoleId	String	The short code that uniquely identifies the role.	Yes
RoleName	String	The name of the role. The role name uniquely identifies the role.	Yes

Field	Type	Description	Read-Only
RoleObjectId	ForeignKey	The unique ID of the role the resource is performing on this activity. A resource may be assigned to the same activity more than once, performing different roles.	No
RolledupWBSObjectId	ForeignKey	Rolled up WBS Object Ids after filtering either by levels or tagging	No
StaffedRemainingCost	Double	The time distribution of the resource's remaining cost for resource assignments that have filled a role.	Yes
StaffedRemainingUnits	Double	The time distribution of the resource's remaining units for resource assignments that have filled a role.	Yes
StartDate	DateTime	The start date of the resource assignment on the activity. Set to the remaining start date until the activity is started, then set to the actual start date.	No
UnitsPercentComplete	Double	The percent complete of units for the resource assignment on the activity. Computed as actual units / at completion units * 100. Always in the range 0 to 100.	No
UnstaffedRemainingCost	Double	The time distribution of the resource's remaining cost for resource assignments that have not filled a role.	Yes
UnstaffedRemainingUnits	Double	The time distribution of the resource's remaining units for resource assignments that have not filled a role.	Yes
WBSObjectId	ForeignKey	The unique ID of the WBS for the activity.	Yes

ResourceCode

Description: Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	Read-Only
CodeTypeName	String	The name of the resource code type.	Yes
CodeTypeObjectId	ForeignKey	The unique ID of the resource code type.	No
CodeValue	String	The value of the resource code.	No
CreateDate	DateTime	The date this resource code was created.	Yes
CreateUser	String	The name of the user that created this resource code.	Yes
Description	String	The description of the resource code.	No
LastUpdateDate	DateTime	The date this resource code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
ObjectId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent resource code.	No
SequenceNumber	Int	The sequence number for sorting.	No

ResourceCodeType

Description: Resource code types provide a way of classifying resource codes. Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this resource code type was created.	Yes
CreateUser	String	The name of the user that created this resource code type.	Yes
IsSecureCode	Boolean	The flag indicating whether this is a secure resource code type.	No
LastUpdateDate	DateTime	The date this resource code type was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code type.	Yes
Length	Int	The maximum number of characters allowed	No

Field	Type	Description	Read-Only
		for values of this resource code.	
Name	String	The name of the resource code type.	No
ObjectId	String	The unique ID generated by the system.	No
SequenceNumber	Int	The sequence number for sorting.	No

ResourceCurve

Description: Resource curves enable you to specify how you want resource units or costs spread over the duration of an activity.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this resource code was created.	Yes
CreateUser	String	The name of the user that created this resource code.	Yes
CurveData	String	The 21-point curve data.	No
IsDefault	Boolean	The flag that identifies the default curve.	Yes
LastUpdateDate	DateTime	The date this resource code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
Name	String	The name of the resource curve.	No
ObjectId	String	The unique ID generated by the system.	No

ResourceRate

Description: Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this resource rate was created.	Yes

Field	Type	Description	Read-Only
CreateUser	String	The name of the user that created this resource rate.	Yes
EffectiveDate	DateTime	The effective date for the resource price and maximum units per time.	No
LastUpdateDate	DateTime	The date this resource rate was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource rate.	Yes
MaxUnitsPerTime	Double	The maximum work units per time this resource can perform on all their assigned activities.	No
ObjectId	Int	The unique ID generated by the system.	No
PricePerUnit	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
PricePerUnit2	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
PricePerUnit3	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
PricePerUnit4	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
PricePerUnit5	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
ResourceId	String	The short code that uniquely identifies the resource.	Yes
ResourceName	String	The name of the resource.	Yes
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
ShiftPeriodObjectId	Int	The unique ID of the associated shift.	No

ResourceRole

Description: A resource role object represents an association between a resource object and a role object.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this resource code was created.	Yes
CreateUser	String	The name of the user that created this resource code.	Yes
LastUpdateDate	DateTime	The date this resource code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
ObjectId	String	The unique ID generated by the system.	No
Proficiency	Enum	The resource's proficiency at performing this role.	No
ResourceId	String	The short code that uniquely identifies the resource.	Yes
ResourceName	String	The name of the resource.	Yes
ResourceObjectId	ForeignKey	The unique ID of the resource.	No
RoleId	String	The short code that uniquely identifies the role.	Yes
RoleName	String	The name of the role.	Yes
RoleObjectId	ForeignKey	The unique ID of the role.	No

Risk

Description: The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.

Field	Type	Description	Read-Only
Cause	String	The description of the cause of the Risk.	No
Description	String	The description of the Risk.	No
Effect	String	The description of the risks effect on the project.	No

Field	Type	Description	Read-Only
Id	String	The ID of the Risk. Must be unique within a project.	No
IdentifiedDate	DateTime	The date this risk was identified.	No
Name	String	The name of the Risk. Does not need to be unique.	No
ObjectId	Int	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ResponseTotalCost	Double	The total estimated cost for the risk.	No
Status	Enum	The current status of the Risk. Valid values are 'Proposed', 'Open', 'Rejected', 'Managed', and 'Impacted'.	No
Type	Enum	The type of the risk. Valid values are 'Threat' and 'Opportunity'.	No

RiskImpact

Description: The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RiskId	String	The short name of the associated risk.	Yes
RiskName	String	The name of the associated risk.	Yes
RiskObjectId	ForeignKey	The unique ID of the associated risk.	No
RiskThresholdLevelCode	String	The short name of the associated risk threshold level.	Yes

Field	Type	Description	Read-Only
RiskThresholdLevelName	String	The name of the associated risk threshold level.	Yes
RiskThresholdLevelObjectId	ForeignKey	The unique ID of the associated risk threshold level.	No
RiskThresholdName	String	The name of the associated risk threshold.	Yes
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	Yes

RiskMatrix

Description: The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.

Field	Type	Description	Read-Only
Description	String	The description of the risk matrix.	No
ImpactThresholdLevel	Int	The number of levels for the impact thresholds assigned to the risk scoring matrix. This impact level with the probability level determines the size of the matrix.	Yes
IsActive	Boolean	The indication of whether the response plan is currently active for the associated risk. Only one response plan can be active at a given time for a risk.	No
Name	String	The name of the risk matrix.	No
ObjectId	String	The unique ID generated by the system.	No
ProbabilityThresholdLevel	Int	The number of levels for the probability threshold assigned to the risk matrix. This probability level with the impact level determines the size of the matrix.	Yes
RiskScoringMethod	Enum	The calculation method used to determine the risk score. Valid values are 'Highest', 'Average of Impacts', 'Average of Individual Scores'.	No

RiskMatrixScore

Description: The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProbabilityThresholdLevel	Int	The level number of the probability threshold. Valid numbers are 1-9.	No
RiskMatrixName	String	The name of the associated risk matrix.	Yes
RiskMatrixObjectId	ForeignKey	The unique ID of the associated risk matrix.	No
Severity1	Int	The first severity level of the Risk Matrix Score.	No
Severity1Label	String	The label for the first severity level.	No
Severity2	Int	The second severity level of the Risk Matrix Score.	No
Severity2Label	String	The label for the second severity level.	No
Severity3	Int	The third severity level of the Risk Matrix Score.	No
Severity3Label	String	The label for the third severity level.	No
Severity4	Int	The fourth severity level of the Risk Matrix Score.	No
Severity4Label	String	The label for the fourth severity level.	No
Severity5	Int	The fifth severity level of the Risk Matrix Score.	No
Severity5Label	String	The label for the fifth severity level.	No
Severity6	Int	The sixth severity level of the Risk Matrix Score.	No
Severity6Label	String	The label for the sixth severity level.	No
Severity7	Int	The seventh severity level of the Risk Matrix Score.	No
Severity7Label	String	The label for the seventh severity level.	No
Severity8	Int	The eighth severity level of the Risk Matrix Score.	No
Severity8Label	String	The label for the eighth severity level.	No

Field	Type	Description	Read-Only
Severity9	Int	The ninth severity level of the Risk Matrix Score.	No
Severity9Label	String	The label for the ninth severity level.	No

RiskMatrixThreshold

Description: The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
RiskMatrixName	String	The name of the associated risk matrix.	Yes
RiskMatrixObjectId	ForeignKey	The unique ID of the associated risk matrix.	No
RiskThresholdName	String	The name of the associated risk threshold.	Yes
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	No

RiskResponseAction

Description: The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.

Field	Type	Description	Read-Only
ActivityId	String	The short name of the associated activity.	Yes
ActivityName	String	The name of the associated activity.	Yes
ActivityObjectId	ForeignKey	The unique ID of the associated activity.	No
ActualCost	Double	The actual cost.	No
FinishDate	DateTime	The finish date of the risk response action. If an activity is assigned, the risk response action uses the activity finish date.	No

Field	Type	Description	Read-Only
Id	String	The short name of the risk response plan.	No
Name	String	The name of the risk response plan.	No
ObjectId	String	The unique ID generated by the system.	No
PlannedCost	Double	The planned cost.	No
PlannedFinishDate	DateTime	The planned finish date.	No
PlannedStartDate	DateTime	The planned start date.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RemainingCost	Double	The remaining cost associated with the risk response action.	No
ResourceId	String	The short name of the associated resource.	Yes
ResourceName	String	The name of the associated resource.	Yes
ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No
RiskId	String	The short name of the associated risk.	Yes
RiskResponsePlanId	String	The short name of the associated risk response plan.	Yes
RiskResponsePlanName	String	The name of the associated risk response plan.	Yes
RiskResponsePlanObjectId	ForeignKey	The unique ID of the associated risk response plan.	No
Score	Int	The risk score from the numeric PID after the response action has been completed.	Yes
StartDate	DateTime	The start date of the risk response action. If an activity is assigned, the risk response action uses the activity start date.	No
Status	Enum	The status of the risk response action. Valid values are 'Proposed', 'Sanctioned', 'Rejected', 'InProgress', and 'Complete'.	No

RiskResponseActionImpact

Description: The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.

Field	Type	Description	Read-Only
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
RiskId	String	The short name of the associated risk.	Yes
RiskResponseActionId	String	The short name of the associated risk response action.	Yes
RiskResponseActionName	String	The name of the associated risk response action.	Yes
RiskResponseActionObjectId	ForeignKey	The unique ID of the associated risk response action.	No
RiskThresholdLevelCode	String	The short name of the associated risk threshold level.	Yes
RiskThresholdLevelName	String	The name of the associated risk threshold level.	Yes
RiskThresholdLevelObjectId	ForeignKey	The unique ID of the associated risk threshold level.	No
RiskThresholdName	String	The name of the associated risk threshold.	Yes
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	Yes

RiskResponsePlan

Description: The risk response plan object communicates how the project team plans to address the identified risk.

Name	Type	Description	Read-Only
Id	String	The short name of the risk response plan.	No
IsActive	Boolean	The indication of whether the response plan is	No

Name	Type	Description	Read-Only
		currently active for the associated risk. Only one response plan can be active at a given time for a risk.	
Name	String	The name of the risk response plan.	No
ObjectId	String	The unique ID generated by the system.	No
ProjectId	String	The short name of the associated project.	Yes
ProjectObjectId	ForeignKey	The unique ID of the associated project.	Yes
ResponseType	Enum	The risk response plan type. If the risk is a threat, the valid types are 'Avoid', 'Transfer', 'Reduce', and 'Accept'. If the risk is a opportunity, the valid types are 'Exploit', 'Facilitate', 'Enhance', and 'Reject'.	No
RiskId	String	The short name of the associated risk.	Yes
RiskName	String	The name of the associated risk.	Yes
RiskObjectId	ForeignKey	The unique ID of the associated risk.	No

RiskThreshold

Description: The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.

Field	Type	Description	Read-Only
Name	String	The name of the risk threshold.	No
ObjectId	String	The unique ID generated by the system.	No
ThresholdType	Enum	The type of Risk Threshold. Valid types are 'Probability', 'Tolerance', 'Schedule', 'Cost', 'Relative Schedule', 'Relative Cost' and 'User Defined'.	Yes

RiskThresholdLevel

Description: The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.

Field	Type	Description	Read-Only
Code	String	The 10 character code for the threshold level.	No
Color	String	The Hex representation for the color e.g. 0xFFFFFF.	No
CostRange	Double	The cost range of the threshold level.	No
Level	Int	The valid values are between 0 and 9. Defines a level for the Risk Threshold.	No
Name	String	The 40 character name for the threshold level.	No
ObjectId	String	The unique ID generated by the system.	No
ProbabilityRange	Double	The probability range of the threshold level.	No
Range	String	The user defined range.	No
RiskThresholdName	String	The name of the associated risk threshold.	Yes
RiskThresholdObjectId	ForeignKey	The unique ID of the associated risk threshold.	No
ScheduleRange	Double	The schedule range of the threshold level.	No
ThresholdType	Enum	The type of Risk Threshold. Valid types are 'Probability', 'Tolerance', 'Schedule', 'Cost', 'Relative Schedule', 'Relative Cost' and 'User Defined'.	Yes
ToleranceRange	Int	The tolerance range of the threshold level.	No

Role

Description: Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual.

Field	Type	Description	Read-Only
CalculateCostFromUnits	Boolean	The option that indicates whether costs and quantities are linked, and whether quantities should be updated when costs are updated.	No
CreateDate	DateTime	The date this role was created.	Yes

Field	Type	Description	Read-Only
CreateUser	String	The name of the user that created this role.	Yes
Id	String	The short code that uniquely identifies the role.	No
LastUpdateDate	DateTime	The date this role was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this role.	Yes
Name	String	The name of the role.	No
ObjectId	Int	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent role of this role in the hierarchy.	No
Responsibilities	String	The responsibilities for the role.	No
SequenceNumber	Int	The sequence number for sorting.	No

RoleLimit

Description: Role limits define the limits of the maximum work units per time for a Role in a time period.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this resource code was created.	Yes
CreateUser	String	The name of the user that created this resource code.	Yes
EffectiveDate	DateTime	The effective date for the role maximum units per time.	No
LastUpdateDate	DateTime	The date this resource code was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
MaxUnitsPerTime	Double	the maximum work units per time this role can perform on all their assigned activities.	No
ObjectId	String	The unique ID generated by the system.	No
RoleObjectId	ForeignKey	The unique ID of the role.	No

RoleRate

Description: Role rates enable you to select a predefined price per unit for cost calculating when assigning the role to an activity.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this role rate was created.	Yes
CreateUser	String	The name of the user that created this role rate.	Yes
EffectiveDate	DateTime	The effective date for the role price and maximum units per time.	No
LastUpdateDate	DateTime	The date this role rate was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this role rate.	Yes
MaxUnitsPerTime	Double	The maximum work units per time this role can perform on all assigned activities.	No
ObjectId	Int	The unique ID generated by the system.	No
PricePerUnit	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No
PricePerUnit2	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No
PricePerUnit3	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No
PricePerUnit4	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No
PricePerUnit5	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No
RoleId	String	The short code that uniquely identifies the role.	Yes
RoleName	String	The name of the role.	Yes
RoleObjectId	ForeignKey	The unique ID of the associated role.	No

UDFType

Description: User-defined fields (UDFs) enable users to add custom fields and values to the project database.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this user-defined field was created.	Yes
CreateUser	String	The name of the user that created this user-defined field.	Yes
DataType	Enum	The data type of the user-defined field: 'Text', 'Start Date', 'Finish Date', 'Cost', 'Double', 'Integer', 'Indicator', or 'Code'.	No
IsCalculated	Boolean	The flag indicating whether this is a calculated user defined field type.	Yes
IsConditional	Boolean	The flag indicating whether this is a indicator user defined field type.	Yes
IsSecureCode	Boolean	The flag indicating whether this is a secure code type.	No
LastUpdateDate	DateTime	The date this user-defined field was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this user-defined field.	Yes
ObjectId	Int	The unique ID generated by the system.	No
SubjectArea	Enum	The subject area of the user-defined field.	No
Title	String	The name/title of the user-defined field.	No

UnitOfMeasure

Description: The unit of measure provides definitions of units of measure for material resources.

Field	Type	Description	Read-Only
Abbreviation	String	The abbreviation of the unit of measure.	No
CreateDate	DateTime	The date this resource code was created.	Yes
CreateUser	String	The name of the user that created this resource code.	Yes
LastUpdateDate	DateTime	The date this resource code was last	Yes

Field	Type	Description	Read-Only
		updated.	
LastUpdateUser	String	The name of the user that last updated this resource code.	Yes
Name	String	The name of the unit of measure.	No
ObjectId	String	The unique ID generated by the system.	No
SequenceNumber	Int	The sequence number for sorting.	No

WBS

Description: The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.

Field	Type	Description	Read-Only
AnticipatedFinishDate	DateTime	The anticipated finish date of WBS, project and EPS elements.	No
AnticipatedStartDate	DateTime	The anticipated start date of WBS, project and EPS elements.	No
Code	String	The short code assigned to each WBS element for identification.	No
ContainsSummaryData	Boolean	The boolean contains summary data flag of the WBS.	Yes
CreateDate	DateTime	The created date of the WBS.	Yes
CreateUser	String	The user who created the WBS.	Yes
CurrentBudget	Double	The current budget of the WBS.	Yes
CurrentVariance	Double	The current variance of the WBS.	Yes
DistributedCurrentBudget	Double	The distributed current budget of the WBS.	Yes
EarnedValueComputeType	Enum	Indicates earned value compute type of the WBS	No
EarnedValueETCComputeT	Enum	Indicates earned value ETC compute	No

Field	Type	Description	Read-Only
ype		type of the WBS	
EarnedValueETCUserValue	Double	The earned value ETC user value for WBS computing earned value.	No
EarnedValueUserPercent	Double	The earned value user percent for WBS to compute earned value.	No
FinishDate	DateTime	The date finish date of the WBS.	Yes
ForecastFinishDate	DateTime	The date forecast finish date of the WBS.	Yes
ForecastStartDate	DateTime	The date forecast start date of the WBS.	Yes
GUID	String	The GUID of the WBS.	No
IndependentETCLaborUnits	Double	The independent ETC labor units of the WBS.	No
IndependentETCTotalCost	Double	The independent ETC total cost of the WBS.	No
IntegratedType	Enum	Indicates integrated type of the WBS	No
IsBaseline	Boolean	The boolean is baseline flag of the WBS.	Yes
IsTemplate	Boolean	The boolean is template flag of the WBS.	Yes
IsWorkPackage	Boolean	Whether this WBS is a work package.	No
LastUpdateDate	DateTime	The last update date of the WBS.	Yes
LastUpdateUser	String	The last update user of the WBS.	Yes
Name	String	The name of the WBS.	No
ObjectId	Int	The unique ID generated by the system.	No
OBSName	String	The obs name of the WBS.	Yes
OBSObjectId	Int	The obs object id of the WBS.	No
OriginalBudget	Double	The original budget of the project.	No
ParentObjectId	ForeignKey	The unique ID of the parent WBS of this WBS in the hierarchy.	No
ProjectId	String	The project Id of the WBS.	Yes

Field	Type	Description	Read-Only
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
ProposedBudget	Double	The proposed budget of the WBS.	Yes
SequenceNumber	Int	The sequence number of the WBS.	No
StartDate	DateTime	The start date of the WBS.	Yes
Status	Enum	The status of the WBS.	No
SummaryAccountingVarianceByCost	Double	The summary accounting variance by cost of the WBS.	Yes
SummaryAccountingVarianceByLaborUnits	Double	The summary accounting variance by labor units of the WBS.	Yes
SummaryActivityCount	Int	The summary activity count of the WBS.	Yes
SummaryActualDuration	Double	The summary actual duration of the WBS.	Yes
SummaryActualExpenseCost	Double	The summary actual expense costof the WBS.	Yes
SummaryActualFinishDate	DateTime	The summary actual finish date of the WBS.	Yes
SummaryActualLaborCost	Double	The summary actual labor cost of the WBS.	Yes
SummaryActualLaborUnits	Double	The summary actual labor units of the WBS.	Yes
SummaryActualMaterialCost	Double	The summary actual material cost of the WBS.	Yes
SummaryActualNonLaborCost	Double	The summary actual nonlabor cost of the WBS.	Yes
SummaryActualNonLaborUnits	Double	The summary actual nonlabor units of the WBS.	Yes
SummaryActualStartDate	DateTime	The summary actual start date of the WBS.	Yes
SummaryActualThisPeriodCost	Double	The summary actual this period cost of the WBS.	Yes
SummaryActualThisPeriodLaborCost	Double	The summary actual this period labor cost of the WBS.	Yes
SummaryActualThisPeriodL	Doubl	The summary actual this period labor	Yes

Field	Type	Description	Read-Only
aborUnits	e	unit of the WBS.	
SummaryActualThisPeriodMaterialCost	Double	The summary actual this period material cost of the WBS.	Yes
SummaryActualThisPeriodNonLaborCost	Double	The summary actual this period nonlabor cost of the WBS.	Yes
SummaryActualThisPeriodNonLaborUnits	Double	The summary actual this period nonlabor unit of the WBS.	Yes
SummaryActualTotalCost	Double	The summary actual total cost of the WBS.	Yes
SummaryActualValueByCost	Double	The summary actual value by cost of the WBS.	Yes
SummaryActualValueByLaborUnits	Double	The summary actual value by labor units of the WBS.	Yes
SummaryAtCompletionDuration	Double	The summary at completion duration of the WBS.	Yes
SummaryAtCompletionExpenseCost	Double	The summary at completion expense cost of the WBS.	Yes
SummaryAtCompletionLaborCost	Double	The summary at completion labor cost of the WBS.	Yes
SummaryAtCompletionLaborUnits	Double	The summary at completion labor units of the WBS.	Yes
SummaryAtCompletionMaterialCost	Double	The summary at completion material cost of the WBS.	Yes
SummaryAtCompletionNonLaborCost	Double	The summary at completion nonlabor cost of the WBS.	Yes
SummaryAtCompletionNonLaborUnits	Double	The summary at completion nonlabor units of the WBS.	Yes
SummaryAtCompletionTotalCost	Double	The summary at completion total cost of the WBS.	Yes
SummaryAtCompletionTotalCostVariance	Double	The summary at completion total cost variance of the WBS.	Yes
SummaryBaselineCompletedActivityCount	Int	The summary baseline completed activity count of the WBS.	Yes
SummaryBaselineDuration	Double	The summary baseline duration of the WBS.	Yes
SummaryBaselineExpenseC	Doubl	The summary baseline expense cost of	Yes

Field	Type	Description	Read-Only
ost	e	the WBS.	
SummaryBaselineFinishDate	DateTime	The summary baseline finish date of the WBS.	Yes
SummaryBaselineInProgressActivityCount	Int	The summary baseline in progress activity count of the WBS.	Yes
SummaryBaselineLaborCost	Double	The summary baseline labor cost of the WBS.	Yes
SummaryBaselineLaborUnits	Double	The summary baseline labor units of the WBS.	Yes
SummaryBaselineMaterialCost	Double	The summary baseline material cost of the WBS.	Yes
SummaryBaselineNonLaborCost	Double	The summary baseline nonlabor cost of the WBS.	Yes
SummaryBaselineNonLaborUnits	Double	The summary baseline nonlabor Units of the proWBSect.	Yes
SummaryBaselineNotStartedActivityCount	Int	The summary baseline not start activity count of the WBS.	Yes
SummaryBaselineStartDate	DateTime	The summary baseline start date of the WBS.	Yes
SummaryBaselineTotalCost	Double	The summary baseline total cost of the WBS.	Yes
SummaryBudgetAtCompletionByCost	Double	The summary budget at comletion by cost of the WBS.	Yes
SummaryBudgetAtCompletionByLaborUnits	Double	The summary budget at completion by labor units of the WBS.	Yes
SummaryCompletedActivityCount	Int	The summary completed activity count of the WBS.	Yes
SummaryCostPercentComplete	Double	The summary cost percent complete of the WBS.	Yes
SummaryCostPercentOfPlanned	Double	The summary cost percent of planned of the WBS.	Yes
SummaryCostPerformanceIndexByCost	Double	The summary cost performance index by cost of the WBS.	Yes
SummaryCostPerformanceIndexByLaborUnits	Double	The summary cost performance index by labor units of the WBS.	Yes
SummaryCostVarianceByCo	Doubl	The summary cost variance by cost of	Yes

Field	Type	Description	Read-Only
st	e	the WBS.	
SummaryCostVarianceByLaborUnits	Double	The summary cost variance by labor units of the WBS.	Yes
SummaryCostVarianceIndex	Double	The summary cost variance index of the WBS.	Yes
SummaryCostVarianceIndexByCost	Double	The summary cost variance index by cost of the WBS.	Yes
SummaryCostVarianceIndexByLaborUnits	Double	The summary cost variance index by labor unit of the WBS.	Yes
SummaryDurationPercentComplete	Double	The summary duration percent complete of the WBS.	Yes
SummaryDurationPercentOfPlanned	Double	The summary duration percent of planned of the WBS.	Yes
SummaryDurationVariance	Double	The summary duration variance of the WBS.	Yes
SummaryEarnedValueByCost	Double	The summary earned value by cost of the WBS.	Yes
SummaryEarnedValueByLaborUnits	Double	The summary earned value by labor units of the WBS.	Yes
SummaryEstimateAtCompletionByCost	Double	The summary estimate at completion by cost of the WBS.	Yes
SummaryEstimateAtCompletionByLaborUnits	Double	The summary estimate at completion by labor units of the WBS.	Yes
SummaryEstimateAtCompletionHighPercentByLaborUnits	Double	The summary estimate at completion high percent by labor units of the WBS.	Yes
SummaryEstimateAtCompletionLowPercentByLaborUnits	Double	The summary estimate at completion low percent by labor units of the WBS.	Yes
SummaryEstimateToCompleteByCost	Double	The summary estimate to completion by cost of the WBS.	Yes
SummaryEstimateToCompleteByLaborUnits	Double	The summary estimate to completion by labor units of the WBS.	Yes
SummaryExpenseCostPercentComplete	Double	The summary expense cost percent complete of the WBS.	Yes
SummaryExpenseCostVariance	Double	The summary expense cost variance of the WBS.	Yes
SummaryFinishDateVarianc	Doubl	The summary finish date variance of the	Yes

Field	Type	Description	Read-Only
e	e	WBS.	
SummaryInProgressActivityCount	Double	The summary in progress activity count of the WBS.	Yes
SummaryLaborCostPercentComplete	Double	The summary labor cost percent complete of the WBS.	Yes
SummaryLaborCostVariance	Double	The summary labor cost variance of the WBS.	Yes
SummaryLaborUnitsPercentComplete	Double	The summary labor units percent complete of the WBS.	Yes
SummaryLaborUnitsVariance	Double	The summary labor units variance of the WBS.	Yes
SummaryMaterialCostPercentComplete	Double	The summary material cost percent complete of the WBS.	Yes
SummaryMaterialCostVariance	Double	The summary material cost variance of the WBS.	Yes
SummaryNonLaborCostPercentComplete	Double	The summary nonlabor cost percent complete of the WBS.	Yes
SummaryNonLaborCostVariance	Double	The summary nonlabor cost variance of the WBS.	Yes
SummaryNonLaborUnitsPercentComplete	Double	The summary nonlabor units percent complete of the WBS.	Yes
SummaryNonLaborUnitsVariance	Double	The summary nonlabor units variance of the WBS.	Yes
SummaryNotStartedActivityCount	Double	The summary non started activity count of the WBS.	Yes
SummaryPerformancePercentCompleteByCost	Double	The summary performance percent complete by cost of the WBS.	Yes
SummaryPerformancePercentCompleteByLaborUnits	Double	The summary performance percent complete by labor units of the WBS.	Yes
SummaryPlannedCost	Double	The summary planned cost of the WBS.	Yes
SummaryPlannedDuration	Double	The summary planned duration of the WBS.	Yes
SummaryPlannedExpenseCost	Double	The summary planned expense cost of the WBS.	Yes
SummaryPlannedFinishDate	DateTi	The summary planned finish date of the	Yes

Field	Type	Description	Read-Only
	me	WBS.	
SummaryPlannedLaborCost	Double	The summary planned labor cost of the WBS.	Yes
SummaryPlannedLaborUnits	Double	The summary planned labor units of the WBS.	Yes
SummaryPlannedMaterialCost	Double	The summary planned material cost of the WBS.	Yes
SummaryPlannedNonLaborCost	Double	The summary planned non labor cost of the WBS.	Yes
SummaryPlannedNonLaborUnits	Double	The summary planned non labor units of the WBS.	Yes
SummaryPlannedStartDate	DateTime	The summary planned start date of the WBS.	Yes
SummaryPlannedValueByCost	Double	The summary planned value by cost of the WBS.	Yes
SummaryPlannedValueByLaborUnits	Double	The summary planned value by labor units of the WBS.	Yes
SummaryProgressFinishDate	DateTime	The summary progress finish date of the WBS.	Yes
SummaryRemainingDuration	Double	The summary remaining duration of the WBS.	Yes
SummaryRemainingExpenseCost	Double	The summary remaining expense cost of the WBS.	Yes
SummaryRemainingFinishDate	DateTime	The summary remaining finish date of the WBS.	Yes
SummaryRemainingLaborCost	Double	The summary remaining labor cost of the WBS.	Yes
SummaryRemainingLaborUnits	Double	The summary remaining labor units of the WBS.	Yes
SummaryRemainingMaterialCost	Double	The summary remaining material cost of the WBS.	Yes
SummaryRemainingNonLaborCost	Double	The summary remaining non labor cost of the WBS.	Yes
SummaryRemainingNonLaborUnits	Double	The summary remaining non labor units of the WBS.	Yes
SummaryRemainingStartDat	DateTi	The summary remaining start date of the	Yes

Field	Type	Description	Read-Only
e	me	WBS.	
SummaryRemainingTotalCost	Double	The summary remaining total cost of the WBS.	Yes
SummarySchedulePercentComplete	Double	The summary schedule percent complete of the WBS.	Yes
SummarySchedulePercentCompleteByLaborUnits	Double	The summary schedule percent complete by labor units of the WBS.	Yes
SummarySchedulePerformanceIndexByCost	Double	The summary schedule performance index by cost of the WBS.	Yes
SummarySchedulePerformanceIndexByLaborUnits	Double	The summary schedule performance index by labor units of the WBS.	Yes
SummaryScheduleVarianceByCost	Double	The summary schedule variance by cost of the WBS.	Yes
SummaryScheduleVarianceByLaborUnits	Double	The summary schedule variance by labor units of the WBS.	Yes
SummaryScheduleVarianceIndex	Double	The summary schedule variance index of the WBS.	Yes
SummaryScheduleVarianceIndexByCost	Double	The summary schedule variance index by cost of the WBS.	Yes
SummaryScheduleVarianceIndexByLaborUnits	Double	The summary schedule variance index by labor units of the WBS.	Yes
SummaryStartDateVariance	Double	The summary start date variance of the WBS.	Yes
SummaryToCompletePerformanceIndexByCost	Double	The summary to complete performance index by costof the WBS.	Yes
SummaryTotalCostVariance	Double	The summary total cost variance of the WBS.	Yes
SummaryTotalFloat	Double	The summary total float of the WBS.	Yes
SummaryUnitsPercentComplete	Double	The summary units percent complete of the WBS.	Yes
SummaryVarianceAtCompletionByLaborUnits	Double	The summary variance at completion by labor units of the WBS.	Yes
TotalBenefitPlan	Double	The total benefit plan of the WBS.	Yes
TotalBenefitPlanTally	Doubl	The total benefitplantally of the WBS.	Yes

Field	Type	Description	Read-Only
	e		
TotalSpendingPlan	Double	The total spending plan of the WBS.	Yes
TotalSpendingPlanTally	Double	The total spending plantally of the WBS.	Yes
UnallocatedBudget	Double	The unallocated budget of the WBS.	Yes
UndistributedCurrentVariance	Double	The undistributed current variance of the WBS.	Yes
WBSCategoryObjectId	ForeignKey	The unique wbs category objectIdof the WBS.	No
WBSMilestonePercentComplete	Double	The wbs milestone percent complete of the WBS.	Yes

WBSCategory

Description: As their name implies, WBS categories are used to categorize WBS elements. They are defined globally.

Field	Type	Description	Read-Only
CreateDate	DateTime	The date this WBS Category was created.	Yes
CreateUser	String	The name of the user that created this WBS Category.	Yes
LastUpdateDate	DateTime	The date this WBS Category was last updated.	Yes
LastUpdateUser	String	The name of the user that last updated this WBS Category.	Yes
Name	String	The name of the WBS Category.	No
ObjectId	Int	The unique ID generated by the system.	No
SequenceNumber	Int	The sequence number of the WBS Category.	No

WBSExpenseSpread

Description: Expense spread data per WBS per ExpenseCategory.

Field	Type	Description	Read-Only
ActualCost	Double	Actual cost	No
AtCompletionCost	Double	At completion cost	No
EndDate	DateTime	Spread end date.	No
ExpenseCategoryName	String	ExpenseCategory name.	No
ExpenseCategoryObjectId	ForeignKey	The unique ID of ExpenseCategory.	No
ObjectId	String	The unique ID generated by the system.	No
PeriodType	String	The type of period for summarized spread data.	No
PlannedCost	Double	Planned cost	No
RemainingCost	Double	Remaining cost	No
StartDate	DateTime	Spread start date.	No
WBSCode	String	WBS Code.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

WBSResourceSpread

Description: Spread data per WBS per Resource.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost	No
ActualOvertimeCost	Double	Actual Overtime Cost	No
ActualOvertimeUnits	Double	Actual Overtime Units	No
ActualRegularCost	Double	Actual Regular Cost	No
ActualRegularUnits	Double	Actual Regular Units	No
ActualUnits	Double	Actual Units	No
AtCompletionCost	Double	At Completion Cost	No
AtCompletionUnits	Double	At Completion Units	No
EndDate	DateTime	Spread end date.	No

Field	Type	Description	Read-Only
Limit	Double	Limit	No
ObjectId	String	The unique ID generated by the system.	No
PeriodActualCost	Double	Period Actual Cost	No
PeriodActualUnits	Double	Period Actual Units	No
PeriodAtCompletionCost	Double	Period At Completion Cost	No
PeriodAtCompletionUnits	Double	Period At Completion Units	No
PeriodType	String	The type of period for summarized spread data.	No
PlannedCost	Double	Planned Cost	No
PlannedUnits	Double	Planned Units	No
ProjectId	String	Project short name.	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No
RemainingCost	Double	Remaining Cost	No
RemainingLateCost	Double	Remaining Late Cost	No
RemainingLateUnits	Double	Remaining Late Units	No
RemainingUnits	Double	Remaining Units	No
ResourceId	String	Resource short name.	No
ResourceObjectId	ForeignKey	The unique ID of Resource.	No
RoleId	String	Role short name.	No
RoleObjectId	ForeignKey	The unique ID of Role.	No
StaffedActualCost	Double	Staffed Actual Cost	No
StaffedActualOvertimeCost	Double	Staffed Actual Overtime Cost	No
StaffedActualOvertimeUnits	Double	Staffed Actual Overtime Units	No
StaffedActualRegularCost	Double	Staffed Actual Regular Cost	No
StaffedActualRegularUnits	Double	Staffed Actual Regular Units	No
StaffedActualUnits	Double	Staffed Actual Units	No
StaffedAtCompletionCost	Double	Staffed At Completion Cost	No

Field	Type	Description	Read-Only
StaffedAtCompletionUnits	Double	Staffed At Completion Units	No
StaffedPlannedCost	Double	Staffed Planned Cost	No
StaffedPlannedUnits	Double	Staffed Planned Units	No
StaffedRemainingCost	Double	Staffed Remaining Cost	No
StaffedRemainingLateCost	Double	Staffed Remaining Late Cost	No
StaffedRemainingLateUnits	Double	Staffed Remaining Late Units	No
StaffedRemainingUnits	Double	Staffed Remaining Units	No
StartDate	DateTime	Spread start date.	No
WBSCode	String	WBS Code.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

WBSSpread

Description: Summarized spread data per WBS.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost.	No
ActualExpenseCost	Double	Actual Expense Cost.	No
ActualLaborCost	Double	Actual Labor Cost.	No
ActualLaborUnits	Double	Actual Labor Units.	No
ActualMaterialCost	Double	Actual Material Cost.	No
ActualNonlaborCost	Double	Actual Nonlabor Cost.	No
ActualNonlaborUnits	Double	Actual Nonlabor Units.	No
ActualTotalCost	Double	Actual Total Cost.	No
AtCompletionExpenseCost	Double	At Completion Expense Cost.	No
AtCompletionLaborCost	Double	At Completion Labor Cost.	No
AtCompletionLaborUnits	Double	At Completion Labor Units.	No
AtCompletionMaterialCost	Double	At Completion Material Cost.	No
AtCompletionNonlaborCost	Double	At Completion Nonlabor Cost.	No
AtCompletionNonlaborUnits	Double	At Completion Nonlabor Units.	No

Field	Type	Description	Read-Only
AtCompletionTotalCost	Double	At Completion Total Cost.	No
BaselinePlannedExpenseCost	Double	Baseline Planned Expense Cost.	No
BaselinePlannedLaborCost	Double	Baseline Planned Labor Cost.	No
BaselinePlannedLaborUnits	Double	Baseline Planned Labor Units.	No
BaselinePlannedMaterialCost	Double	Baseline Planned Material Cost.	No
BaselinePlannedNonlaborCost	Double	Baseline Planned Nonlabor Cost.	No
BaselinePlannedNonlaborUnits	Double	Baseline Planned Nonlabor Units.	No
BaselinePlannedTotalCost	Double	Baseline Planned Total Cost.	No
EarnedValueCost	Double	Earned Value Cost.	No
EarnedValueLaborUnits	Double	Earned Value Labor Units.	No
EndDate	DateTime	Spread end date.	No
EstimateAtCompletionCost	Double	Estimate At Completion Cost.	No
EstimateAtCompletionLaborUnits	Double	Estimate At Completion Labor Units.	No
EstimateToCompleteCost	Double	Estimate To Complete Cost.	No
EstimateToCompleteLaborUnits	Double	Estimate To Complete Labor Units.	No
ObjectId	String	The unique ID generated by the system.	No
PeriodActualCost	Double	Period Actual Cost.	No
PeriodActualExpenseCost	Double	Period Actual Expense Cost.	No
PeriodActualLaborCost	Double	Period Actual Labor Cost.	No
PeriodActualLaborUnits	Double	Period Actual Labor Units.	No
PeriodActualMaterialCost	Double	Period Actual Material Cost.	No
PeriodActualNonLaborCost	Double	Period Actual NonLabor Cost.	No
PeriodActualNonLaborUnits	Double	Period Actual NonLabor Units.	No
PeriodAtCompletionExpenseCost	Double	Period At Completion Expense Cost.	No
PeriodAtCompletionLaborCost	Double	Period At Completion Labor Cost.	No

Field	Type	Description	Read-Only
PeriodAtCompletionLaborUnits	Double	Period At Completion Labor Units.	No
PeriodAtCompletionMaterialCost	Double	Period At Completion Material Cost.	No
PeriodAtCompletionNonLaborCost	Double	Period At Completion NonLabor Cost.	No
PeriodAtCompletionNonLaborUnits	Double	Period At Completion NonLabor Units.	No
PeriodAtCompletionTotalCost	Double	Period At Completion Total Cost.	No
PeriodEarnedValueCost	Double	Period Earned Value Cost.	No
PeriodEarnedValueLaborUnits	Double	Period Earned Value Labor Units.	No
PeriodEstimateAtCompletionCost	Double	Period Estimate At Completion Cost.	No
PeriodEstimateAtCompletionLaborUnits	Double	Period Estimate At Completion Labor Units.	No
PeriodPlannedValueCost	Double	Period Planned Value Cost.	No
PeriodPlannedValueLaborUnits	Double	Period Planned Value Labor Units.	No
PeriodType	String	The type of period for summarized spread data.	No
PlannedExpenseCost	Double	Planned Expense Cost.	No
PlannedLaborCost	Double	Planned Labor Cost.	No
PlannedLaborUnits	Double	Planned Labor Units.	No
PlannedMaterialCost	Double	Planned Material Cost.	No
PlannedNonlaborCost	Double	Planned Nonlabor Cost.	No
PlannedNonlaborUnits	Double	Planned Nonlabor Units.	No
PlannedTotalCost	Double	Planned Total Cost.	No
PlannedValueCost	Double	Planned Value Cost.	No
PlannedValueLaborUnits	Double	Planned Value Labor Units.	No
ProjectId	String	Project short name.	No
ProjectObjectId	ForeignKey	The unique ID of Project.	No

Field	Type	Description	Read-Only
RemainingExpenseCost	Double	Remaining Expense Cost.	No
RemainingLaborCost	Double	Remaining Labor Cost.	No
RemainingLaborUnits	Double	Remaining Labor Units.	No
RemainingLateExpenseCost	Double	Remaining Late Expense Cost.	No
RemainingLateLaborCost	Double	Remaining Late Labor Cost.	No
RemainingLateLaborUnits	Double	Remaining Late Labor Units.	No
RemainingLateMaterialCost	Double	Remaining Late Material Cost.	No
RemainingLateNonlaborCost	Double	Remaining Late Nonlabor Cost.	No
RemainingLateNonlaborUnits	Double	Remaining Late Nonlabor Units.	No
RemainingLateTotalCost	Double	Remaining Late Total Cost.	No
RemainingMaterialCost	Double	Remaining Material Cost.	No
RemainingNonlaborCost	Double	Remaining Nonlabor Cost.	No
RemainingNonlaborUnits	Double	Remaining Nonlabor Units.	No
RemainingTotalCost	Double	Remaining Total Cost.	No
StartDate	DateTime	Spread start date.	No
WBSCode	String	WBS Code.	No
WBSObjectId	ForeignKey	The unique ID of WBS.	No

Primavera Cloud Business Objects List

The following Primavera Cloud business objects are available in the **Data Dictionary** menu of the Gateway user interface. Select a specific business object to review a detailed list of fields supported for that business object.

Business Object	Description
Activity	An activity is a unit of work performed during the course of a project.
ActivityCode	Activity codes are user-defined codes to classify and categorize activities across the enterprise.
ActivityCodeType	Activity code types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities across the enterprise.
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 resource types.
CBSSegment	CBS Segment Fields
CBSTemplate	CBS Template Fields
CBSTemplateCode	CBS TemplateCode Fields
CostCategory	CostCategory Fields
CostSheetWorkspaceTotalCostRow	CostSheetWorkspaceTotalCostRow
CostSheetWorkspaceTotalItem	CostSheetWorkspaceTotalItem
Currency	Currencies are the monetary units used to store costs for all projects in the database.
EPS	To use this object, please contact support. This object will be removed in a future release.
ExchangeRate	ExchangeRate Fields
Location	The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.
Project	A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually

Business Object	Description
	contain a work breakdown structure (WBS) and activities.
ProjectBudget	ProjectBudget Fields
ProjectBudgetChange	ProjectBudgetChange Fields
ProjectBudgetTransfer	ProjectBudgetTransfer Fields
ProjectCode	Project codes are user-defined codes to classify and categorize projects across the enterprise.
ProjectCodeType	Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.
Relationship	A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.
Resource	Resources include labor, nonlabor, and materials that are used for activities across all projects.
ResourceAssignment	Resource assignments track the work of resources or roles that are performing various activities.
ResourceCode	Resource codes are user-defined codes to classify and categorize resources across the enterprise.
ResourceCodeType	Resource code types provide a way of classifying Resource codes. Resource codes are user defined codes to classify and categorize resources across the enterprise
ResourceRate	Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.
ResourceRoleAssignment	ResourceRoleAssignment Fields
Risk	The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.
RiskImpact	The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.

Business Object	Description
RiskMatrix	The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.
RiskMatrixScore	The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.
RiskMatrixThreshold	The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.
RiskOverrideCost	The risk override object allows for cost overrides on a risk.
RiskOverrideOther	The risk override object allows for Probability and Schedule overrides on a risk.
RiskResponseAction	The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.
RiskResponseActionImpact	The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.
RiskResponsePlan	The risk response plan object communicates how the project team plans to address the identified risk.
RiskThreshold	The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.
RiskThresholdLevel	The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.
Role	Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual
RoleRate	Role rates provide a way to specify multiple role prices and maximum units per time values that vary over time.
UDFType	User-defined fields (UDFs) enable users to add custom fields and values to the project database.

Business Object	Description
UnitOfMeasure	UnitOfMeasure Fields
WBS	The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.
WBSSpread	Project phase/curve/spread data for the project cash flow.
WorkManagerTask	Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.
Workspace	The workspace object contains the information on the workspace hierarchy.

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Activity

Description: An activity is a unit of work performed during the course of a project.

Field	Type	Description	Read-Only
activityCode	String	The project activity code assigned to the activity.	No
activityId	String	The unique ID generated by the system.	No
activityName	String	The name of the activity.	No
activityPercentComplete	Double	The percent of the activity that has been completed. The value is based on the formula for the selected percent complete type. The percent complete type can be Physical, Duration, or Units.	No
activityPriority	Enum	Determines the priority of the activity when performing role leveling.	No
activityStatus	Enum	Determines the status of the activity. Valid values are Not Started, In Progress, and Completed.	No
activityType	Enum	The type of activity. Valid values are Task Dependent, Resource Dependent, Level of Effort, Start Milestone, and Finish Milestone.	No
activityWorkManagerTaskDateStatus	String	The activity task date status associated to the activity.	Yes
activityWorkManagerTaskStatus	String	The activity task status associated to the activity.	Yes
activityWorkManagerTaskStatusIndicator	String	The activity task indicator associated to the activity.	Yes
actualDuration	Double	The activity actual duration percent of	Yes

Field	Type	Description	Read-Only
		planned. Computed as actual duration / BL duration * 100. The value can exceed 100. The BL duration is the activity's at completion duration from the project baseline.	
actualFinishDate	DateTime	The date when the activity was completed.	No
actualLaborCost	Double	The actual costs for all labor resources assigned to the activity (Base Currency).	Yes
actualLaborCostProject	Double	The actual costs for all labor resources assigned to the activity (Project Currency).	Yes
actualLaborUnits	Double	The number of units expended for all labor resources assigned to the activity.	No
actualMaterialCost	Double	The actual costs for all material resource assignments on the activity in base currency.	Yes
actualMaterialCostProject	Double	The actual costs for all material resource assignments on the activity in project currency.	Yes
actualNonLaborCost	Double	The actual costs for all nonlabor resource assignments on the activity (Base Currency).	Yes
actualNonLaborCostProject	Double	The actual costs for all nonlabor resource assignments on the activity in project currency.	Yes
actualNonLaborUnits	Double	The number of nonlabor units that have been expended on the activity.	No
actualStartDate	DateTime	The date work on the activity began.	No
actualThisPeriodLaborCost	Double	ActualThisPeriodLaborCost	No
actualThisPeriodMaterialCost	Double	The material costs incurred during a financial period.	Yes
actualThisPeriodNonLaborCost	Double	The nonlabor costs incurred during a financial period.	Yes
actualTotalCost	Double	The actual total cost for all resource assignments and direct activity costs	Yes

Field	Type	Description	Read-Only
		(expenses) on the activity in base currency.	
actualTotalCostProject	Double	The actual total cost for all resource assignments and direct activity costs (expenses) on the activity in project currency.	Yes
atCompletionBudgetLaborUnits	Double	AtCompletionBudgetLaborUnits	Yes
atCompletionCostVariance	Double	The difference between the baseline total cost and the current estimate of total cost.	Yes
atCompletionDuration	Double	The total working time from the activity's current start date to the current finish date.	Yes
atCompletionLaborCost	Double	The sum of the actual costs plus remaining costs for all labor resource assignments on the activity in base currency.	Yes
atCompletionLaborCostProject	Double	The sum of the actual costs plus remaining costs for all labor resource assignments on the activity in project currency.	Yes
atCompletionLaborUnits	Double	The sum of the actual plus remaining units for all labor resources assigned to the activity. It is the same as the planned labor units if the activity is not started, and the actual labor units after the activity is completed.	No
atCompletionMaterialCost	Double	The sum of the actual costs plus remaining costs for all material resource assignments on the activity in base currency.	Yes
atCompletionMaterialCostProject	Double	The sum of the actual costs plus remaining costs for all material resource assignments on the activity in project currency.	Yes
atCompletionNonLaborCost	Double	The sum of the actual costs plus remaining costs for all nonlabor resource assignments on the activity in base currency.	Yes

Field	Type	Description	Read-Only
atCompletionNonLaborCostProject	Double	The sum of the actual costs plus remaining costs for all nonlabor resource assignments on the activity in project currency.	Yes
atCompletionNonLaborUnits	Double	The sum of the actual plus remaining units for all nonlabor resources assigned to the activity. It is the same as the planned nonlabor units if the activity is not started, and the actual nonlabor units once the activity is completed.	No
atCompletionTotalCost	Double	The sum of the actual costs plus remaining costs for all resource assignments and direct activity costs (expenses) on the activity in base currency.	Yes
atCompletionTotalCostProject	Double	The sum of the actual costs plus remaining costs for all resource assignments and direct activity costs (expenses) on the activity in project currency.	Yes
budgetAtCompletion	Double	The planned total cost through activity completion.	Yes
calendarCode	String	The unique code of the calendar.	Yes
calendarId	Foreign Key	The calendar assigned to the activity.	No
calendarName	String	The name of the calendar.	Yes
completedWeight	Double	CompletedWeight	Yes
constraintDate	DateTime	The constraint date for the activity, if the activity has a constraint.	No
constraintType	Enum	The main restriction impacting the activity start or finish date.	No
costVarianceLaborUnits	Double	CostVarianceLaborUnits	Yes
critical	Boolean	Designates an activity as critical. An activity is defined as critical based upon the project settings configured for the project.	Yes
distributionShape	Enum	DistributionShape of the activity	No

Field	Type	Description	Read-Only
drivingPath	Boolean	The sequence of project activities from start to finish where the total duration is longer than any other path.	Yes
durationPercentComplete	Double	The duration percent complete for the activity. Calculated as planned duration minus remaining duration divided by planned duration multiplied by 100.	Yes
durationPercentOfPlanned	Double	The actual duration percent of planned duration for the activity. Calculated as actual duration divided by BL duration multiplied by 100.	Yes
durationType	Enum	Determines how remaining duration, units, and units/time are calculated when you update an activity that has resources assigned. The valid values are Fixed Units/Time, Fixed Units, Fixed Duration & Units, and Fixed Duration & Units/Time.	No
earlyFinishDate	DateTime	The earliest possible date the activity can finish. This date is calculated based on network logic, schedule constraints, and resource availability.	No
earlyStartDate	DateTime	The earliest possible date the remaining work for the activity can begin. This date is calculated based on network logic, schedule constraints, and resource availability.	No
earnedValueCost	Double	The portion of the baseline total cost of the activity that is actually completed as of the project data date.	Yes
earnedValueLaborUnits	Double	EarnedValueLaborUnits	Yes
estimateAtCompletionCost	Double	Calculated as ETC Cost plus Actual Cost to Date.	Yes
estimateToCompletionCost	Double		Yes
existenceProbability	Double	Signifies the probability that a particular activity occurs (exists) in a given project. For example, an activity that may or may not have to be done depending on the circumstances.	No

Field	Type	Description	Read-Only
expectedFinishDate	DateTime	The date on which you anticipate work on the activity will finish.	No
finishDate	DateTime	The current finish date for the activity.	No
freeFloat	Double	The amount of time the activity can be delayed before delaying the start date of any successor activity.	Yes
isWorkPackage	Boolean	Whether this WBS is a work package.	No
laborUnitsCompletePercent	Double	The percent complete of units for all labor resources for the activity. Calculated as actual labor units divided by at completion labor unit multiplied by 100.	Yes
lateFinishDate	DateTime	The latest possible date the activity can finish without delaying the project finish date. This date is calculated based on activity relationships, schedule constraints, and resource availability.	No
lateStartDate	DateTime	The latest possible date the remaining work for the activity can begin without delaying the project finish date. This date is calculated based on activity relationships, schedule constraints, and resource availability.	No
locationId	Foreign Key	The physical location associated with the activity.	No
materialCostPercentComplete	Double	MaterialCostPercentComplete	No
maximumRemainingDuration	Double	The maximum remaining duration of the activity.	Yes
minimumRemainingDuration	Double	The minimum remaining duration of the activity.	Yes
monteCarloScenario	Enum	The Risk Analysis scenario	Yes
mostLikelyRemainingDuration	Double	The most likely remaining duration of the activity.	Yes
nonLaborUnitsCompletePercent	Double	The percent complete of units for all nonlabor resources for the activity. Calculated as actual nonlabor units divided by at completion nonlabor unit	Yes

Field	Type	Description	Read-Only
		multiplied by 100.	
ownerId	Int	The user responsible for the activity.	No
parentActivityId	Foreign Key	The ID of the summary activity to which the activity belongs, if summary activities are used.	No
percentCompleteType	Enum	The activity percent complete type: 'Physical','Duration','Units', or 'Scope'.	No
percentCompleteWeightedBy	Enum	PercentCompleteWeightedBy of the activity	No
physicalPercentComplete	Double	The activity percent complete, manually entered by a user.	No
plannedDuration	String	The expected amount of time required to complete an activity. The planned working time is calculated using the activity's calendar. The duration is measured from the activity's planned start date to its planned finish date.	Yes
plannedFinishDate	DateTime	The date the activity is scheduled to finish. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
plannedLaborCost	Double	The planned cost for all labor resources assigned to the activity in base currency.	Yes
plannedLaborCostProject	Double	The planned cost for all labor resources assigned to the activity in base currency.	No
plannedLaborUnits	Double	The planned number of units for all labor resources assigned to the activity.	Yes
plannedNonLaborCost	Double	PlannedNonLaborCost	No
plannedNonLaborCostProject	Double	The planned cost for all nonlabor resources assigned to the activity in project currency.	No
plannedMaterialCost	Double	The planned cost for all material resources assigned to the activity in base currency.	Yes

Field	Type	Description	Read-Only
plannedMaterialCostProject	Double	The planned cost for all material resources assigned to the activity in project currency.	No
plannedNonLaborUnits	Double	The planned units for all nonlabor resources assigned to the activities in the project.	Yes
plannedStartDate	DateTime	The date the activity is scheduled to begin. This date is computed by the project scheduler but can be updated manually by the project manager. This date is not changed by the project scheduler after the activity has been started.	No
plannedTotalCost	Double	The expected total cost of the activity and includes all resources and direct activity costs (expenses) in base currency.	Yes
plannedTotalCostProject	Double	The expected total cost of the activity and includes all resources and direct activity costs (expenses) in project currency.	Yes
plannedValueCost	Double	PlannedValueCost	Yes
postPessimisticFinishDate	DateTime	The post pessimistic finish date for the activity.	Yes
postPessimisticStartDate	DateTime	The post pessimistic start date for the activity.	Yes
postResponseCriticalityIndex	Double	During the Post-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task was on the critical path during the analysis.	Yes
prePessimisticFinishDate	DateTime	The pre pessimistic finish date for the activity.	Yes
prePessimisticStartDate	DateTime	The pre pessimistic start date for the activity.	Yes
preResponseCriticalityIndex	Double	During the Pre-Response risk analysis, tasks can join or leave the critical path. The criticality index expresses as a percentage, how often a particular task	Yes

Field	Type	Description	Read-Only
		was on the critical path during the analysis.	
primaryResourceId	Int	The user designated as the primary resource for the activity.	Yes
projectCode	String	The short name of the associated project.	Yes
projectId	Foreign Key	The unique identifier of the project to which the activity was added.	No
recordCount	Int	The number of activities added to the project.	Yes
remainingDuration	Double	The total working time from the activity remaining start date to the remaining finish date.	No
remainingFinishDate	DateTime	The date the remaining work for the activity is scheduled to finish. If this activity is not started, this date is the planned finish. This date can be updated manually by the user, but it is overwritten when you schedule the project.	No
remainingFloat	Double	The amount of time remaining in which the activity can be delayed before delaying the project finish date. Calculated as late finish minus remaining finish.	Yes
remainingLaborCost	Double	The remaining cost for all labor resource assignments on the activity in base currency.	Yes
remainingLaborCostProject	Double	The remaining cost for all labor resource assignments on the activity in project currency.	Yes
remainingLaborUnits	Double	The remaining units for all labor resources assigned to the activity. The remaining labor units reflect the work remaining to be done for the activity. Before the activity is started, the remaining units are the same as the planned units.	No
remainingLateFinishDate	DateTime	The latest possible date the activity must finish without delaying the project	Yes

Field	Type	Description	Read-Only
		finish date. This date is calculated by the project scheduler based on activity relationships, schedule constraints, and resource availability.	
remainingLateStartDate	DateTime	The latest possible date the remaining work for the activity must begin without delaying the project finish date. This date is calculated by the project scheduler based on activity relationship, schedule constraints, and resource availability.	Yes
remainingMaterialCost	Double	The remaining cost for all material resource assignments on the activity in base currency.	Yes
remainingMaterialCostProject	Double	The remaining cost for all material resource assignments on the activity in project currency.	Yes
remainingNonLaborCost	Double	The planned cost for all nonlabor resources assigned to the activity in base currency.	No
remainingNonLaborCostProject	Double	The planned cost for all nonlabor resources assigned to the activity in project currency.	No
remainingNonLaborUnits	Double	The remaining units for all nonlabor resources assigned to the activity. The remaining units reflect the work remaining to be done for the activity. Before the activity is started, the remaining units are the same as the planned units.	No
remainingStartDate	DateTime	The date the remaining work for the activity is scheduled to begin. This date can be updated manually by the user. Before the activity is started, this date is the same as the planned start.	No
remainingTotalCost	Double	The remaining cost for all resource assignments and direct activity costs (expenses) on the activity in base currency.	Yes
remainingTotalCostProject	Double	The remaining cost for all resource assignments and direct activity costs	Yes

Field	Type	Description	Read-Only
		(expenses) on the activity in project currency.	
resumeDate	DateTime	The date when a suspended task or activity is resumed.	No
scheduleCostVariance	Double	The measure of schedule performance on a project.	Yes
schedulePercentComplete	Double	The activity schedule percent complete, which specifies how much of the activity's project baseline duration is complete so far. Calculated based on where the current data date falls relative to the activity's project baseline start and finish dates.	Yes
schedulePerfIndexLaborUnits	Double	The ratio of the earned value of labor units to the planned value of labor units. Calculated as earned value units divided by planned value units.	Yes
scheduleVarIndexLaborUnits	Double	The ratio of the schedule variance labor units and the planned value labor units. Calculated as schedule variance labor units divided by planned value labor units.	Yes
scopePercentComplete	Double	The percentage completion of the scope items linked to the activitiy. It is calculated as the sum of the quantity completed weight for the scope items assigned to the activity divided by the total revised quantity for the scope items.	Yes
secondaryConstraintDate	DateTime	The date for the activity's secondary constraint, if the activity has a secondary constraint.	No
secondaryConstraintType	Enum	The secondary restriction impacting the activity start or finish date.	No
sequenceNumber	Int	The number that specifies the position of the activity relative to others within the view.	No
startDate	DateTime	The current start date for the activity.	No
suspendDate	DateTim	The date work has temporarily stopped	No

Field	Type	Description	Read-Only
	e	on a given activity.	
totalFloat	Double	The amount of time the activity can be delayed before delaying the project finish date. Calculated as late start minus early start of as late finish minus early finish.	Yes
unitsPercentComplete	Double	The percent complete of units for all labor and nonlabor resources assigned to the activity. Calculated as actual units divided by at completion units multiplied by 100.	Yes
varCost	Double	VarCost	Yes
wbsCode	String	The short code assigned to each WBS element for identification. Each WBS element is uniquely identified by concatenating its own code together with its parents' codes.	Yes
wbsId	Foreign Key	The WBS that the activity is associated with.	No
weight	Double	The importance of the activity in relation to other activities.	Yes
workPackageCode	String	The unique code of the work package that the activity is associated with.	No
workPackageId	Int	The unique identifier for the work package that the activity is associated with.	No
workPackageName	String	The name of the work package that the activity is associated with.	Yes

ActivityCode

Description: Activity codes are user-defined codes to classify and categorize activities across the enterprise.

Field	Type	Description	Read-Only
codeTypeId	ForeignKey	The unique ID of the activity code type.	No
codeTypeName	String	The name of the activity code type.	No

Field	Type	Description	Read-Only
codeValueCode	String	The value of the activity code.	No
codeValueId	String	The unique ID generated by the system.	No
codeValueName	String	The name of the activity code.	No
description	String	The description of the activity code.	No
parentId	ForeignKey	The unique ID of the parent activity code	No
sequenceNumber	Integer	The sequence number for sorting.	No

ActivityCodeType

Description: Activity code types provide a way of classifying activity codes. Activity codes are user-defined codes to classify and categorize activities across the enterprise.

Field	Type	Description	Read-Only
codeTypeCode	String	The code of the activity code type.	No
codeTypeId	String	The unique ID generated by the system.	No
codeTypeName	String	The name of the activity code type	No
length	Int	The maximum number of characters allowed for values of this activity code.	No
projectId	ForeignKey	The unique id of project if the activity code type is at project level.	No
scope	String	The scope of activity code type.	No

ActivityRisk

Description: The activity risk object stores the relationship between a single Activity and a single Risk.

Field	Type	Description	Read-Only
activityCode	String	The short name of the associated activity.	Yes

Field	Type	Description	Read-Only
activityId	ForeignKey	The unique ID of the associated activity.	No
activityRiskId	String	The unique ID generated by the system.	No
projectCode	String	The short name of the associated project.	Yes
projectRiskId	ForeignKey	The unique ID of the associated risk.	No
riskCode	String	The short name of the associated risk.	Yes
riskName	String	The name of the associated risk.	Yes

Calendar

Description: Calendars defined the available work hours in each calendar day, and includes global and resource types.

Name	Type	Description	ReadOnly
associationType	Enum	The type of association in the relationship between the calendar and the workspace. Possible values are Owned or Inherited.	Yes
calendarCode	String	The unique code for the calendar.	No
calendarExceptions	HolidayOrExceptions	All dates with holidays or exceptions in this calendar.	No
calendarId	String	The unique ID generated by the system.	No
calendarName	String	The name of the calendar.	No
dayHourCount	Double	The hours per day for the time period.	No
isAssignableToProject	Boolean	Indicates whether or not the calendar can be assigned to a project.	No
isAssignableToResource	Boolean	Indicates whether or not the calendar can be assigned to a resource.	No
monthHourCount	Double	The hours per month for the time period.	No

pushDownType	Enum	Specifies how a workspace calendar is shared across child workspaces.	No
standardWorkWeek	StandardWorkWeek	The standard detailed work hours for each day of the week for this calendar.	No
type	Enum	The calendar type - either 'Global' or 'Resource'.	No
weekHourCount	Double	The hours per week for the time period.	No
yearHourCount	Double	The hours per year for the time period.	No

CBSSheet

Description: CBS Sheet fields.

Field	Type	Description	Read-Only
cbsSheetId	String	The unique ID generated by the system.	No
cbsSheetName	String	The name of the cost sheet.	No
copiedFromId	String	The unique identifier of the CBS sheet that was copied.	No
projectCode	String	The user-specified unique identifier of the project.	No
projectId	ForeignKey	The unique identifier for the project.	No
templateId	ForeignKey	The unique identifier for the CBS template.	No
templateName	String	The name of the CBS template.	No

CBSSheetCode

Description: CBS Sheet Code fields.

Field	Type	Description	Read-Only
cbsCode	String	The CBS code that is concatenated with its parent and child according to the segment definition.	No

Field	Type	Description	Read-Only
cbsSheetCodeId	String	The unique ID generated by the system.	No
copiedFromId	String	The unique identifier for the original Id.	No
costSheetId	String	The unique identifier of a cost sheet.	Yes
costType	String	The category of the cost breakdown structure code. Valid values are: 'EXPENSE', 'CAPITAL', 'NONE'.	No
description	String	The name of the CBS code.	No
isActive	String	The active field indicates whether the CBS code is active.	No
isTotalRow	String	Indicates this item represents the total cost of the project.	No
parentId	Foreign Key	The system-generated identifier of a parent cost item in a cost sheet.	Yes
projectCode	String	The user-specified identifier of a project.	Yes
projectId	Foreign Key	The unique identifier for the project.	No
sequenceNumber	String	Number that specifies the position of the cost sheet item.	No
sourceId	String	The unique identifier of cost sheet item data in an external source.	No
workspaceCode	String	The user-specified identifier of a workspace.	Yes
workspaceId	String	The system-generated identifier of a workspace.	Yes

CBSSheetRow

Description: CBS Sheet Row fields

Field	Type	Description	Read-Only
actualHoursToDate	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	No

Field	Type	Description	Read-Only
approvedChangedHours	Double	The sum of all approved change hours in the change and transfer records for the scope assignment.	No
atCompletionHours	Double	The total hours expected for the scope assignment.	No
bacHours	Double	The Revised Hours or At Completion Hours at the time the current baseline was set, depending on the selection for the Budget At Completion Method.	No
baselineHours	Double	The Revised Hours at the time the baseline was set.	No
cbsSheetCodeId	String	The unique ID generated by the system.	No
eacHours	Double	Calculated as ETC Hours plus Actual Hours to Date. This is the cumulative value for all objects in the project with the same CBS code.	No
earnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	No
etcAdjustedHours	Double	The amount of scope assignment work that is not yet accounted for.	No
etcHours	Double	The estimated number of hours needed to complete the work.	No
installedHours	Double	Hours spent on the scope assignment.	No
pendingChangedHours	Double	Calculated as the sum of all pending hour changes in the change records for the scope assignment.	No
plannedHours	Double	The original expected hours needed to complete all the work required to install the material quantity on the scope assignment.	No
projectActualHours	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	No
projectEarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	No
projectHPI	Double	Calculated as the total of Project Earned Hours divided by Project Actual Hours.	No
remainingHours	Double	The number of hours left for the scope assignment.	No
revisedHours	Double	Original Hours before the baseline is set. After the baseline is set, Revised Hours is equal to Original Hours plus Approved Change Hours.	No

CBSSheetRowCost

Description: CBS Sheet Row Cost fields.

Field	Type	Description	Read-Only
actualCostToDate	Double	The actual costs incurred on the scope assignment. This tracks the VOWD (Value of Work Done).	No
actualCostToDateProject	Double	The actual cost to date of a project.	No
actualRiskResponse	Double	The actual cost of implementing the response action.	No
actualRiskResponseProject	Double	The pending manual budget of a project.	No
adjustedCost	Double	The amount the scope assignment work that is not yet accounted for. For example, you might enter a value to represent pending change requests that are likely to be approved.	No
adjustedCostProject	Double	The adjusted cost of a project.	No
approvedChangedCost	Double	The sum of all approved cost changes in the change records for the scope assignment.	No
approvedChangedCostProject	Double	The approved changed cost of a project.	No
approvedManualBudget	Double	Calculated as the sum of all costs approved for the original manual budget.	No
approvedManualBudgetChanges	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	No
approvedManualBudgetChangesProject	Double	Approved manual budget changes of a project.	No
approvedManualBudgetProject	Double	Calculated as the sum of all costs approved for the manual budget.	No
approvedManualBudgetTransfers	Double	Calculated as the sum of all approved manual budget transfers for the project.	No

Field	Type	Description	Read-Only
approvedManualBudgetTransfersProject	Double	Approved manual budget transfers of a project.	No
approvedManualCurrentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	No
approvedManualCurrentBudgetProject	Double	Approved manual current budget of a project.	No
approvedProjectActuals	Double	The total amount of confirmed actuals.	No
atCompletionCost	Double	The total cost at the completion of the scope assignment. Calculated as Revised Cost plus Adjusted Cost.	No
atCompletionCostProject	Double	Calculated as the sum of actual costs plus remaining costs for the project.	No
bacCost	Double	The Revised Cost or At Completion Cost at the time the current baseline was set, depending on the selection for the Budget at Completion Method. The Revised Cost of the current project if no baseline is set.	No
bacCostProject	Double	The BAC cost of a project.	No
baselineCost	Double	The Revised Cost at the time the current baseline was set.	No
baselineCostProject	Double	The baseline cost of a project.	No
cbsSheetCodeId	String	The unique ID generated by the system.	No
closedPostExposure	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk.	No
closedPostExposureProject	Double	The mean post-response probability of a closed risk multiplied by the mean post-response cost impact of the risk.	No
closedPreExposure	Double	The mean pre-response probability of the risk multiplied by the mean pre-response cost impact of the risk.	No

Field	Type	Description	Read-Only
currentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	No
currentBudgetProject	Double	Calculated as the sum of all current costs for the selected budget sources. Selected budget sources can include scope based budget and manual budget.	No
eacCost	Double	Calculated as ETC Cost plus Actual Cost to Date.	No
eacCostProject	Double	The EAC cost of a project.	No
earnedCost	Double	Calculated as Performance Percent Complete multiplied by BAC Cost.	No
earnedCostProject	Double	The earned cost of a project.	No
etcCost	Double	The estimate of the cost needed to complete the work. Calculated as BAC Cost minus Earned Cost.	No
etcCostProject	Double	The ETC cost of a project.	No
installedCost	Double	The total cost incurred on the scope assignment as of the current date. If Rate By = Hours, then Installed Cost = Revised Cost Rate * Installed Hours. If Rate By = Quantity, then Installed Cost = Revised Cost Rate * Installed Quantity.	No
installedCostProject	Double	The installed cost of a project.	No
openPostExposure	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk.	No
openPostExposureProject	Double	The mean post-response probability of an open risk multiplied by the mean post-response cost impact of the risk.	No
openPreExposure	Double	The mean pre-response probability of the risk multiplied by the mean pre-response cost impact of the risk.	No
openPreExposureProject	Double	The mean pre-response probability of an open risk multiplied by the mean pre-response cost impact of the risk.	No

Field	Type	Description	Read-Only
pendingChangedCost	Double	Calculated as the sum of all pending cost changes in the change records for the scope assignment.	No
pendingChangedCostProject	Double	The pending changed cost of a project.	No
pendingManualBudget	Double	Calculated as the sum of all costs pending for the original manual budget.	No
pendingManualBudgetChanges	Double	Calculated as the sum of all pending manual budget changes for the project.	No
pendingManualBudgetChangesProject	Double	Pending manual budget changes of a project.	No
pendingManualBudgetProject	Double	The pending manual cost of a project.	No
pendingManualBudgetTransfers	Double	Calculated as the sum of all pending manual budget transfers for the project.	No
pendingManualBudgetTransfersProject	Double	Pending manual budget transfers of a project.	No
pendingProjectActuals	Double	The total amount of pending actuals.	No
pendingProjectActualsProject	Double	Total amount of pending actuals for a project.	No
plannedCost	Double	The original cost of the scope assignment. If Rate By = Hours, OrigCost=OrigHrs*OrigCostRate. If entered manually, OrigCostRate=OrigCost/OrigHrs. If RateBy=Qty, OrigCost=OrigQty*OrigCostRate. If entered manually, OrigCostRate=OrigCost/OrigQty.	No
plannedCostProject	Double	The planned cost of a project.	No
plannedRiskResponse	Double	The estimated cost associated with implementing the response action.	No
plannedRiskResponseProject	Double	The actual cost of implementing a response action for a project.	No

Field	Type	Description	Read-Only
projectActualCost	Double	Total costs accrued on a project within a given time period. The Actual Cost data for the project's life cycle is pulled from the P6 EPPM schedule. Actual Cost data is only available when the application is connected with P6 EPPM and is not editable.	No
projectActualCostProject	Double	Calculated as the sum of the amount of each actual line item for a project.	No
projectCPI	Double	The measure of a project's cost efficiency. A value of less than 1 indicates the project is over budget, while a value greater than 1 indicates the project is under budget.	No
projectCPIProject	Double	The CPI cost of a project.	No
projectEarnedCost	Double	The value of work performed on a project in reference to the approved budget for the project. The cost value used for the Earned Value Management of a project.	No
projectEarnedCostProject	Double	The earned cost of a project.	No
remainingCost	Double	The amount left to be spent. If Rate By set to Hours, then Remaining Cost equals Remaining Hours multiplied by Revised Cost Rate. If Rate By set to Quantity, then Remaining Cost equals Remaining Quantity multiplied by Revised Cost Rate	No
remainingCostProject	Double	The remaining total cost for the project, including labor resources, nonlabor resources, and project expenses.	No
revisedCost	Double	The Original Cost before the baseline is set. After the baseline is set, Revised Cost equals Original Cost plus Approved Change Cost.	No
revisedCostProject	Double	The revised cost of a project.	No

CBSSheetSegment

Description: CBS Sheet Segment fields.

Field	Type	Description	Read-Only
cbsSheetSegmentId	String	The unique ID generated by the system.	No
copiedFromId	Foreign Key	The unique identifier of the CBS segment.	No
costSheetId	Foreign Key	The system-generated identifier of a cost sheet.	Yes
projectCode	String	The user-specified unique identifier of the project.	Yes
projectId	Foreign Key	The unique identifier for the project.	No
segmentDefaultValue	String	A value that is added to the concatenated code by default.	No
segmentDefinitionName	String	The name of the CBS segment.	No
segmentSeparator	String	The separator determines how the concatenated code is separated. The separator can be a period, space, or hyphen.	No
workspaceCode	String	The user-specified unique identifier of the workspace.	Yes

CBSTemplate

Description: The workspace level CBS template which consists of CBS codes and CBS segments.

Field	Type	Description	Read-Only
cbsTemplateId	String	The unique ID generated by the system.	Yes
cbsTemplateName	String	The name of the CBS template.	No
description	String	The description of the CBS template.	No
workspaceId	String	The unique identifier of the workspace.	No

CBSTemplateCode

Description: The list of all CBS codes defined at the workspace level part of a Workspace CBS

Field	Type	Description	Read-Only
actualCostToDate	Double	The actual costs incurred on the scope assignment. This tracks the VOWD (Value of Work Done).	Yes
actualHoursToDate	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done). This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
adjustedCost	Double	The amount the scope assignment work that is not yet accounted for. For example, you might enter a value to represent pending change requests that are likely to be approved.	Yes
approvedChangedCost	Double	The sum of all approved cost changes in the change records for the scope assignment.	Yes
approvedChangedHours	Double	The sum of all approved change hours in the change and transfer records for the scope assignment. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
atCompletionCost	Double	The total cost at the completion of the scope assignment.Calculated as Revised Cost plus Adjusted Cost.	Yes
atCompletionHours	Double	The total hours expected for the scope assignment.Calculated as Revised Hours plus Adjusted Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
bacCost	Double	The Revised Cost or At Completion Cost at the time the current baseline was set, depending on the selection for the Budget at Completion Method. The Revised Cost of the current project if no baseline is set.	Yes
bacHours	Double	The Revised Hours or At Completion Hours at the time the current baseline was set. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
baselineCost	Double	The Revised Cost at the time the current baseline was set.	Yes
baselineHours	Double	The Revised Hours at the time the baseline was set. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes

Field	Type	Description	Read-Only
cbsCode	String	The code value of the CBS code. The code may have one or more segments according to the segment definition.	No
cbsTemplateCodeId	String	The unique ID generated by the system.	No
cbsTemplateId	ForeignKey	The unique identifier of the CBSTemplateCode.	Yes
copiedFromItemId	ForeignKey	The unique identifier of the CBSTemplateCode.	No
costType	Enum	The category of the cost breakdown structure code. Expense: Represents an expense. Capital: Represents capital. None: Type is not divided into expense or capital.None is selected by default if no other choice is made.	No
currentBudget	Double	The total approved current manual budget of a project. Calculated as the sum of Approved Original Manual Budget plus Approved Manual Budget Changes plus Approved Manual Budget Transfers.	Yes
currentBudgetWorkspace1	Double	Workspace current budget.	Yes
currentBudgetWorkspace2	Double	Workspace current budget.	Yes
currentBudgetWorkspace3	Double	Workspace current budget.	Yes
description	String	The name of the CBS Code.	No
eacCost	Double	Calculated as ETC Cost plus Actual Cost to Date.	Yes
eacHours	Double	Calculated as ETC Hours plus Actual Hours to Date. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
earnedCost	Double	Calculated as Performance Percent Complete multiplied by BAC Cost.	Yes
earnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
etcAdjustedHours	Double	The amount of scope assignment work that is not yet accounted for. This is the cumulative value for all objects in the workspace with the same CBS	Yes

Field	Type	Description	Read-Only
		code.	
etcCost	Double	The estimate of the cost needed to complete the work.Calculated as BAC Cost minus Earned Cost.	Yes
etcHours	Double	The estimated number of hours needed to complete the work. Calculated as BAC Hours minus Earned Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
installedCost	Double	The total cost incurred on the scope assignment as of the current date.	Yes
installedHours	Double	Hours spent on the scope assignment. Calculated as Installed Quantity multiplied by Revised Productivity Rate. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
isActive	Boolean	The active field indicates whether the CBS code is active for use.	No
isCodeCopied	Boolean	The flag represents is templateCode copied or not	No
isTotalRow	Boolean	Indicates this item represents the total cost of the project.	Yes
parentId	ForeignKey	The unique identifier of the parent CBS.	No
pendingChangedCost	Double	The unique identifier of the parent CBS.	Yes
pendingChangedHours	Double	Calculated as the sum of all pending cost changes in the change records for the scope assignment.	Yes
plannedHours	Double	Calculated as the sum of all pending hour changes in the change records for the scope assignment. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
projectActualCost	Double	Total cost accrued on a project within a given time period. The Actual Cost data is only available when the application is connected with P6 EPPM and is not editable.	Yes
projectActualHours	Double	The actual hours spent on the scope assignment. This tracks the VOWD (Value of Work Done).	Yes
projectCPI	String	The measure of a project's cost efficiency. A value of less than 1 indicates the project is over budget,	Yes

Field	Type	Description	Read-Only
		while a value greater than 1 indicates the project is under budget.	
projectEarnedCost	Double	The value of work performed on a project in reference to the approved budget for the project. The cost value used for the Earned Value Management of a project.	Yes
projectEarnedHours	Double	Calculated as Performance Percent Complete multiplied by BAC Hours.	Yes
projectHPI	Double	Calculated as the total of Project Earned Hours divided by Project Actual Hours.	Yes
pushDownStatus	Boolean	The push down status of a cbs template code. May be manual or automatic.	No
remainingCost	Double	The amount left to be spent.If Rate By set to Hours, then Remaining Cost equals Remaining Hours multiplied by Revised Cost Rate.If Rate By set to Quantity, then Remaining Cost equals Remaining Quantity multiplied by Revised Cost Rate.	Yes
remainingHours	Double	The number of hours left for the scope assignment. Calculated as Remaining Quantity multiplied by Revised Productivity Rate. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
revisedCost	Double	The Original Cost before the baseline is set. After the baseline is set, Revised Cost equals Original Cost plus Approved Change Cost.	Yes
revisedHours	Double	Original Hours before the baseline is set. After the baseline is set, Revised Hours is equal to Original Hours plus Approved Change Hours. This is the cumulative value for all objects in the workspace with the same CBS code.	Yes
sequenceNumber	String	The CBS template item sequence number.	Yes
workspaceCode	String	The user-specified identifier of the workspace.	Yes
workspaceId	String	The unique identifier for the workspace.The workspace object can also be identified by its unique criteria.	No

CBSTemplateSegment

Description: CBS Template Segment fields.

Field	Type	Description	Read-Only
cbsTemplateSegmentId	String	The unique ID generated by the system.	No
copiedFromId	Foreign Key	The unique identifier of the CBS segment that was copied to create the one being viewed.	No
segmentDefaultValue	String	A value that is added to the concatenated code by default.	No
segmentDefinitionName	String	The name of the CBS segment.	No
segmentSeparator	String	The separator determines how the concatenated code is separated. The separator can be a period, space, or hyphen.	No
templateId	Foreign Key	The unique identifier for the CBS template.	Yes
workspaceCode	String	The user-specified unique identifier of the workspace.	Yes
workspaceId	String	The unique identifier for the workspace.	No

CostCategory

Description: The type of cost represented by the line item.

Field	Type	Description	Read-Only
abbrevation	String	The abbreviation for the cost category name.	No
costCategoryId	String	The unique ID generated by the system.	No
costCategoryName	String	The name of the cost category.	No
type	Enum	The classification of the cost category. Valid Values are 'Labor','Equipment','Materials',and 'Other'.	No
workspaceId	String	The unique identifier of the workspace.	No

CostSheetWorkspaceTotalItem

Description: Cost Sheet WorkspaceTotalItem.

Field	Type	Description	Read-Only
CostSheetWorkspaceTotalItemId	Int	The unique identifier for the CostSheetWorkspaceTotalItemId.	No
ObjectId	String	The unique ID generated by the system.	No
ParentWorkspaceId	Int	The unique identifier of the parent workspace.	No
ReferenceObjectId	Int	ReferenceObjectId	No
ReferenceTemplateType	Enum	ReferenceTemplateType	No

Currency

Description: Currencies are the monetary units used to store costs for all projects in the database.

Field	Type	Description	Read-Only
configuredByUser	Boolean	The currency can be configured by user.	No
currencyCode	String	The unique identifier for the currency. The currency code is 3 characters.	No
currencyId	String	The id for currency.	No
currencyName	String	The name of currency.	No
currencySymbol	String	The symbol for the currency.	No
decimalsToDisplay	Int	The number of decimals to display.	No
systemCurrencyFlag	Boolean	The default currency. Any currency conversions will be measured against this form of currency.	No
workspaceId	String	The id for Workspace.	No

EPS

Description: To use this object, please contact support. This object will be removed in a future release.

Field	Type	Description	Read-Only
codeValueCode	String	The short name of the EPS.	No
codeValueId	String	The unique id that uniquely identifies this EPS.	No
codeValueName	String	The name of the EPS.	No
sequenceNumber	String	Sequence Number	No

ExchangeRate

Description: ExchangeRate Fields.

Field	Type	Description	Read-Only
baseExchangeRate	Double	The exchange rate for a currency.	No
currencyCode	String	The unique identifier for the currency. The currency code is 3 characters.	Yes
currencyId	ForeignKey	The unique id of the currency	No
effectiveEndDate	DateTime	The date the exchange rate ends effect.	No
effectiveStartDate	DateTime	The date the exchange rate goes into effect.	No
exchangeRateId	String	The unique ID generated by the system.	No
workspaceCode	String	The user-specified identifier of a workspace.	Yes

Location

Description: The location is used to store address information including latitude and longitude. Locations can be assigned to resources, projects and/or activities.

Field	Type	Description	Read-Only
addressLine1	String	The first line of the address of a location. This might be the building number and street address.	No
addressLine2	String	The second line of the address of a location. This might be a neighborhood or town.	No
cityName	String	The city name for a location.	No
countryCode	String	The Country for a location. The value is expressed as athree letter code.	No
latitude	Double	The geographical coordinate for the latitude of the location. The default format for latitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
locationCode	String	The unique identifier for the location.	No
locationId	String	The unique ID generated by the system.	No
locationName	String	A name for the location that your users will understand and recognize.	No
longitude	Double	The geographical coordinate for the longitude of the location. The default format for longitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
postalCode	String	The postal code, post code, or zip code of a location.	No
stateCode	String	A unique identifier for the state or province.	No
stateName	String	The state, region, or province of a location.	No

Project

Description: A project is a temporary endeavor undertaken to create a unique product, service, or result. Projects usually contain a work breakdown structure (WBS) and activities.

Field	Type	Description	Read-Only
actualCost	Double	The actual cost of the project.	No
actualCostPresentValue	Double	Also known as discounted value of the overall project actuals, future cash flows are discounted using the project's annual discount rate. Use the present value of the expected cash flow	Yes

Field	Type	Description	Read-Only
		as a metric for project prioritization and selection.	
actualDuration	Double	The actual duration represents the total working time between the project actual start and actual finish for a project.	Yes
actualFinishDate	DateTime	The actual finish displays the date on which a project is considered complete.	No
actualStartDate	DateTime	The actual start indicates the date work on the project began.	No
addressLine1	String	The first line of the address of a location. This might be the building number and street address.	No
addressLine2	String	The second line of the address of a location. This might be a neighborhood or town.	No
allocatedFundApprovedBudgetVariance	Double	The total and time phased variance between the project's Allocated Fund and Approved Budget.	Yes
allocatedFundForecastVariance	Double	The total and time phased variance between the project's Allocated Fund and Forecast.	Yes
allocatedFundPlannedBudgetVariance	Double	The total and time phased variance between the project's Allocated Fund and Planned Budget.	Yes
annualDiscountRate	Double	The interest rate associated with the cost of an investment from your commercial bank or another funding source.	No
atCompletionCost	Double	The at completion cost of the project.	Yes
baseCurrencyCode	String	The three letter currency character code for the base currency.	Yes
benefitsCost	Double	Project benefits is the income or positive cash flow from which all charges, costs, and expenses are	No

Field	Type	Description	Read-Only
		subtracted to arrive at the net income. Also called sales, turnover, or revenue.	
benefitsCostDistributed	Double	The amount of benefits currently allocated across the project timescale.	Yes
benefitsCostPresentValue	Double	Also known as discounted value of the overall project benefits, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	Yes
benefitsCostUndistributed	Double	The amount of benefits that have not been allocated across the project timescale.	Yes
budgetCurrentCost	Double	The total cost of the project budget, including all transfers and changes in base currency.	Yes
budgetCurrentCostProject	Double	The total cost of the project budget, including all transfers and changes in project currency.	Yes
budgetOriginalCost	Double	The total original cost of the project budget, before transfers and changes in base currency.	Yes
budgetOriginalCostProject	Double	The total original cost of the project budget, before transfers and changes in project currency.	Yes
businessSegment	String	A project code field to define the business segment of the project.	No
calculateFloatBasedOnFinishDate	String	The flag that indicates how each activity's float will be calculated with respect to other projects in the scheduling batch. This setting only has an effect when scheduling multiple projects at the same time	No
calendarId	ForeignKey	The unique identifier of the calendar associated with the project.	No

Field	Type	Description	Read-Only
cityName	String	The city name for a location.	No
computeTotalFloatType	Enum	The method for calculating total float for all activities.	No
constructionCostValue	Double	The total of all project-related costs incurred over the period of construction. This field is in base currency and calculated from construction Value Project field based on the specified exchange rate	Yes
constructionCostValueProject	Double	The total of all project-related costs incurred over the period of construction. This would generally include cost of materials, subcontract totals, overhead costs, general conditions and tax.	Yes
costPerfIndex	Double	The measure of a project's cost efficiency. A value less than 1 indicates the project's Actual Cost has exceeded its planned value.	No
costVariance	Double	The measure of cost performance on a project. A negative value indicates that the Actual Cost has exceeded the planned value.	No
countryCode	String	The country for a location.	No
criticalActivityFloatThreshold	String	The maximum float time for activities before they are marked critical.	No
criticalActivityPathType	Enum	Indicates activity critical path type.	No
criticalDuration	Int	The number of days past the end date that an activity can go before it is marked as a critical activity.	No
currencyId	ForeignKey	The unique identifier of the currency used by the project.	No
currentApprovedBudget	Double	The current approved budget of the project.	Yes
currentApprovedBudgetBaseDistributed	Double	The amount of approved budget currently allocated across the project timescale.	Yes

Field	Type	Description	Read-Only
currentApprovedBudgetBasePresentValue	Double	The present value, also known as discounted value, of the portfolio approved budget. Future cash flows are discounted using the project's annual discount rate	Yes
currentApprovedBudgetBaseUndistributed	Double	The amount of approved budget unallocated across the project timescale.	Yes
currentApprovedFinishDate	DateTime	The finish date for the current approved budget set by the capital planner.	Yes
currentApprovedSpendCostVariance	Double	The total and time phased variance between the project's Approved Budget and Actuals.	Yes
currentApprovedSpendVariance	Double	The total and time phased variance between the project's Current Approved Budget and Spends.	Yes
currentApprovedStartDate	DateTime	The start date for the current approved budget set by the capital planner.	Yes
dataDate	DateTime	The data date of the project.	No
description	String	The description of the project.	No
earnedValueCost	Double	The earned value cost of the project.	No
estAtCompleteCost	Double	The expected total cost of the project when the defined scope of work will be completed.	No
estToCompleteCost	Double	The estimated cost needed to complete the project.	No
exchangeRateType	Enum	The type of exchange rate. Floating: A fixed, user-defined exchange rate. Pegged: Follows the exchange rates defined at the workspace.	No
finishDate	DateTime	The date on which all project work is complete.	No
finishDateVariance	DateTime	The duration between the project's finish date and default snapshot. When the field value is	Yes

Field	Type	Description	Read-Only
		generated through a P6 EPPM connection, then it represents the duration between the finish date in the current project and the baseline finish date.	
forecastCost	Double	The total estimation of a project's remaining costs. Once projects have begun, project managers update the project forecast to represent remaining cost estimates for the duration of the project's life cycle.	No
forecastCostDistributed	Double	The amount of forecast cost currently allocated across the project timescale.	Yes
forecastCostPresentValue	Double	Also known as discounted value of the overall project forecast, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	Yes
forecastCostUndistributed	Double	The amount of forecast cost unallocated across the project timescale.	Yes
forecastCurrApprCostVariance	Double	The total and time phased variance between the project's Forecast and Approved Budget.	Yes
forecastCurrApprVar	Double	The total and time phased variance between the project's forecast and current approved budget.	Yes
forecastFinishDate	DateTime	The planned finish date of a project's remaining forecast cost.	No
forecastStartDate	DateTime	The planned start date of a project's remaining forecast cost.	No
ignoreOtherProjectRelationships	Boolean	The option used by the scheduler for treating activity relationships between projects when scheduling.	No

Field	Type	Description	Read-Only
integratedType	Enum	The indicator that determines whether the resource is integrated with an Enterprise Resource Planning (ERP) system, 'Fusion' indicates the resource is integrated with Oracle Fusion. 'ERP' indicates the resource is integrated with another ERP system.	Yes
intRateReturn	Double	The quantitative measurement used to compare the profitability of project investments. The rate at which investors will receive returns on their investments in a project.	No
latitude	Double	The geographical coordinate for the latitude of the location. The default format for latitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
linkForecastToSpend	Boolean	Enables you to link project forecast data to project spends data. When linked any updates to the project's spends values will automatically be applied to the project's forecast values.	No
locationName	String	A name for the location that your users will understand and recognize.	No
longitude	Double	The geographical coordinate for the longitude of the location. The default format for longitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
makeOpenEndedActivitiesCritical	String	The option used by the scheduler for automatically leveling resources when scheduling projects.	No
manager	String	The manager or person	No

Field	Type	Description	Read-Only
		responsible for the project.	
maximumMultipleFloatPaths	String	The number of critical float paths to calculate	No
multipleFloatPathsEnabled	String	The Boolean value that indicates whether multiple critical float paths (sequences of activities) should be calculated in the project schedule.	No
multipleFloatPathsEndingActivityObjectId	String	The activity in the WBS that you want to represent the end of the float paths.	No
multipleFloatPathsUseTotalFloat	String	The Boolean value that decides whether or not to use total float in multiple float path calculations.	No
mustFinishByDate	DateTime	The latest date on which the scheduled activities must be complete for a project.	No
netPresentValue	Double	The difference between the present value (PV) of the future cash flows from current investments and project costs.	No
outOfSequenceScheduleType	String	The type of logic used to schedule the progressed activities: 'Retained Logic', 'Progress Override', or 'Actual Dates'.	No
P6 EPS	String	The parent eps id of the project.	No
paybackPeriod	Double	The estimate of the length of time that will transpire before net profits recover the initial and periodic costs of an investment to carry out the selected project.	No
percentComplete	Double	The estimated percentage of work that has been completed on the project.	No
percentCompleteWeightedBy	Enum	The weight for scope items is calculated using quantity.	Yes
planDuration	Double	The duration between project planned start and project planned finish.	Yes

Field	Type	Description	Read-Only
planEndDate	DateTime	The finish date for the time phased planned budget of the project. Planned budget cost spread will adjust when this date is changed.	No
plannedBudget	Double	The planned budget of the project.	No
plannedBudgetDistributed	Double	The amount of planned budget allocated across the project timescale.	Yes
plannedBudgetPresentValue	Double	Also known as discounted value of the overall project planned budget, future cash flows are discounted using the project's annual discount rate. Use the present value of a project's expected cash flow as a metric for project prioritization and selection.	Yes
plannedBudgetUndistributed	Double	The amount of planned budget unallocated across the project timescale.	Yes
plannedValueCost	Double	The amount of approved capital spend on a schedule portion of work on a project. Planned value cost is often used for Earned Value Management.	No
planStartDate	DateTime	The start date for the time phased planned budget of the project. Planned budget cost spread will adjust when this date is changed. The project planned start also represents the earliest date that activities can occur within a project schedule.	No
postalCode	String	The postal code, post code, or zip code of a location.	No
postPessimisticFinishDate	DateTime	The calculated project post-response finish date that corresponds to the defined pessimistic percentile.	Yes
postPessimisticStartDate	DateTime	The calculated project	Yes

Field	Type	Description	Read-Only
		post-response start date that corresponds to the defined pessimistic percentile.	
prePessimisticFinishDate	DateTime	The calculated project pre-response finish date that corresponds to the defined pessimistic percentile.	Yes
prePessimisticStartDate	DateTime	The calculated project pre-response start date that corresponds to the defined pessimistic percentile.	Yes
primaveraWorkspace	String	A Project Code field to define the Primavera Cloud Workspace of the Project.	No
profitabilityIndex	Double	The index based on the value of a project's present values divided by initial project investments.	No
projectCode	String	The unique identifier for a project set by the user who created the project.	No
projectCurrencyCode	String	The three letter currency character code for the project currency.	No
projectDefaultDurationType	Enum	The default project duration type. Values are: 'Fixed Units/Time', 'Fixed Duration and Units/Time', 'Fixed Units', or 'Fixed Duration and Units'.	No
projectId	String	The unique identifier for the project.	No
projectName	String	The name of the project.	No
proposedBudget	Double	The proposed budget of the project.	Yes
proposedBudgetBaseDistributed	Double	The amount of proposed budget currently allocated across the project timescale.	Yes
proposedBudgetBasePresentValue	Double	The present value, also known as discounted value, of the portfolio proposed budget. Future cash flows are discounted using the	Yes

Field	Type	Description	Read-Only
		project's annual discount rate.	
proposedBudgetBaseUndistributed	Double	The amount of proposed budget unallocated across the project timescale.	Yes
proposedFinishDate	DateTime	The finish date for the proposed budget of the project.	Yes
proposedForecastCostVariance	Double	The total and time phased variance between the project's Proposed Budget and Forecast.	Yes
proposedForecastVariance	Double	The total and time phased variance between the project's proposed budget and forecast.	Yes
proposedPlannedCostVariance	Double	The total and time phased variance between the project's Proposed Budget and Planned Budget.	Yes
proposedPlannedVar	Double	The total and time phased variance between the project's proposed budget and planned budget.	Yes
proposedStartDate	DateTime	The start date for the proposed budget of the project.	Yes
relationshipLagCalendar	Enum	The calendar used to calculate the lag between predecessors and successors for all activities.	No
remainingCost	Double	The remaining total cost for the project, including labor resources, nonlabor resources, and project expenses.	Yes
remainingDuration	Double	The duration between the project start and project finish.	Yes
reportCycleId	Int	The report cycle of the project.	No
reportCycleNamingBoundary	Enum	Determines when period names will be rest. The options available are based on the selection for reporting cycle. The standard calendar start and end dates are used as boundaries for resetting periods.	Yes
returnInvestment	Double	The return on investment of the	No

Field	Type	Description	Read-Only
		project.	
riskLevel	Enum	The risk level assigned to the project.You can use risk level to determine what projects should be included in your plans, as well as which projects should be of priority.	No
riskMatrixId	ForeignKey	The unique identifier of the risk matrik assigned to the project for calculating project risk scores.	No
riskMatrixName	String	The name of the associated risk matrix.	Yes
riskScore	Int	The risk score value is based on the probability and impacts of a risk. It is derived from the probability impact matrix and any associated rules.	Yes
schedPerfIndex	Double	The schedule performance index of the project.	No
scheduleCostVariance	Double	The measure of schedule performance on a project. A negative value indicates that less work was actually performed than was scheduled.	No
scheduledFinishDate	DateTime	The calculated latest early finish date, which is based on the schedule most recently generated for the project.	Yes
securityGuid	String	The security guid of the project.t	Yes
sequenceNumber	Int	The sequence number of the project.	No
spendCost	Double	Linking spends and forecast enables you to combine costs already incurred on a project with the project's predicted future costs effectively creating an at completion curve. Spends cannot be edited if a project has a status of proposal.	No
spendEffectiveDate	DateTime	The month in which a spend value was last added to the	Yes

Field	Type	Description	Read-Only
		project.	
spendFinishDate	DateTime	The finish date for the project spends.	No
spendForecastCostVariance	Double	The total and time phased variance between the project's Actuals and Forecast.	Yes
spendForecastVar	Double	The total and time phased variance between the project's spends and forecast.	Yes
spendPlannedCostVariance	Double	The total and time phased variance between the project's Actuals and Planned Budget.	Yes
spendPlannedVariance	Double	The total and time phased variance between the project's spends and planned budget.	Yes
spendStartDate	DateTime	The start date for the project spends.	No
startDate	DateTime	The date on which work on the project starts.	No
startDateVariance	DateTime	The duration between the project's start date and default snapshot. When the field value is generated through a P6 EPPM connection, then it represents the duration between the start date in the current project and the baseline start date.	Yes
startToStartLagCalculationType	Boolean	The method used to calculate lag when a start-to-start relationship exists and the predecessor starts out of sequence.	No
stateCode	String	A unique identifier for the state or province.	No
stateName	String	The state, region, or province of a location.	No
status	Enum	The status of the project.	No
strgyPriorityNum	Int	The strategic priority of the project.	No

Field	Type	Description	Read-Only
useExpectedFinishDates	String	The option used for setting activity finish dates as the expected finish dates when scheduling projects.	No
websiteUrl	String	The link to a website related to the project.	No
workspaceId	Int	The unique identifier of the workspace.	No
yearEndForecastCost	Double	Total forecast at the end of year actuals till date, with respect to the current year.	No
ytdSpendCost	Double	A measurement of capital spent on a project starting from the beginning of the year up to the present date. YTD Spends provide an overview of the total amount of spends accrued on a project over the current Period Year.	No

ProjectBudget

Description: The total cost of the project budget, including all transfers and changes.

Field	Type	Description	Read-Only
approveByUserId	String	The user who approved the budget.	Yes
approveByUserName	String	The name of the user who approved a project budget.	Yes
approvedDate	DateTime	The date the project budget was approved.	No
budgetStatus	Enum	The state of the project budget change request. Pending: The change request is awaiting a decision. Approved: The change request was approved. Rejected: The change request was not approved.	No
lastModifiedById	String	The unique identifier of the user who last modified the project budget.	Yes

Field	Type	Description	Read-Only
projectBudgetId	String	The unique ID generated by the system.	Yes
projectId	ForeignKey	The unique identifier of the project	No
projectName	String	The name of a project.	Yes
rejectByUserId	String	The user who rejected the budget.	Yes
rejectByUserName	String	The name of the user who rejected a project budget.	Yes
rejectDate	DateTime	The date the budget was rejected.	Yes
submitByUserId	String	The user who submitted the budget for review.	Yes
submitByUserName	String	The name of the user who submitted a project budget.	Yes
submitDate	DateTime	The date the budget was submitted for review.	Yes
withdrawApprovalByUserId	String	The user who withdrew approval of the budget.	Yes
withdrawApprovalByUserName	String	The name of the user who withdrew a project budget.	Yes
withdrawApprovalDate	DateTime	The date the approval of the budget is withdrawn.	No

ProjectBudgetChange

Description: The estimated cost of a new budget item in a budget.

Field	Type	Description	Read-Only
approveByUserId	String	The username of the user that approved the item.	Yes
approveByUserName	String	The name of the user who approved a project budget change.	Yes
approveDate	DateTime	Date the item was approved.	Yes
budgetChangeCode	String	The unique identifier of the project budget change request.	No
budgetChangeId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
description	String	Details supporting the change request.	No
lastModifiedById	String	The user name of the user who last made changes to the item.	Yes
projectBudgetId	ForeignKey	The system-generated identifier of a project budget.	No
projectCode	String	The unique identifier for a project set by the user who created the project.	Yes
projectId	ForeignKey	The unique identifier of the project	No
rejectByUserId	String	The username of the user that rejected the item.	Yes
rejectByUserName	String	The name of the user who rejected a project budget change.	Yes
rejectDate	DateTime	Date the item was rejected.	Yes
status	Enum	The state of the project budget change request. Pending: The change request is awaiting a decision. Approved: The change request was approved. Rejected: The change request was not approved.	No
submitByUserId	String	The username of the user that submitted the item.	Yes
submitByUserName	String	The name of the user who submitted a project budget change.	Yes
submitDate	DateTime	Date the item was submitted.	Yes
totalCost	Double	The cost to be added or subtracted from the project budget.	No
totalCostProject	Double	TotalCostProject	Yes
totalCostWorkspace1	Double	The total cost of a workspace.	Yes
totalCostWorkspace2	Double	The total cost of a workspace.	Yes
totalCostWorkspace3	Double	The total cost of a workspace.	Yes
withdrawApprovalByUserId	String	The username of the user that withdrew approval of the item.	Yes

Field	Type	Description	Read-Only
withdrawApprovalByUserName	String	The name of the user who withdrew a project budget change.	Yes
withdrawApprovalDate	DateTime	Date the item was withdrawn.	Yes
workspaceCode	String	The user-specified identifier of a workspace.	Yes

ProjectBudgetChangeTransaction

Description: The estimated cost of changing a budget item in a budget.

Field	Type	Description	Read-Only
amountCost	Double	The amount that the budget row has changed as the result of transactions.	No
amountCostProject	Double	The changed cost of a project.	Yes
amountCostWorkspace1	Double	The changed costs of a workspace.	Yes
amountCostWorkspace2	Double	The changed costs of a workspace.	Yes
amountCostWorkspace3	Double	The changed costs of a workspace.	Yes
approveDate	DateTime	Date the item was approved	Yes
budgetCbsSheetCodeId	ForeignKey	The name of the CBS Code associated with the budget line item.	No
budgetChangeId	ForeignKey	This is an intermediary field that the system uses to calculate other values. It does not correspond to any field users can see in the user interface.	No
budgetCostCategoryId	ForeignKey	The type of cost associated with the budget line item.	No
budgetHours	Double	The number of hours needed to complete the budget details line item. Calculated as Production Rate multiplied by Quantity.	No
budgetItemId	ForeignKey	A unique identifier for the budget item (Change Budget Line).	No
budgetItemName	String	The name of the budget item.	No

Field	Type	Description	Read-Only
budgetTransactionId	String	The unique ID generated by the system.	No
changeMode	Enum	The detailed Budget change line item. Valid values are: 'AUTO', 'MANUAL', and 'CHANGE'.	Yes
currentCost	Double	The current cost of the associated budget line item.	No
currentCostProject	Double	The current cost of a project.	Yes
currentCostWorkspace1	Double	The current cost of a workspace.	Yes
currentCostWorkspace2	Double	The current cost of a workspace.	Yes
currentCostWorkspace3	Double	The current cost of a workspace.	Yes
desiredCode	String	A unique identifier for the budget item (Add Budget Line).	No
itemCode	String	The unique identifier for the budget line item.	No
itemCodeSuffix	String	The suffix of a budget transaction code.	Yes
laborRate	Double	The cost per labor hour of the budget line item detail.	No
laborRateProject	Double	The labor rate cost of a project.	Yes
laborRateWorkspace1	Double	The labor rate cost of a workspace.	Yes
laborRateWorkspace2	Double	The labor rate cost of a workspace.	Yes
laborRateWorkspace3	Double	The labor rate cost of a workspace.	Yes
productionRate	Double	The number of hours per unit of measure needed to complete the budget line item.	No
quantity	Double	The number of each budget line item needed to complete the work.	No
status	Enum	The status of the transaction. Valid values are: 'DRAFT', 'PENDING', 'REJECTED' and 'APPROVED'.	No

Field	Type	Description	Read-Only
transactionType	Enum	Specifies the transaction type of the budget row. Valid values are: 'ORIGINAL', 'CHANGE', and 'TRANSFER'.	Yes
unitOfMeasureId	ForeignKey	The unit of measure used for the budget line item detail.	No
unitRate	Double	The cost per unit of measure for the budget line item detail.	No
unitRateProject	Double	The unit rate cost of a project.	Yes
unitRateWorkspace1	Double	The unit rate cost of a workspace.	Yes
unitRateWorkspace2	Double	The unit rate cost of a workspace.	Yes
unitRateWorkspace3	Double	The unit rate cost of a workspace.	Yes

ProjectBudgetItem

Description: The estimated cost of a budget item required to complete a project.

Field	Type	Description	Read-Only
abbreviation	String	The abbreviated name of a cost category.	Yes
budgetChangeId	ForeignKey	Indicates whether the budget item originated in a budget change.	No
budgetHours	Double	The number of hours needed to complete the budget item. Calculated as Production Rate multiplied by Quantity.	No
budgetItemCode	String	The unique identifier of the project budget item.	No
budgetItemId	String	The unique ID generated by the system.	No
cbsCode	String	The CBS associated with this budget item.	Yes
cbsSheetCodeId	ForeignKey	The unique identifier of the CBS Code.	No
costCategoryId	ForeignKey	The type of cost associated with the budget item.	No
costCategoryName	String	The cost category assigned to this budget item.	Yes

Field	Type	Description	Read-Only
currentCost	Double	The current cost of the budget line item.	Yes
currentCostProject	Double	The current cost of a project.	No
itemName	String	The name of the budget item.	No
itemSuffix	String	The suffix of a budget item code.	No
laborRate	Double	The cost per labor hour of the budget line item.	Yes
laborRateProject	Double	The labor rate cost of a project.	No
originalCost	Double	The original cost of the budget line item.	Yes
originalCostProject	Double	The original cost of a project.	No
productionRate	Double	The number of hours per unit of measure needed to complete the budget item.	No
projectBudgetId	ForeignKey	The system-generated identifier of a project budget.	No
projectCode	String	The project associated with this budget item.	Yes
projectId	ForeignKey	The unique identifier for the project.	No
quantity	Double	The number of each budget item needed to complete the work.	No
sourceId	String	The unique identifier of budget item data in an external source.	No
unitRate	Double	The cost per unit of measure for the budget line item.	Yes
unitRateProject	Double	The unit rate cost of a project.	No
unitsOfMeasureId	ForeignKey	The unit of measure used for the budget item.	No
workspaceCode	String	The user-specified identifier of a workspace.	Yes

ProjectBudgetTransfer

Description: This is costs transferred from one budget line to another budget line.

Field	Type	Description	Read-Only
approveByUserId	String	The username of the user that approved the item.	Yes
approveByUserName	String	The name of the user who approved a project budget transfer.	Yes
approveDate	DateTime	Date the item was approved.	Yes
budgetItemId	Foreign Key	The system-generated identifier of a budget item.	No
budgetTransferCode	String	The unique identifier of the project budget transfer request.	No
budgetTransferId	String	The unique ID generated by the system.	No
description	String	Details supporting the change request.	No
itemPrefix	String	Details supporting the change request.	No
itemSuffix	String	The prefix of a budget transfer code.	No
lastModifiedById	String	The user name of the user who last made changes to the item.	Yes
projectBudgetId	Foreign Key	The system-generated identifier of a project budget.	No
projectCode	String	The unique identifier for a project set by the user who created the project.	No
projectId	Foreign Key	The unique identifier of the project.	No
rejectByUserId	String	The username of the user that rejected the item.	Yes
rejectByUserName	String	The name of the user who rejected a project budget transfer.	Yes
rejectDate	DateTime	Date the item was rejected.	Yes
status	Enum	The state of the project budget change request. Pending: The change request is awaiting a decision. Approved: The change request was approved. Rejected: The change request was not approved.	No
submitByUserId	String	The username of the user that submitted the item.	Yes

Field	Type	Description	Read-Only
submitByUserName	String	The name of the user who submitted a project budget transfer.	No
submitDate	DateTime	Date the item was submitted.	Yes
withdrawApprovalByUserId	String	The username of the user that withdrew approval of the item.	Yes
withdrawApprovalByUserName	String	The name of the user who withdrew a project budget transfer.	Yes
withdrawApprovalDate	DateTime	Date the item was withdrawn.	Yes
workspaceCode	String	The user-specified identifier of a workspace.	Yes

ProjectBudgetTransferTransaction

Description: ProjectBudgetTransferTransaction fields.

Field	Type	Description	Read-Only
amountCost	Double	The amount that the budget row has changed as the result of transactions.	No
amountCostProject	Double	The changed cost of a project.	Yes
amountCostWorkspace1	Double	The changed costs of a workspace.	Yes
amountCostWorkspace2	Double	The changed costs of a workspace.	Yes
amountCostWorkspace3	Double	The changed costs of a workspace.	Yes
approveDate	DateTime	The date the transaction was approved.	Yes
budgetCbsSheetCodeId	ForeignKey	The name of the CBS Code associated with the budget line item.	Yes
budgetCostCategoryId	ForeignKey	The type of cost associated with the budget line item.	Yes
budgetHours	Double	The number of hours needed to complete the budget details line item. Calculated as Production Rate multiplied by Quantity.	No

Field	Type	Description	Read-Only
budgetItemId	ForeignKey	The system-generated identifier of a budget item.	No
budgetItemName	String	The name of the budget item.	No
budgetTransactionId	String	The unique ID generated by the system.	No
budgetTransferId	ForeignKey	The system-generated identifier of a budget transfer.	No
budgetTransferType	Enum	Specifies whether the budget row is transfer from budget record or transfer to budget record. Valid values are: 'TO' and 'FROM'.	No
currentCost	Double	The current cost of the associated budget line item.	No
currentCostProject	Double	The current cost of a project.	Yes
currentCostWorkspace1	Double	The current cost of a workspace.	Yes
currentCostWorkspace2	Double	The current cost of a workspace.	Yes
currentCostWorkspace3	Double	The current cost of a workspace.	Yes
itemCode	String	The unique identifier for the budget line item.	No
itemCodeSuffix	String	The suffix of a budget transaction code.	Yes
laborRate	Double	The cost per labor hour of the budget line item detail.	No
laborRateProject	Double	The labor rate cost of a project.	Yes
laborRateWorkspace1	Double	The labor rate cost of a workspace	Yes
laborRateWorkspace2	Double	The labor rate cost of a workspace	Yes
laborRateWorkspace3	Double	The labor rate cost of a workspace	Yes
productionRate	Double	The number of hours per unit of measure needed to complete the budget line item.	No
quantity	Double	The number of each budget line item needed to complete the work.	No

Field	Type	Description	Read-Only
status	Enum	The status of the transaction. Valid values are: 'DRAFT', 'PENDING', 'REJECTED' and 'APPROVED'.	No
transactionType	Enum	Specifies the transaction type of the budget row. Valid values are: 'ORIGINAL', 'CHANGE', and 'TRANSFER'.	No
transferFromCBSId	ForeignKey	The CBS code of the source budget line item. This identifies the CBS code of the budget line item you are transferring money from through the transfer.	Yes
transferFromCostCategoryId	ForeignKey	The cost category ID of the source budget line item.	Yes
transferFromId	ForeignKey	The unique identifier for the source budget line item. This identifies the ID of the budget item you are transferring money from through the transfer.	No
transferToCBSId	ForeignKey	The CBS code of the destination budget line item. This identifies the CBS code of the budget line item you are transferring money to through the transfer.	Yes
transferToCostCategoryId	ForeignKey	The cost category ID of the destination budget line item.	Yes
transferToId	ForeignKey	The unique identifier for the destination budget line item. This identifies the ID of the budget item you are transferring money to through the transfer.	No
unitOfMeasureId	ForeignKey	The unit of measure used for the budget line item detail.	No
unitRate	Double	The cost per unit of measure for the budget line item detail.	No
unitRateProject	Double	The unit rate cost of a project.	Yes
unitRateWorkspace1	Double	The unit rate cost of a workspace.	Yes
unitRateWorkspace2	Double	The unit rate cost of a workspace.	Yes
unitRateWorkspace3	Double	The unit rate cost of a workspace.	Yes

ProjectCode

Description: Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
codeTypeId	ForeignKey	The unique ID of the project code type.	No
codeTypeName	String	The name of the project code type.	No
codeValueCode	String	The value of the project code.	No
codeValueId	String	The unique ID generated by the system.	No
codeValueName	String	The name of the project code.	No
description	String	The description of the project code.	No
parentId	ForeignKey	The unique ID of the parent project code.	No
sequenceNumber	Int	The sequence number for sorting.	No

ProjectCodeType

Description: Project code types provide a way of classifying project codes. Project codes are user-defined codes to classify and categorize projects across the enterprise.

Field	Type	Description	Read-Only
codeTypeCode	String	The code of the project code type.	No
codeTypeId	String	The unique ID generated by the system.	No
codeTypeName	String	The name of the project code type.	No
length	Int	The maximum number of characters allowed for values of this project code.	No

Relationship

Description: A relationship defines how an activity relates to the start or finish of another activity or assignment. These relationships, which form the logic of the project network, are used together with activity durations to determine schedule dates.

Field	Type	Description	Read-Only
lagHours	Double	The amount of time the predecessor activity	No

Field	Type	Description	Read-Only
		was delayed, affecting the ability of its successor activity to start or finish.	
predActivityCode	String	The activity code of the predecessor activity.	Yes
predActivityId	ForeignKey	The unique ID of the predecessor activity.	No
predActivityType	Enum	The type of the predecessor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	Yes
predProjectCode	String	The unique ID of the project that owns the predecessor activity.	Yes
relationshipId	String	The unique ID generated by the system.	No
relationshipType	Enum	The relationship type defining the behavior between two activities. The valid values are Finish to Start, Finish to Finish,Start to Start, and Start to Finish.	No
succActivityCode	String	The activity code of the successor activity.	Yes
succActivityId	ForeignKey	The unique ID of the successor activity.	No
succActivityType	Enum	The type of the successor activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	Yes
succProjectCode	String	The unique ID of the project that owns the successor activity.	Yes

Resource

Description: Resources include labor, nonlabor, and materials that are used for activities across all projects.

Field	Type	Description	Read-Only
addressLine1	String	The first line of the address of a location. This might be the building number and street address.	No
addressLine2	String	The second line of the address of a location. This might be a neighborhood or town.	No

Field	Type	Description	Read-Only
calendarCode	String	The unique code of the calendar.	Yes
calendarId	ForeignKey	The calendar assigned to the resource.	No
calendarName	String	The name of the calendar that is assigned to the resource.	Yes
cityName	String	The city name for a location.	No
countryCode	String	The Country for a location.	No
defaultSyncUnitsFromCost	Boolean	The option that determines whether any new assignments for this resource will have its costs recalculated whenever any quantity changes occur.	No
defaultUnitsPerHour	Double	The default units/time setting for the resource.	No
DepartmentId	String	A Resource UDF to define the Department Id of the Resource.	No
emailAddress	String	The email address for the resource.	No
employeeNumber	String	The resource identifier within the organization, typically the employee number or social security number.	No
isActive	Boolean	The option that determines whether the resource is active. A value of true indicates the resource is active.	No
latitude	Double	The geographical coordinate for the latitude of the location. The default format for latitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
longitude	Double	The geographical coordinate for the longitude of the location. The default format for longitude is decimal degrees format, but the format you need to use will depend on your geolocation service.	No
officePhoneNumber	String	The office phone number for the resource.	No
otherPhoneNumber	String	The alternate phone numbers for the resource.	No
parentId	ForeignKey	The unique ID of the parent resource of this resource in the hierarchy.	No

Field	Type	Description	Read-Only
postalCode	String	The postal code, post code, or zip code of a location.	No
resourceCode	String	The unique identifier of the Resource	No
resourceId	String	The unique ID generated by the system.	No
resourceName	String	The name of the resource.	No
resourceStatus	Enum	Determines whether the resource or role is currently active.	No
resourceTitleName	String	The job title for the resource. For example, a resource may have the title Senior Engineer.	No
resourceType	Enum	The indicator that determines the resource type. Valid values are LABOR, NON_LABOR, MATERIAL.	No
stateCode	String	A unique identifier for the state or province.	No
stateName	String	The state, region, or province of a location.	No
unitOfMeasureId	ForeignKey	The unique code of the UOM for this resource.	No

ResourceAssignment

Description: Resource assignments track the work of resources or roles that are performing various activities.

Field	Type	Description	Read-Only
activityCode	String	The short ID that uniquely identifies the activity within the project.	Yes
activityId	Foreign Key	The unique ID of the activity to which the resource is assigned.	No
activityType	Enum	The type of the activity, either 'Task Dependent', 'Resource Dependent', 'Level of Effort', or 'Milestone'.	No
actualCost	Double	The actual cost for the resource or role assignment on the activity in base currency.	Yes
actualCostProject	Double	The actual cost for the resource or role assignment on the activity in project currency.	No
actualDuration	Double	The total working time from the assignment actual	Yes

Field	Type	Description	Read-Only
		start date to the actual finish date for completed assignments, or the total working time from the actual start date to the data date for in-progress assignments.	
actualFinishDate	DateTime	The date on which the assignment was completed.	No
actualStartDate	DateTime	If the activity has started, the date work began on the activity.	No
actualThisPeriodCost	Double	The labor, nonlabor, and material costs incurred during the current financial period in base currency.	Yes
actualThisPeriodCostProject	Double	The labor, nonlabor, and material costs incurred during the current financial period in project currency	No
actualThisPeriodUnits	Double	The labor, nonlabor, and material units used during the current financial period.	No
actualUnits	Double	The sum of the actual non-overtime and the overtime units worked by the resource on the activity.	No
assignmentCode	String	A unique identifier for the assignment.	No
assignmentId	String	The unique ID generated by the system.	No
atCompletionCost	Double	The sum of the actual costs plus remaining costs for the resource assignment on the activity in base currency.	Yes
atCompletionCostProject	Double	The sum of the actual costs plus remaining costs for the resource assignment on the activity in project currency.	No
atCompletionDuration	Double	The total working time from the assignment's current start date to the current finish date.	Yes
atCompletionUnits	Double	The sum of the actual units and remaining inits for the resource assignment on the activity. Calculated as actual units plus remaining units.	No
curveName	String	Curve name associated with this assignment	No
driveActivityDates	Boolean	Determines whether new resource or role assignments determine activity dates.	No
earnedValueCost	Double	The approved budget for work actually completed by the specified project data date in base currency.	Yes

Field	Type	Description	Read-Only
earnedValueCostProject	Double	The approved budget for work actually completed by the specified project data date in project currency.	Yes
estimateToCompletionUnits	Double	The estimated quantity to complete the assignment.	Yes
finishDate	DateTime	The finish date for the assignment.	No
isPrimaryResource	Boolean	The flag that indicates whether this resource is the activity's primary resource.	No
plannedCost	Double	The expected total cost of the item, such as an assignment, expense, or response plan in base currency.	Yes
plannedCostProject	Double	The expected total cost of the item, such as an assignment, expense, or response plan in project currency.	No
plannedDuration	Double	The resource's total working time on the activity from the planned start date to the planned finish date.	No
plannedFinishDate	DateTime	The date the assignment is scheduled to be finished.	No
plannedLag	String	The planned time lag between the activity's planned start date and the resource's planned start date on the activity.	No
plannedStartDate	DateTime	The planned start date for the assignment on the activity.	No
plannedUnits	String	The planned units of work for the resource assignment on the activity.	No
plannedUnitsPerHour	Double	The planned units per time at which the resource is to perform work on the activity.	No
plannedValueCost	Double	The amount of approved capital spent on a scheduled portion of work on a project in base currency.	Yes
plannedValueCostProject	Double	The amount of approved capital spent on a scheduled portion of work on a project in project currency.	Yes
plannedValueUnits	Double	PlannedValueUnits	Yes
pricePerUnit	Double	The price per unit of time for the resource or role in	Yes

Field	Type	Description	Read-Only
		base currency.	
pricePerUnitProject	Double	The price per unit of time for the resource or role in project currency.	No
priorActualCost	Double	The total actual costs incurred at the time of the last stored period performance. This represents the costs incurred from the last period closeout date in base currency.	Yes
priorActualCostProject	Double	The total actual costs incurred at the time of the last stored period performance in project currency.	Yes
priorActualUnits	Double	The total actual units incurred at the time of the last stored period performance. This represents the total units incurred from the last period closeout date.	Yes
projectCode	String	The short code that uniquely identifies the project.	Yes
remainingCost	Double	The remaining cost for the resource assignment on the activity in base currency.	Yes
remainingCostProject	Double	The remaining cost for the resource assignment on the activity in project currency.	No
remainingDuration	Double	The remaining working time for the resource assignment on the activity, from the resource's remaining start date to the remaining finish date.	No
remainingFinishDate	DateTime	The date the assignment is scheduled to be finished.	No
remainingLag	Double	The time lag between the activity's remaining start date and the resource's remaining start date on the activity.	No
remainingLateFinishDate	DateTime	The latest possible date the assignment must be finished to not delay the project finish date.	Yes
remainingLateStartDate	DateTime	The latest possible date the assignment must begin to not delay the project finish date.	Yes
remainingStartDate	DateTime	The date the assignment is scheduled to begin.	No
remainingUnits	Double	The remaining units of work to be performed by the resource on the activity.	No
remainingUnitsPerHour	Double	The units per time required for the resource assignment to complete the activity.	No
resourceCode	String	The unique identifier for the resource assigned to	Yes

Field	Type	Description	Read-Only
		the activity.	
resourceId	Foreign Key	The unique identifier for the resource assigned to the activity.	No
resourceRoleCode	String	The unique identifier for the role assigned to the activity.	Yes
resourceRoleId	Foreign Key	The unique identifier for the role assigned to the activity.	No
resourceType	Enum	The resource type. Valid values are Labor, Nonlabor, and Material.	Yes
staffedRemainingCost	Double	The remaining cost for resource assignments that have a filled role in base currency.	Yes
staffedRemainingCostProject	Double	The remaining cost for resource assignments that have a filled role in project currency.	Yes
staffedRemainingUnits	Double	StaffedRemainingUnits	Yes
starred	Boolean	The flag that indicates whether the resource who is assigned to the activity assignment has flagged the activity as important to the resource.	Yes
startDate	DateTime	The start date for the activity assignment.	No
syncUnitsFromCost	Boolean	Determines whether to recalculate actual or actual this period units and costs when one of these values is updated.	No
totalRemainingLag	Double	TotalRemainingLag	No
unitsPercentComplete	Double	The percent complete of units for the resource assignment on the activity.	No
unstaffedRemainingCost	Double	The remaining cost for resource assignments that do not have a filled role in base currency.	Yes
unstaffedRemainingCostProject	Double	The remaining cost for resource assignments that do not have a filled role in project currency.	Yes
unstaffedRemainingUnits	Double	UnStaffedRemainingUnits	Yes

ResourceCode

Description: Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	Read-Only
codeTypeName	String	The name of the resource code type.	No
codeTypeId	ForeignKey to ResourceCodeType	The unique ID of the resource code type.	No
codeValueCode	String	The value of the resource code.	No
codeValueId	String	The unique ID generated by the system.	No
codeValueName	Int	The short code that uniquely identifies the parent resource code.	No
description	String	The description of the resource code.	No
parentId	Int	The unique ID of the parent resource code.	No
sequenceNumber	Int	The sequence number for sorting.	No

ResourceCodeType

Description: Resource code types provide a way of classifying Resource codes. Resource codes are user-defined codes to classify and categorize resources across the enterprise.

Field	Type	Description	Read-Only
codeTypeCode	String	The code of the resource code type.	No
codeTypeId	String	The unique ID generated by the system.	No
codeTypeName	String	The name of the resource code type.	No
length	Int	The maximum number of characters allowed for values of this resource code.	No

ResourceRate

Description: Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.

Field	Type	Description	Read-Only
effectiveStartDate	DateTime	The effective time period of the resource rate.	No
maxUnitsPerTime	Double	The maximum work units per time this resource can perform on all their assigned activities.	No
pricePerUnit1	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in base currency.	No
pricePerUnit1Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in project currency.	Yes
pricePerUnit2	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in base currency.	No
pricePerUnit2Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in project currency.	Yes
pricePerUnit3	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in base currency.	No
pricePerUnit3Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in project currency.	Yes
pricePerUnit4	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in base currency.	No
pricePerUnit4Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in project currency.	Yes
pricePerUnit5	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in base currency.	No
pricePerUnit5Project	Double	The price per unit associated with the resource. The price per unit is used to calculate costs for resources assigned to activities in project currency.	Yes
resourceId	ForeignKey	The unique ID of the associated resource.	No
resourceWorkRateId	String	The unique ID generated by the system.	No

ResourceRoleAssignment

Description: ResourceRoleAssignment Fields.

Field	Type	Description	Read-Only
primaryFlag	Boolean	Determines whether this is the resource's main role. You can only assign one primary role per resource. A resource is not required to have a primary role.	No
Proficiency	ENUM	The skill level of the resource. Valid Values are: 'FIVE'=Master, 'FOUR'=Expert, 'THREE'=Skilled, 'TWO'=Proficient, and 'ONE'=Inexperienced.	No
resourceCode	String	The unique identifier for the resource or role.	Yes
resourceId	ForeignKey	The identifier for the resource assigned to the role.	No
resourceName	String	The name of the resource.	Yes
resourceRoleAssignmentId	String	The unique ID generated by the system.	No
roleCode	String	The user-specified identifier of the role.	Yes
roleId	ForeignKey	The identifier for the role assigned to the resource.	No
roleName	String	The name of the role.	Yes
workspaceCode	String	The user-specified identifier of a workspace.	Yes

Risk

Description: The risk object represents a probabilistic event or condition which if it occurs has an impact on the project.

Field	Type	Description	Read-Only
activityImpactQuantified	Boolean	Indicates when an activity is linked to a risk.	Yes
actualCostImpact	Double	The actual cost impact due to the risk	No

Field	Type	Description	Read-Only
		occurring.	
actualResponseCost	Double	The actual base currency cost of implementing the response action.	No
actualResponseCostProject	Double	The actual project currency cost of implementing a response action.	Yes
actualScheduleImpact	Double	The actual schedule impact due to the risk occurring.	No
addressLine1	String	The first line of the address for the location. This might be the building number and street address.	No
addressLine2	String	The second line of the address for the location. This might be the building number and street address.	No
cause	String	A description of the cause of the risk.	No
cityName	String	The name of the city for the location.	No
contingency	Double	The allowable risk cost should the risk occur.	No
costImpactQuantified	Boolean	Determines whether the cost impact is overridden.	No
countryCode	String	The country code for the location.	No
description	String	A detailed summary of the risk.	No
effect	String	The resulting effect of the presence of the risk.	No
hasPostResponseData	Boolean	Determines whether the risk has post-response values.	No
identifiedDate	DateTime	The date the risk was added to the project.	No
impactedDate	DateTime	The date the risk impacted the project.	No
latitude	Double	The geographical coordinate for the latitude of the location.	No
locationName	String	A name for the location that users will understand and recognize.	No
longitude	Double	The geographical coordinate for the longitude of the location.	No
plannedResponseCost	Double	The estimated cost associated with	Yes

Field	Type	Description	Read-Only
		implementing the response action.	
plannedResponseCostProject	Double	The estimated project currency cost of implementing a response action.	No
postalCode	String	The postal code, post code, or zip code of the location.	No
postExposureCost	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk using base currency.	Yes
postExposureCostProject	Double	The mean post-response probability of the risk multiplied by the mean post-response cost impact of the risk using project currency.	Yes
postQuantifiedCostThreshold	Double	The estimated impact size that the risk will have on the project cost after implementing a response action.	Yes
postResponseMeanCostImpact	Double	The cost the risk contributes to the total project post-response average cost.	Yes
postResponseMeanDelay	Double	The duration the risk contributes to the total project post-response average delay.	Yes
postResponsePessimisticCostDeltaAbs	Double	The variance in the project post-response pessimistic cost caused by removing the risk during a risk analysis.	Yes
postResponsePessimisticFinishDeltaAbs	Double	The variance in the project post-response pessimistic finish caused by removing the risk during a risk analysis.	Yes
postScore	Integer	The risk calculation based on the post-response values defined for probability,cost impact, schedule impact, and any additional user-defined impacts for the risk.	Yes
preExposureCost	Double	The mean pre-response probability of the risk multiplied by the mean pre-response cost impact of the risk using base currency.	Yes
preExposureCostProject	Double	The mean pre-response probability of the risk multiplied by the mean	Yes

Field	Type	Description	Read-Only
		pre-response cost impact of the risk using project currency.	
preQuantifiedCostThreshold	Double	The estimated impact size that the risk will have on the project cost before implementing a response action.	Yes
preResponseMeanCostImpact	Double	The cost the risk contributes to the total project pre-response average cost.	Yes
preResponseMeanDelay	Double	The duration the risk contributes to the total project pre-response average delay.	Yes
preResponsePessimisticCostDeltaAbs	Double	The variance in the project pre-response pessimistic cost caused by removing the risk during a risk analysis.	Yes
preResponsePessimisticFinishDeltaAbs	Double	The variance in the project pre-response pessimistic finish caused by removing the risk during a risk analysis.	Yes
probabilityImpactQuantified	Boolean	Determines whether the probability impact is overridden.	No
projectCode	String	The short name of the associated project.	Yes
projectId	ForeignKey	The unique ID of the associated project.	No
projectRiskId	String	The unique ID generated by the system.	No
projectRiskStatus	ENUM	The current status of the Risk. Valid values are 'Proposed', 'Open', 'Monitoring', 'Impacting', 'Cannot Impact', 'Impacted', and 'Rejected.	No
quantifiedPostResponseProbabilityThreshold	Double	The probability threshold that a risk will occur after implementing a response action.	Yes
quantifiedPostResponseScheduleThreshold	Double	The estimated impact size that the risk will have on the project schedule after implementing a response action.	Yes
quantifiedProbabilityThreshold	Double	The estimated probability that a risk will not occur before implementing a response action.	Yes

Field	Type	Description	Read-Only
quantifiedScheduleThreshold	Double	The estimated impact size that the risk will have on the project schedule before implementing a response action.	Yes
riskCode	String	The unique identifier for the risk.	No
riskName	String	The name of the risk.	No
riskStatus	Enum	Redundant if you upgrade to the current version. Replaced by projectRiskStatus.	No
riskType	Enum	The type of risk. Threat: A risk that can negatively impact the project. Opportunity: A risk that can benefit the project.	No
scheduleImpactQuantified	Boolean	Determines whether the schedule impact is overridden.	No
score	Integer	The risk calculation based on the pre-response values defined for probability,cost impact, schedule impact, and any additional user-defined impacts for the risk	Yes
stateCode	String	The code for the state, region, or province of the location.	No
stateName	String	The name of the state, region, or province of the location.	No
workspaceCode	String	The unique identifier of the workspace.	Yes

RiskImpact

Description: The risk impact object stores the pre-response qualitative value assigned to a risk for each of the risk thresholds.

Field	Type	Description	Read-Only
postRiskScoreThresholdCode	String	The code of the associated post risk threshold.	No
postRiskScoreThresholdId	ForeignKey	The id of the associated post risk threshold.	No
projectCode	String	The unique identifier of the project.	Yes

Field	Type	Description	Read-Only
projectRiskId	ForeignKey	The unique ID of the associated risk.	No
riskCode	String	The short name of the associated risk.	Yes
riskImpactId	String	The unique ID generated by the system.	No
riskScoreThresholdCode	String	The short name of the associated risk threshold level.	No
riskScoreThresholdId	ForeignKey	The unique ID of the associated risk threshold level.	No
riskScoreTypeId	ForeignKey	The unique ID of the associated risk threshold.	No
riskScoreTypeName	String	The name of the associated risk threshold.	No
workspaceCode	String	The unique identifier of the workspace.	Yes

RiskMatrix

Description: The risk matrix object contains the name and description of each probability and impact diagram (PID). The Risk Matrix is then used to qualitatively assess each risk and assign a score.

Field	Type	Description	Read-Only
impactLevels	Int	The number of levels for the impact thresholds assigned to the risk scoring matrix. This impact level with the probability level determines the size of the matrix.	Yes
isActive	Boolean	The indication of whether the response plan is currently active for the associated risk. Only one response plan can be active at a given time for a risk.	No
matrixDescription	String	The detailed summary of the risk scoring matrix.	No
matrixName	String	The name of the risk scoring matrix.	No
probabilityLevels	Int	A count of the number of levels (thresholds) for the probability scoretype associated with the matrix. This does not count the Negligible level.	Yes

Field	Type	Description	Read-Only
projectId	Foreign Key to Project	The unique project ID generated by the system.	No
riskMatrixId	String	The unique ID generated by the system.	No
riskScoreMatrixMethod	Enum	The type of calculation used to obtain an overall impact value. The valid values are Highest Impact and Average Impact.	No

RiskMatrixScore

Description: The risk matrix score object stores the score values from the probability and impact diagram (PID) of the risk score matrix.

Name	Type	Description	ReadOnly
matrixName	String	The name of the associated risk matrix.	Yes
probabilityThresholdLevel	Int	The level number of the probability threshold. Valid numbers are 1-9.	No
riskMatrixId	ForeignKey	The unique ID of the associated risk matrix.	No
riskMatrixScoreId	String	The unique ID generated by the system.	No
severityEight	Int	The eighth severity level of the Risk Matrix Score.	No
severityEightLabel	String	The label for the eighth severity level.	No
severityFive	Int	The fifth severity level of the Risk Matrix Score.	No
severityFiveLabel	String	The label for the fifth severity level.	No
severityFour	Int	The fourth severity level of the Risk Matrix Score.	No
severityFourLabel	String	The label for the fourth severity level.	No
severityNine	Int	The ninth severity level of the Risk Matrix Score.	No
severityNineLabel	String	The label for the ninth severity	No

		level.	
severityOne	Int	The first severity level of the Risk Matrix Score.	No
severityOneLabel	String	The label for the first severity level.	No
severitySeven	Int	The seventh severity level of the Risk Matrix Score.	No
severitySevenLabel	String	The label for the seventh severity level.	No
severitySix	Int	The sixth severity level of the Risk Matrix Score.	No
severitySixLabel	String	The label for the sixth severity level.	No
severityThree	Int	The third severity level of the Risk Matrix Score.	No
severityThreeLabel	String	The label for the third severity level.	No
severityTwo	Int	The second severity level of the Risk Matrix Score.	No
severityTwoLabel	String	The label for the second severity level.	No

RiskMatrixThreshold

Description: The risk matrix threshold object creates a relationship between a RiskThreshold object and a RiskMatrix object. This allows a single RiskThreshold object to be associated with multiple RiskMatrix objects.

Name	Type	Description	Read-Only
matrixName	String	The name of the associated risk matrix.	Yes
projectId	ForeignKey to Project	The unique project ID generated by the system.	No
riskMatrixId	ForeignKey	The unique ID of the associated risk matrix.	No
riskMatrixScoreTypeId	String	The unique ID generated by the system.	No
riskScoreTypeId	ForeignKey	The unique ID of the associated risk threshold.	No

Name	Type	Description	Read-Only
riskScoreTypeName	String	The name of the associated risk threshold.	Yes
riskThresholdCode	String	The code of the risk threshold.	No

RiskMatrixTolerance

Description: The risk matrix Tolerance test.

Field	Type	Description	Read-Only
color	String	The color associated with tolerance range in the risk matrix.	No
matrixName	String	The name of the associated risk matrix.	No
riskMatrixId	ForeignKey	The unique ID of the associated risk matrix.	No
riskMatrixToleranceId	String	The unique ID generated by the system.	No
value	String	The value associated with the tolerance range in the risk matrix.	No

RiskOverrideCost

Description: The risk override object allows for Cost overrides on a risk.

Name	Type	Description	Read-Only
postResponseDistributionShape	Enum	The post-response shape of the risk curve override. Valid values are Triangle, Uniform, and SinglePoint.	No
postResponseMaximumCost	Double	The post-response maximum amount.	No
postResponseMaximumProjectCost	Double	The maximum cost of responding to a risk event that has occurred. Calculated in project currency.	Yes
postResponseMinimumCost	Double	The post-response minimum amount.	No
postResponseMinimumProjectCost	Double	The minimum cost of responding to a risk event that has occurred. Calculated in	Yes

Name	Type	Description	Read-Only
		project currency.	
postResponseMostLikelyCost	Double	The post-response most likely amount.	No
postResponseMostLikelyProjectCost	Double	The most likely cost of responding to a risk event that has occurred. Calculated in project currency.	Yes
preResponseDistributionShape	Enum	The pre-response shape of the risk curve override. Valid values are Triangle, Uniform, and SinglePoint.	No
preResponseMaximumCost	Double	The pre-response maximum cost.	No
preResponseMaximumProjectCost	Double	The maximum cost of preparing for a risk event that has not occurred. Calculated in project currency.	Yes
preResponseMinimumCost	Double	The pre-response minimum cost.	No
preResponseMinimumProjectCost	Double	The minimum cost of preparing for a risk event that has not occurred. Calculated in project currency.	Yes
preResponseMostLikelyCost	Double	The pre-response most likely cost.	No
preResponseMostLikelyProjectCost	Double	The most likely cost of preparing for a risk event that has not occurred. Calculated in project currency.	Yes
projectRiskId	ForeignKey	The unique ID of the associated risk.	No
quantifiedCostImpactId	String	The unique ID generated by the system.	No

RiskOverrideOther

Description: The risk override object allows for Probability and Schedule overrides on a risk.

Field	Type	Description	Read-Only
maximum	Double	The pre/post response maximum value.	No
minimum	Double	The pre/post response minimum value.	No

Field	Type	Description	Read-Only
mostLikely	Double	The pre/post response most likely value.	No
preOrPostResponse	Enum	The type of response for the non-cost override. Valid values are "PRE_RESPONSE" or "POST_RESPONSE".	No
projectRiskId	ForeignKey	The unique ID of the associated risk.	No
quantifiedOtherImpactId	String	The unique ID generated by the system.	No
scoreType	Enum	The type of non-cost override. Valid values are "SCHEDULE" or "PROBABILITY".	No
shape	Enum	The shape of the pre/post risk curve override. Valid values are Triangle, Uniform, and SinglePoint.	No

RiskResponseAction

Description: The risk response action object contains the detailed steps that need to occur to complete the risk response plan. Multiple actions can be associated with one response plan and each action can be linked to an activity in the project.

Field	Type	Description	Read-Only
activityCode	String	The activity assigned to a risk response action item.	Yes
activityId	ForeignKey	The unique ID of the associated activity.	No
finishDate	DateTime	The latest finish date of all response action items.	No
plannedFinishDate	DateTime	The latest scheduled finish date of all the response action items.	No
plannedStartDate	DateTime	The earliest scheduled start date of all response plan action items.	No
projectCode	String	The short name of the associated project.	Yes
projectId	ForeignKey	The unique ID of the associated project.	No
projectRiskCode	String	The short name of the associated risk.	Yes

Field	Type	Description	Read-Only
riskMitigationCode	String	The unique identifier for the risk response plan action item.	No
riskMitigationId	String	The unique ID generated by the system.	No
riskMitigationName	String	The name of the risk response plan.	No
riskMitigationStatus	Enum	The status of the response action item. The valid values are: Proposed, Sanctioned, Rejected, In-Progress, and Complete.	No
riskResponsePlanCode	String	The short name of the associated risk response plan.	Yes
score	Int	The risk score from the numeric PID after the response action has been completed.	Yes
startDate	DateTime	The earliest start date of all response plan action items.	No

RiskResponseActionImpact

Description: The risk response action impact object is a post-risk response action qualitative value that is assigned to a risk for each of the risk thresholds.

Field	Type	Description	Read-Only
projectCode	String	The short name of the associated project.	Yes
projectId	ForeignKey	The unique ID of the associated project.	No
riskCode	String	The short name of the associated risk.	Yes
riskMitigationCode	String	The short name of the associated risk response action.	Yes
riskMitigationId	ForeignKey	The unique ID of the associated risk response action.	No
riskResponseActionImpactId	String	The unique ID generated by the system.	Yes
riskResponseActionName	String	The name of the associated risk response action.	No
riskScoreThresholdCode	String	The short name of the associated risk threshold level.	Yes

Field	Type	Description	Read-Only
riskScoreThresholdId	ForeignKey	The unique ID of the associated risk threshold level.	No
riskScoreTypeId	ForeignKey	The unique ID of the associated risk threshold.	No
riskScoreTypeName	String	The name of the associated risk threshold.	Yes
riskThresholdLevelName	String	The name of the associated risk threshold level.	Yes

RiskResponsePlan

Description: The risk response plan object communicates how the project team plans to address the identified risk.

Field	Type	Description	Read-Only
isActive	Boolean	Designates the risk response plan as active for the project.	No
projectCode	String	The short name of the associated project.	Yes
projectId	ForeignKey	The unique ID of the associated project.	No
projectRiskId	ForeignKey	The unique ID of the associated risk.	No
responseType	Enum	The type of response actions implemented for threats or opportunities. For Threats, the valid values are Accept, Avoid, Reduce, and Transfer. For Opportunities, the valid values are Enhance, Exploit, Facilitate, and Reject.	No
riskCode	String	The short name of the associated risk.	Yes
riskName	String	The name of the associated risk.	Yes
riskResponsePlanCode	String	The unique identifier for the risk response plan.	No
riskResponsePlanId	String	The unique ID generated by the system.	Yes
riskResponsePlanName	String	The name of the risk response plan.	No

RiskThreshold

Description: The risk threshold object contains the name, description, and type of each risk threshold. Risk thresholds provide a mechanism for setting up the criteria that is used to assess the risk.

Field	Type	Description	Read-Only
riskScoreTypeId	String	The unique ID generated by the system.	No
riskScoreTypeName	String	The name of the risk threshold.	No
scoreType	Enum	The type of Risk Threshold. Valid types are 'Probability', 'Tolerance', 'Schedule', 'Cost', 'Relative Schedule', 'Relative Cost' and 'User Defined'.	No

RiskThresholdLevel

Description: The risk threshold level object stores the level information (e.g. Low, Medium, High) for each risk threshold.

Field	Type	Description	Read-Only
color	String	The Hex representation for the color e.g. 0xFFFFFF.	No
costRange	Double	The cost range of the threshold level.	Yes
level	Int	The valid values are between 0 and 9. Defines a level for the risk threshold.	No
lower	String	The lower limit of the risk score threshold range.	No
probabilityRange	Double	The probability range of the threshold level.	Yes
range	String	The user defined range.	Yes
riskScoreThresholdCode	String	The unique identifier for the risk threshold level.	No
riskScoreThresholdId	String	The unique ID generated by the system.	No
riskScoreThresholdName	String	The name for the risk threshold level.	No
riskScoreTypeId	Foreign Key	The unique ID of the associated risk threshold.	Yes

Field	Type	Description	Read-Only
riskScoreTypeName	String	The name of the risk threshold.	Yes
scheduleRange	Double	The schedule range of the threshold level.	Yes
stringValue	String	The value of the string.	No
thresholdType	Enum	The type of Risk Threshold. Valid types are 'PROBABILITY', 'TOLERANCE', 'SCHEDULE', 'COST', 'RELATIVE_SCHEDULE', 'RELATIVE_COST' and 'USER'.	Yes
toleranceRange	Int	The tolerance range of the threshold level.	Yes
upper	String	The upper limit of the risk score threshold range.	No

Role

Description: Roles are project personnel job titles or skills, such as mechanical engineer, inspector, or carpenter. They represent a type of resource with a certain level of proficiency rather than a specific individual.

Field	Type	Description	Read-Only
calculateCostFromUnits	Boolean	The option that indicates whether costs and quantities are linked, and whether quantities should be updated when costs are updated.	No
description	String	Additional information for the role.	No
parentId	ForeignKey	The unique ID of the parent role of this role in the hierarchy.	No
roleCode	String	The unique identifier of the role.	No
roleId	String	The unique ID generated by the system.	No
roleName	String	The name of the role.	No

RoleRate

Description: Role rates provide a way to specify multiple role prices and maximum units per time values that vary over time.

Field	Type	Description	Read-Only
effectiveStartDate	DateTime	The effective time period of the role rate.	No
maxUnitsPerTime	Double	The maximum work units per time this role can perform on all assigned activities.	No
roleId	ForeignKey	The unique ID of the associated role	No
roleWorkRateid	String	The unique ID generated by the system	No
pricePerUnit1	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in base currency.	No
pricePerUnit1Project	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in project currency.	Yes
pricePerUnit2	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in base currency.	No
pricePerUnit2Project	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in project currency.	Yes
pricePerUnit3	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in base currency.	No
pricePerUnit3Project	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in project currency.	Yes
pricePerUnit4	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in base currency.	No
pricePerUnit4Project	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in project currency.	Yes
pricePerUnit5	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in base currency.	No
pricePerUnit5Project	Double	The price per unit associated with the role. The price per unit is used to calculate costs for roles assigned to activities in project currency.	Yes

UDFType

Description: User-defined fields (UDFs) enable users to add custom fields and values to the project database.

Field	Type	Description	Read-Only
columnDefinitionId	String	The unique ID generated by the system.	No
dataType	Enum	The data type of the user-defined field: "Text", "Start Date", "Finish Date", "Cost", "Double", "Integer", "Indicator", or "Code".	No
flexObject	Enum	The subject area of the user-defined field.	No
label	String	The name/title of the user-defined field.	No

UnitOfMeasure

Description: UnitOfMeasure Fields.

Field	Type	Description	Read-Only
displayName	String	The name of the unit of measure.	No
key	String	The abbreviation for the unit of measure name.	No
unitOfMeasureId	String	The unique ID generated by the system.	No
workspaceId	String	The unique id of the workspace.	No

WBS

Description: The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.

Name	Type	Description	Read-Only
isWorkPackage	Boolean	Whether this WBS is a work package.	No
parentId	ForeignKey	The unique ID of the parent WBS of this WBS in the hierarchy.	No

Name	Type	Description	Read-Only
projectCode	String	The project Id of the WBS.	Yes
projectId	ForeignKey	The unique ID of the associated project.	No
sequenceNumber	Int	The sequence number of the WBS.	No
wbsCode	String	The unique identifier for the WBS.	No
wbsId	String	The unique ID generated by the system.	No
wbsName	String	The name of the WBS.	No

WBSSpread

Description: Project phase/curve/spread data for the project cash flow.

Field	Type	Description	Read-Only
ActualTotalCost	Double	ActualTotalCost	No
AtCompletionTotalCost	Double	AtCompletionTotalCost	No
EndDate	DateTime	The WBS spread end date.	No
ObjectId	String	The unique ID generated by the system.	Yes
PeriodType	String	The type of period for summarized spread data.	No
PlannedTotalCost	Double	PlannedTotalCost	No
ProjectId	String	The project Id of the WBS Spread.	Yes
ProjectObjectId	ForeignKey	The unique Id of the associated project.	No
StartDate	DateTime	The WBS spread start date.	No

WorkManagerTask

Description: Tasks make it possible to describe and report progress for activity work at a granular level by breaking an activity into its component parts.

Field	Type	Description	Read-Only
activityComplete	String	The activity complete status.	No

Field	Type	Description	Read-Only
Status			
activityDateStatus	String	The activity date status.	No
activityId	ForeignKey	The unique ID of the associated activity.	No
companyName	String	The project company name of the task.	No
completedDate	DateTime	The completed date of the task.	No
durationHours	String	The duration hours of the task.	No
favorite	Boolean	The Boolean value indicating if the task is flagged.	No
integrationType	String	Indicates the task will be integrated through Gateway.	No
itemCode	String	The task code.	No
overdue	Boolean	The Boolean value indicating if the task is overdue.	No
projectCompanyId	String	The project company id of the task.	No
proposedDueDate	DateTime	The proposed due date for the lean task.	No
startDate	DateTime	The start date of the task.	No
status	String	The status of the task.	No
tentativeDate	DateTime	The tentative date of the task.	No
type	String	The field is used to identify whether the task is just a Task or Task milestone.	No
useCalendar	Boolean	The Boolean value indicating if the calendar should be used.	No
workManagerTaskId	String	The unique ID generated by the system.	No
workManagerTaskName	String	The task name.	No

Workspace

Description: The workspace object contains the information on the workspace hierarchy.

Field	Type	Description	Read-Only
description	String	The description of the workspace.	No
parentId	ForeignKey to Workspace	The unique ID of the parent workspace.	No
workspaceCode	String	The value of the workspace code	No
workspaceId	String	The unique ID generated by the system.	No
workspaceName	String	The name of the workspace.	No

Unifier Business Objects

The following Unifier business objects are available in the **Data Dictionary** menu of the Gateway user interface. Select a specific business object to review a detailed list of fields supported for that business object.

Business Object	Description
CBS	CBS business object
CBSDurationSummary	Create/Update Duration Based Summary Sheet in Unifier.
CBSExpenseSpread	Summarized spread data per CBS per expense category
CBSResourceSpread	Summarized spread data per CBS per resource assignment
CompanyCosts	Company Costs Business Processes
CompanyCostsDetail	Company Costs Detail Business Processes
CompanyLineItem	Company LineItem Business Processes
CompanyLineItemDetail	Company LineItem Detail Business Processes
CompanySimple	Company Simple Business Processes
OtherProjectCosts	Other Project Costs Business Processes
OtherProjectCostsDetail	Other Projects Detail Business Processes
OtherProjectsDetail	Other Project Detail Business Processes
P6ActivitySheet	P6 Activity Sheet business object.
Project	Unifier Project Header
ProjectCommits	Project Commits Business Processes
ProjectCommitsDetail	Project Commits Detail Business Processes
ProjectDocument	Project Document Business Processes
ProjectDocumentDetail	Project Document Detail Business Processes
ProjectInvoices	Project Invoices Business Processes
ProjectInvoicesDetail	Project Invoices Detail Business Processes
ProjectSimple	Project Simple Business Processes
Resource	The Unifier Provider Resource Object definition
Role	The Sample Provider Role Object definition.
ShellList	Unifier Shell List Header
SOV	Schedule of value (SOV) for General, Payment, and

Business Object	Description
	Summary Payment.
WBS	WBS business object

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CBS

Description: CBS business object.

Field	Type	Description	ReadOnly
bitemid	String	The CBS Code id generated by system.	No
code	String	CBS code	No
ElementId	String	The unique ID generated by the system.	No
item	String	CBS code description	No
orderid	String	WBS Order id identifying placement of sibling codes within a hierarchy.	No
parentid	ForeignKey	Parent element Id	No
ProjectNumber	ForeignKey	Project id	No
status	Enum	CBS Status	No
uuu_int_p6_project_id	String	The short code that uniquely identifies the project.	No
uuu_P6ETCComputeType	String	Estimate to Complete computation technique	No
uuu_P6WBSCode	String	WBS Code	No
uuu_P6WBSName	String	WBS Name	No
uuu_parent_id	String	WBS Parent Id	No

CBSDurationSummary

Description: Create/Update Duration Based Summary Sheet in Unifier.

Field	Type	Description	Read-Only
ActualDuration	Double	Actual Duration of work done for a CBS code	No
ActualFinish	DateTime	Actual date when work gets finished for a CBS code	No
ActualStart	DateTime	Actual date when work gets started for a CBS code	No
BaselineType	String	Baseline type of the associated baseline	No
bitemid	ForeignKey	CBS code id	No
DataDate	DateTime	Progress As Of Date	No
ElementId	String	The unique identifier of the Duration Summary.	No

Field	Type	Description	Read-Only
OriginalProjectId	Int	The original Project id for a baseline project	No
PercentComplete	Double	Percentage of total work completed for a CBS code	No
PlannedDuration	Double	Planned Duration of work related to a CBS code	No
PlannedFinish	DateTime	Planned date for work to get finished for a CBS code	No
PlannedStart	DateTime	Planned date for work to get started for a CBS code	No
ProjectNumber	ForeignKey	Project id	No
RemainingDuration	Double	Remaining Duration of work related to a CBS code	No
RemainingFinish	DateTime	Date when Remaining work would finish for a CBS code	No
RemainingStart	DateTime	Date when Remaining work would get started for a CBS code	No
Title	String	Project Title	No

CBSExpenseSpread

Description: Summarized spread data per CBS per expense category.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost for a CBS-Expense combination on a date within Actual Duration	No
ActualUnits	Double	Actual Units for a CBS-Expense combination on a date within Actual Duration	No
AtCompletionCost	Double	At Completion Cost for a CBS-Expense combination on a date within At Completion Duration	No
AtCompletionUnits	Double	At Completion Units for a CBS-Expense combination on a date within At Completion Duration	No
BaselineType	String	Baseline type of the associated baseline	No
bitemid	ForeignKe	CBS code id.	No

Field	Type	Description	Read-Only
	y		
DataDate	DateTime	Progress As Of date	No
ElementId	String	The unique ID generated by the system.	No
EndDate	DateTime	At Completion End date	No
ExpenseCategory	String	Expense Category viz. Equipment, Travel, Facilities, etc.	No
OriginalProjectId	Int	The original Project id of a baseline Project	No
PlannedCost	Double	Planned Cost for a CBS-Expense combination on a date within Planned Duration	No
PlannedUnits	Double	Planned Units for a CBS-Expense combination on a date within Planned Duration	No
ProjectId	String	Project short name	No
ProjectNumber	ForeignKey	The unique Project Number.	No
RemainingCost	Double	Remaining Cost for a CBS-Expense combination on a date within Remaining Duration	No
RemainingUnits	Double	Remaining Units for a CBS-Expense combination on a date within Remaining Duration	No
StartDate	DateTime	At completion Start date	No
SummaryActualCost	Double	Actual Cost for a CBS-Expense combination	No
SummaryActualUnits	Double	Actual Units for a CBS-Expense combination	No
SummaryAtCompletionCost	Double	At Completion Cost for a CBS-Expense combination	No
SummaryAtCompletionUnits	Double	At Completion Units for a CBS-Expense combination	No
SummaryPlannedCost	Double	Planned Cost for a CBS-Expense combination	No
SummaryPlannedUnits	Double	Planned Units for a CBS-Expense combination	No
SummaryRemaini	Double	Remaining cost for a CBS-Expense	No

Field	Type	Description	Read-Only
ngCost		combination	
SummaryRemainingUnits	Double	Remaining Units for a CBS-Expense combination	No
Title	String	Project Title	No
uuu_object_id	Int	The resource Element id of the associated Resource	No

CBSResourceSpread

Description: Summarized spread data per CBS per resource assignment.

Field	Type	Description	Read-Only
ActualCost	Double	Actual Cost of work on a date within Actual Duration	No
ActualUnits	Double	Actual Units of work on a date within Actual Duration	No
AtCompletionCost	Double	At Completion Cost of work on a date within Actual Duration	No
AtCompletionUnits	Double	At Completion Units on a date within Actual Duration	No
BaselineType	String	Baseline type of the associated baseline	No
bitemid	ForeignKey	CBS code id.	No
currencyid	String	Currency Code	No
DataDate	DateTime	Progress As Of date	No
ElementId	String	The unique ID generated by the system.	No
EndDate	DateTime	At Completion End date	No
OriginalProjectId	Int	The Original Project id of a Baseline Project	No
PlannedCost	Double	Planned Cost of work on a date within Planned Duration	No
PlannedUnits	Double	Planned Units of work on a date within Planned Duration	No
ProjectId	String	Project short name	No

Field	Type	Description	Read-Only
ProjectNumber	ForeignKey	The unique Project Number.	No
RemainingCost	Double	Remaining Cost of work on a date within Actual Duration	No
RemainingUnits	Double	Remaining Units of work on a date within Remaining Duration	No
StartDate	DateTime	At Completion Start date	No
SummaryActualCost	Double	Actual Cost of work for a CBS-Resource combination	No
SummaryActualFinish	DateTime	Actual Finish Date of work for a CBS-Resource combination	No
SummaryActualStart	DateTime	Actual Start Date of work for a CBS-Resource combination	No
SummaryActualUnits	Double	Actual Units of work for a CBS-Resource combination	No
SummaryAtCompletionCost	Double	Cost when work for a CBS-Resource combination will be completed	No
SummaryAtCompletionUnits	Double	Units to complete work for a CBS-Resource combination	No
SummaryPlannedCost	Double	Planned Cost of work related to a CBS-Resource combination	No
SummaryPlannedFinish	DateTime	Planned date for work to get finished for a CBS-Resource combination	No
SummaryPlannedStart	DateTime	Planned date for work to get started for a CBS-Resource combination	No
SummaryPlannedUnits	Double	Planned Units of work related to a CBS-Resource combination	No
SummaryRemainingCost	Double	Remaining cost of work for a CBS-Resource combination	No
SummaryRemainingFinish	DateTime	Finish Date of remaining work for a CBS-Resource combination	No
SummaryRemainingStart	DateTime	Start Date of remaining work for a CBS-Resource combination	No
SummaryRemainingUnits	Double	Remaining Units of work for a CBS-Resource combination	No
Title	String	Project Title	No

Field	Type	Description	Read-Only
UnitName	String	Role Unit of Measure Name	No
uuu_object_id	Int	The resource Element id of the associated Resource	No
uuu_role_id	String	Role Id	No
uuu_role_name	String	Role Name	No
uuu_role_type	String	Role Type	No
uuu_role_uom	String	Role Unit of Measure Abbreviation	No

column

Description: Cost Sheet Column Data.

Field	Type	Description	Read-Only
amount	Double	Amount	No
ElementId	String	The unique ID generated by the system.	No
long_description	String	Long Description	No
quantity	Double	Quantity	No
short_description	String	Short Description	No
spends_category	String	Spends Category	No
unit_cost	Double	Unit Cost	No
unit_of_measure	String	Unit of Measure	No
wbs_code	String	Cost Code	No

CompanyCosts

Description: Company Costs Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
creator_id	Int	Creator	No
ElementId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
record_no	String	Record Number	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No

CompanyCostsDetail

Description: Company Costs Detail Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentElementId	ForeignKey	Unique id of the parent company cost	No
record_no	String	Parent Record Number	No
short_desc	String	Short Description	No
uuu_quantity	Double	Item Quantity	No
uuu_tab_id	String	Tab Name	No
uuu_unit_price	Double	Item Unit Cost	No

CompanyLineItem

Description: Company LineItem Business Processes.

Field	Type	Description	Read-Only
creator_id	Int	Creator	No
due_date	DateTime	Due Date	No
ElementId	String	The unique ID generated by the system.	No
record_no	String	Record Number	No
status	String	Status	No

title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No
uuu_week_picker	DateTime	Week Of	No

CompanyLineItemDetail

Description: Company Line item Detail Business Processes.

Field	Type	Description	Read-Only
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentElementId	ForeignKey	Unique id of the parent company line item	No
record_no	String	Parent Record Number	No
short_desc	String	Short Description	No
uuu_tab_id	String	Tab Name	No
uuu_week_picker	DateTime	Week Of	No

CompanySimple

Description: Company Simple Business Processes.

Field	Type	Description	Read-Only
creator_id	Int	Creator	No
due_date	DateTime	Due Date	No
ElementId	String	The unique ID generated by the system.	No
record_no	String	Record Number	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No

exchange_rate

Description: Exchange Rate.

Field	Type	Description	Read-Only
currency_code	String	Currency Code	No
currency_name	String	Currency Name	No
ElementId	String	The unique ID generated by the system.	No
rate	Double	Currency Rate	No

OtherProjectCosts

Description: Other Project Costs Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
creator_id	Int	Creator	No
ElementId	String	The unique ID generated by the system.	No
ProjectNumber	ForeignKey	The unique Project Number.	No
record_no	String	Record Number	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No

OtherProjectCostsDetail

Description: Other Projects Detail Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
bItemID	String	Cost Code	No
description	String	Description	No

Field	Type	Description	Read-Only
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentElementId	ForeignKey	Unique id of the parent other project cost object	No
record_no	String	Parent Record Number	No
short_desc	String	Short Description	No
uuu_effective_date	DateTime	Effective Date	No
uuu_fund_code	String	Fund Code	No
uuu_quantity	Double	Item Quantity	No
uuu_tab_id	String	Tab Name	No
uuu_unit_price	Double	Item Unit Cost	No
wpid	String	Work Package	No

P6ActivityAssignment

Description: Resource assignments track the work of resources or roles that are performing various activities.

Field	Type	Description	Read-Only
ActivityElementId	ForeignKey	The unique ID of the activity to which the resource is assigned.	No
bitemid	String	CBS Code	No
DailySpreadActualCost	String	The actual cost of the assignment for daily spread.	Yes
DailySpreadActualOvertimeCost	String	The actual overtime cost for the resource assignment on the activity for daily spread. Computed as daily spread actual overtime cost = daily spread actual overtime units * cost per time * overtime factor.	Yes
DailySpreadActualOvertimeUnits	String	The actual overtime units worked by the resource on this activity for daily spread.	Yes
DailySpreadActualRegular	String	The actual non-overtime cost for	Yes

Field	Type	Description	Read-Only
Cost		the resource assignment on the activity for daily spread.	
DailySpreadActualRegularUnits	String	The actual non-overtime units worked by the resource on this activity for daily spread.	Yes
DailySpreadActualUnits	String	The actual non-overtime plus overtime units worked by the resource on this activity for daily spread.	Yes
DailySpreadAtCompletionCost	String	The sum of the actual plus remaining costs for the resource assignment on the activity for daily spread.	Yes
DailySpreadAtCompletionUnits	String	The sum of the actual plus remaining units for the resource assignment on the activity for daily spread.	Yes
DailySpreadPlannedCost	String	The planned cost for the resource assignment on the activity for daily spread.	Yes
DailySpreadPlannedUnits	String	The planned units of work for the resource assignment on the activity for daily spread.	Yes
DailySpreadRemainingCost	String	The remaining cost for the resource assignment on the activity for daily spread.	Yes
DailySpreadRemainingLateCost	String	Field Description	Yes
DailySpreadRemainingLateUnits	String	Field Description	Yes
DailySpreadRemainingUnits	String	The remaining units of work to be performed by this resource on this activity for daily spread.	Yes
DailySpreadStaffedRemainingCost	String	The time distribution of the resource's remaining cost for resource assignment that has filled a role for daily spread.	Yes
DailySpreadStaffedRemainingLateCost	String	Field Description	Yes
DailySpreadStaffedRemaini	String	Field Description	Yes

Field	Type	Description	Read-Only
ngLateUnits			
DailySpreadStaffedRemainingUnits	String	The time distribution of the resource's remaining units for resource assignments that have filled a role for daily spread.	Yes
DailySpreadUnstaffedRemainingCost	String	The time distribution of the resource's remaining cost for resource assignments that have not filled a role for daily spread.	Yes
DailySpreadUnstaffedRemainingLateCost	String	Field Description	Yes
DailySpreadUnstaffedRemainingLateUnits	String	Field Description	Yes
DailySpreadUnstaffedRemainingUnits	String	The time distribution of the resource's remaining units for resource assignments that not filled a role for daily spread.	Yes
ElementId	String	The unique ID generated by the system.	No
ProjectElementId	ForeignKey	The unique ID of the associated project.	No
uuu_activity_id	String	Activity Id	No
uuu_int_p6_project_id	String	The short code that uniquely identifies the project.	Yes
uuu_P6ActivityAssignmentElementId	String	The unique ResourceAssignment ID generated by the system.	No
uuu_P6ActualCost	Double	Actual Cost	No
uuu_P6ActualDuration	Double	The actual duration for the resource assignment on the activity.	Yes
uuu_P6ActualFinish	DateTime	The date the resource actually finished working on the activity.	No
uuu_P6ActualStart	DateTime	The date the resource actually started working on the activity.	No
uuu_P6ActualUnits	Double	Actual Units	No
uuu_P6AtCompletionCost	Double	At Completion Cost	No
uuu_P6AtCompletionUnits	Double	At Completion Units	No

Field	Type	Description	Read-Only
uuu_P6PlannedCost	Double	Planned Cost	No
uuu_P6PlannedDuration	Double	The planned working time for the resource assignment on the activity, from the resource's planned start date to the planned finish date.	No
uuu_P6PlannedFinish	DateTime	The date the resource is scheduled to finish working on the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
uuu_P6PlannedStart	DateTime	The date the resource is scheduled to begin working on the activity. This date is computed by the project scheduler but can be updated manually by the project manager.	No
uuu_P6PlannedUnits	Double	Planned Units	No
uuu_P6PlannedUnitsPerTime	Double	The planned units per time at which the resource is to perform work on this activity.	No
uuu_P6PricePerUnit	Double	Price Per Unit	No
uuu_P6RateSource	Enum	Rate Source	No
uuu_P6RemainingCost	Double	Remaining Cost	No
uuu_P6RemainingDuration	Double	The remaining duration of the resource assignment. The remaining duration is the remaining working time for the resource assignment on the activity, from the resource's remaining start date to the remaining finish date.	No
uuu_P6RemainingUnits	Double	Remaining Units	No
uuu_P6RemainingUnitsPerTime	Double	The units per time at which the resource will be performing work on the remaining portion of this activity.	No
uuu_P6RoleName	String	The name of the role. The role name uniquely identifies the role.	Yes

Field	Type	Description	Read-Only
uuu_resource_id	ForeignKey	Resource Id	Yes
uuu_role_id	ForeignKey	Role Id	Yes

P6ActivitySheet

Description: P6 Activity Sheet business object.

Field	Type	Description	Read-Only
bitemid	String	Cost Code	Yes
DailySpreadActualCost	String	The actual cost of the project for daily spread.	Yes
DailySpreadActualExpenseCost	String	The actual costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadActualLaborCost	String	The actual costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	No
DailySpreadActualLaborUnits	String	The actual units for all labor resources assigned to the activity for daily spread.	No
DailySpreadActualMaterialCost	String	The sum of all regular and overtime costs for material resources for daily spread.	Yes
DailySpreadActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	No
DailySpreadActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for daily spread.	No

Field	Type	Description	Read-Only
DailySpreadActualTotalCost	String	The actual total cost for the activity, including labor resources, nonlabor resources, and project expenses for daily spread. Calculated as Daily spread actual labor costs + daily spread actual nonlabor costs + daily spread actual expense costs.	Yes
DailySpreadAtCompletionExpenseCost	String	The sum of the actual plus remaining costs for all expenses associated with the activity for daily spread. Computed as daily spread actual expense cost + daily spread remaining expense cost.	Yes
DailySpreadAtCompletionLaborCost	String	The sum of the actual plus remaining costs for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor cost + daily spread remaining labor cost.	No
DailySpreadAtCompletionLaborUnits	String	The sum of the actual plus remaining units for all labor resources assigned to the activity for daily spread. Computed as daily spread actual labor units + daily spread remaining labor units.	No
DailySpreadAtCompletionMaterialCost	String	The sum of all daily spread actual and daily spread remaining costs for material resources.	Yes
DailySpreadAtCompletionNonLaborCost	String	The sum of the actual plus remaining costs for all nonlabor resources assigned to the activity for daily spread. Computed as daily spread actual nonlabor cost + daily spread remaining nonlabor cost.	No
DailySpreadAtCompletionNonLaborUnits	String	The sum of the actual plus remaining units for all nonlabor	No

Field	Type	Description	Read-Only
		resources assigned to the activity for daily spread. Computed as daily spread actual nonlabor units + daily spread remaining nonlabor units.	
DailySpreadAtCompletionTotalCost	String	The total cost at completion for the activity, including labor resources, nonlabor resources, and project expenses for daily spread. Calculated as (at completion labor cost + at completion nonlabor cost + at completion expense cost) for daily spread.	Yes
DailySpreadBaseline1ActualExpenseCost	String	The actual costs for all project expenses associated with the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	Yes
DailySpreadBaseline1ActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline 1 daily spread.	Yes
DailySpreadBaseline1ActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaseline1Actual	String	The actual units for all nonlabor	Yes

Field	Type	Description	Read-Only
NonLaborUnits		resources assigned to the activity for Baseline 1 daily spread.	
DailySpreadBaseline1ActualTotalCost	String	The actual total cost for the activity, including labor resources, nonlabor resources, and project expenses for Baseline 1 daily spread. Calculated as (actual labor costs + actual nonlabor costs + actual expense costs) for daily spread.	Yes
DailySpreadBaseline1PlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for daily spread. This field is named Baseline 1 Budgeted Expense Cost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the primary baseline for daily spread. Computed from the primary baseline at completion labor units.	Yes
DailySpreadBaseline1PlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedMaterialCost	String	The Planned Material Cost for a primary baseline activity for daily spread.	Yes
DailySpreadBaseline1PlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for Baseline 1 daily spread. If no resources are assigned, computed as the activity planned nonlabor units * project default price / time.	Yes

Field	Type	Description	Read-Only
DailySpreadBaseline1PlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named Baseline 1 Budgeted Non Labor Units in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadBaseline1PlannedTotalCost	String	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses for Baseline 1 daily spread. Planned total cost = planned labor cost + planned nonlabor cost + planned expense cost.	Yes
DailySpreadBaselineActualExpenseCost	String	The actual costs for all project expenses associated with the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualLaborCost	String	The actual costs for all labor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual labor units * project default price / time.	Yes
DailySpreadBaselineActualLaborUnits	String	The actual units for all labor resources assigned to the activity for Baseline daily spread.	Yes
DailySpreadBaselineActualMaterialCost	String	The sum of all regular and overtime costs for material resources for Baseline daily spread.	Yes
DailySpreadBaselineActualNonLaborCost	String	The actual costs for all nonlabor resources assigned to the activity for Baseline daily spread. If no resources are assigned, computed as the activity daily spread actual nonlabor units * project default price / time.	Yes
DailySpreadBaselineActualNonLaborUnits	String	The actual units for all nonlabor resources assigned to the activity for Baseline daily spread.	Yes

Field	Type	Description	Read-Only
DailySpreadBaselineActualTotalCost	String	The actual total cost for the activity, including labor resources, nonlabor resources, and project expenses for Baseline daily spread. Calculated as (actual labor costs + actual nonlabor costs actual expense costs) for daily spread.	Yes
DailySpreadBaselinePlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for Baseline daily spread.	Yes
DailySpreadBaselinePlannedLaborCost	String	The cost at completion for all labor resources assigned to the activity in the project baseline for daily spread.	Yes
DailySpreadBaselinePlannedLaborUnits	String	The planned units for all labor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedMaterialCost	String	The planned material cost for a project baseline activity for daily spread.	Yes
DailySpreadBaselinePlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for baseline daily spread.	Yes
DailySpreadBaselinePlannedTotalCost	String	The planned total cost for activity, including labor resources, nonlabor resources, and project expenses for baseline daily spreads.	Yes
DailySpreadEarnedValueCost	String	The portion of the project baseline total cost of the activity that is actually completed as of the project data date for daily spread. Computed as earned value = BAC * performance % complete.	Yes
DailySpreadEarnedValueLa	String	The portion of the project	Yes

Field	Type	Description	Read-Only
borUnits		baseline labor units that is actually completed as of the project data date for daily spread. Computed as labor units earned value - project baseline units * performance % complete.	
DailySpreadEstimateAtCompletionCost	String	The estimated cost at completion of the activity for daily spread. Computed as the daily spread actual total cost plus the estimate-to-complete cost: EAC = ACWP + ETC.	Yes
DailySpreadEstimateAtCompletionLaborUnits	String	The estimated labor units at completion of the activity for daily spread. Calculated as actual labor units + estimate to complete labor units.	Yes
DailySpreadEstimateToCompleteCost	String	The estimated quantity to complete the activity for daily spread. Computed as either the remaining total units for the activity, or as PF * (BL labor units - earned value), depending on the earned-value technique selected for the activity's WBS.	Yes
DailySpreadEstimateToCompleteLaborUnits	String	Field Description	Yes
DailySpreadPlannedExpenseCost	String	The planned costs for all project expenses associated with the activity for daily spread. This field is named BudgetedExpenseCost in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedLaborCost	String	The planned costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread planned labor units * project default price / time.	Yes
DailySpreadPlannedLaborU	String	The planned units for all labor	Yes

Field	Type	Description	Read-Only
nits		resources assigned to the activity for daily spread. This field is named BudgetedLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	
DailySpreadPlannedMaterialCost	String	The sum of all material resource costs for daily spread.	Yes
DailySpreadPlannedNonLaborCost	String	The planned costs for all nonlabor resources assigned to the activity for daily spread. If no resources assigned, computed as the activity daily spread planned nonlabor units * project default price / time.	Yes
DailySpreadPlannedNonLaborUnits	String	The planned units for all nonlabor resources assigned to the activity for daily spread. This field is named BudgetedNonLaborUnits in Primavera's Engineering and Construction and Maintenance and Turnaround solutions.	Yes
DailySpreadPlannedTotalCost	String	The planned total cost for the activity, including labor resources, nonlabor resources, and project expenses for daily spread. Calculated as (planned total cost = planned labor cost + planned nonlabor cost + planned expense cost) for daily spread.	Yes
DailySpreadPlannedValueCost	String	The portion of the project baseline total cost of the activity that is scheduled to be completed as of the project data date for daily spread. Computed as BAC * schedule % complete. Also known as the work scheduled to be performed for the activity.	Yes
DailySpreadPlannedValueLaborUnits	String	The portion of the project baseline labor units that is scheduled to be completed as of	Yes

Field	Type	Description	Read-Only
		the project data date for daily spread. Computed as BL labor units * schedule % complete.	
DailySpreadRemainingExpenseCost	String	The remaining costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLaborCost	String	The remaining costs for all labor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining labor units * project default price / time.	Yes
DailySpreadRemainingLaborUnits	String	The remaining units for all labor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateExpenseCost	String	The remaining late expense costs for all project expenses associated with the activity for daily spread.	Yes
DailySpreadRemainingLateLaborCost	String	The remaining late costs for all labor recourses assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining late labor units * project default price / time.	Yes
DailySpreadRemainingLateLaborUnits	String	The remaining late units for all labor resources assigned to the activity for daily spread. The remaining units reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateMaterialCost	String	The sum of all late material resource remaining costs for daily spread.	Yes
DailySpreadRemainingLateNonLaborCost	String	The remaining late costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned,	Yes

Field	Type	Description	Read-Only
		computed as the activity daily spread remaining late nonlabor units * project default price / time.	
DailySpreadRemainingLateNonLaborUnits	String	The remaining late units for all nonlabor resources assigned to the activity for daily spread. The remaining late units reflect the work remaining to be done for the activity.	Yes
DailySpreadRemainingLateTotalCost	String	The remaining late total cost for the activity, including labor resources, nonlabor resources, and project expenses. Computed as (remaining late labor costs + remaining late nonlabor costs + remaining late expense costs) for daily spread.	Yes
DailySpreadRemainingMaterialCost	String	The sum of all material resource remaining costs for daily spread.	Yes
DailySpreadRemainingNonLaborCost	String	The remaining costs for all nonlabor resources assigned to the activity for daily spread. If no resources are assigned, computed as the activity daily spread remaining nonlabor units * project default price / time.	Yes
DailySpreadRemainingNonLaborUnits	String	The remaining units for all nonlabor resources assigned to the activity for daily spread. The remaining unit reflects the work remaining to be done for the activity.	Yes
DailySpreadRemainingTotalCost	String	DailySpreadRemainingTotalCost	Yes
ElementId	String	The unique identifier of the project.	No
ProjectNumber	ForeignKey	Project id	No
uuu_int_p6_project_id	String	P6 ProjectId	No
uuu_int_p6_project_id	String	Project Id	No

Field	Type	Description	Read-Only
uuu_P6ActivityElementId	String	The unique Activity ID generated by the system.	No
uuu_P6ActivityId	String	P6 Activity id generated by system.	No
uuu_P6ActivityName	String	Activity Name	No
uuu_P6ActivityStatus	String	uuu_P6ActivityStatus	No
uuu_P6ActivityType	String	uuu_P6ActivityType	No
uuu_P6ActualDuration	Double	uuu_P6ActualDuration	No
uuu_P6ActualFinish	DateTime	uuu_P6ActualFinish	No
uuu_P6ActualStart	DateTime	uuu_P6ActualStart	No
uuu_P6ActualTotalCost	Double	uuu_P6ActualTotalCost	No
uuu_P6ActualTotalUnits	Double	Actual Total Units	Yes
uuu_P6AtCompletionDuration	Double	uuu_P6AtCompletionDuration	No
uuu_P6AtCompletionTotalCost	Double	uuu_P6AtCompletionTotalCost	No
uuu_P6AtCompletionTotalUnits	Double	At Completion Total Units	Yes
uuu_P6BAC	Double	Budget at Completion	Yes
uuu_P6CostVariance	Double	Cost Variance	Yes
uuu_P6CPIndex	Double	Cost Performance Index	Yes
uuu_P6CSIndex	Double	Cost Schedule Index	Yes
uuu_P6EACCost	Double	Estimate at Completion	Yes
uuu_P6ETC	Double	Estimate to Complete	Yes
uuu_P6ETCComputeType	String	Estimate to Complete computation technique	No
uuu_P6EVCost	Double	Earned Value Cost	Yes
uuu_P6Finish	DateTime	End date for the activity depending on the status	No
uuu_P6PercentComplete	Double	Percent Complete	No
uuu_P6PerfPercComplete	Double	Performance Percent Complete	Yes
uuu_P6PlannedDuration	Double	uuu_P6PlannedDuration	No
uuu_P6PlannedFinish	DateTime	uuu_P6PlannedFinish	No

Field	Type	Description	Read-Only
uuu_P6PlannedStart	DateTime	uuu_P6PlannedStart	No
uuu_P6PlannedTotalCost	Double	uuu_P6PlannedTotalCost	No
uuu_P6PlannedTotalUnits	Double	Planned Total Units	Yes
uuu_P6PrimaryConstraint	String	Activity Primary Constraint type	No
uuu_P6PrimaryContraint	String	uuu_P6PrimaryContraint	No
uuu_P6PVCost	Double	Planned Value Cost	Yes
uuu_P6RemainingDuration	Double	uuu_P6RemainingDuration	No
uuu_P6RemainingEarlyFinish	DateTime	Reamining Early Finish	No
uuu_P6RemainingEarlyStart	DateTime	Remaining Early Start	No
uuu_P6RemainingTotalCost	Double	uuu_P6RemainingTotalCost	No
uuu_P6RemainingTotalUnits	Double	Remaining Total Units	Yes
uuu_P6ScheduleVariance	Double	Schedule Variance	Yes
uuu_P6SecondaryConstraint	String	Activity Secondary Constraint type	No
uuu_P6SPIndex	Double	Schedule Performance Index	Yes
uuu_P6Start	DateTime	Start date for the activity depending on the status	No
uuu_P6TCPIndex	Double	To Complete Performance Index	Yes
uuu_P6VAC	Double	Variance at Completion	Yes
uuu_P6WBSCode	String	uuu_P6WBSCode	No
uuu_P6WBSElementId	String	The unique WBS ID generated by the system.	No
uuu_P6WBSName	String	uuu_P6WBSName	No
uuu_P6WBSPath	String	The WBS path of the Activity.	No
uuu_parent_id	ForeignKey	Parent WBS Element Id	No

P6ResourceRate

Description: Resource rates provide a way of specifying multiple resource prices and maximum units per time values that vary over time.

Name	Type	Description	Read-Only
effective_date	DateTime	The effective date for the resource price and maximum units per time.	No
ElementId	String	The unique ID generated by the system.	No
standard_rate	Double	The non-overtime price per time for the resource. This price is used to compute costs for any activities the resource is assigned to.	No
uuu_ResourceObjectId	ForeignKey	The unique ID of the associated resource.	No

P6RoleRate

Description: Role rates enable you to select a predefined price per unit for cost calculating when assigning the role to an activity.

Field	Type	Description	Read-Only
effective_date	DateTime	The effective date for the role price and maximum units per time.	No
ElementId	String	The unique ID generated by the system.	No
RoleObjectId	ForeignKey	The unique ID of the associated role.	No
standard_rate	Double	The non-overtime price per time for the role. This price is used to compute costs for any activities the role is assigned to.	No

Project

Description: Unifier Project Header.

Field	Type	Description	Read-Only
data_date	DateTime	The data date of the project.	No
description	String	The description of the project.	No
ElementId	String	The unique identifier of the project.	No
ProjectName	String	The name of the Project.	No
ProjectNumber	String	The Unique Project Number.	No
uuu_int_internal_pr	Int	P6 Internal Project Id	No

Field	Type	Description	Read-Only
oj_id			
uuu_int_schedule_type	Enum	Schedule type of the project - Valid values are "Duration" or "Resource" or "Cost".	No
uuu_location	String	The Location of the project.	No
uuu_P6ETCComputeType	String	Indicates earned value ETC compute type of the project	No
uuu_P6ETCUserValue	Double	The earned value ETC user value for project computing earned value.	No
uuu_project_start_date	DateTime	Project Start Date	No
uuu_shell_status	Enum	The status of the project.	No

ProjectCommits

Description: Project Commits Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
creator_id	Int	Creator	No
currencyid	Int	Transaction Currency	No
currencyrate	Double	Rate in Project Currency	No
description	String	Description	No
due_date	DateTime	Due Date	No
ElementId	String	The unique ID generated by the system.	No
ProjectNumber	ForeignKey	The unique Project Number.	No
record_no	String	Record Number	No
ref_bpo	String	Reference BPO	No
refid	String	Contract/PO	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No

Field	Type	Description	Read-Only
uuu_effective_date	DateTime	Effective Date	No

ProjectCommitsDetail

Description: Project Commits Detail Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
bItemID	String	Cost Code	No
description	String	Description	No
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentDetailId	ForeignKey	Unique id of the parent project commits detail	No
ParentElementId	ForeignKey	Unique id of the parent project commits	No
record_no	String	Parent Record Number	No
ref_bpo_lineitem	String	Reference BPO LineItem	No
short_desc	String	Short Description	No
uuu_quantity	Double	Item Quantity	No
uuu_sovlinum	String	Reference	No
uuu_tab_id	String	Tab Name	No
uuu_unit_price	Double	Item Unit Cost	No
wpid	String	Work Package	No

ProjectDocument

Description: Project Document Business Processes.

Field	Type	Description	Read-Only
creator_id	Int	Creator	No
ElementId	String	The unique ID generated by the system.	No

Field	Type	Description	Read-Only
ProjectNumber	ForeignKey	The unique Project Number.	No
record_no	String	Record Number	No
short_desc	String	Short Description	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No

ProjectDocumentDetail

Description: Project Document Detail Business Processes.

Field	Type	Description	Read-Only
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentElementId	ForeignKey	Unique id of the parent project document	No
record_no	String	Parent Record Number	No
short_desc	String	Short Description	No
uuu_issue_date	DateTime	Issue Date	No
uuu_line_item_status	String	Line Item Status	No
uuu_name	String	Name	No
uuu_tab_id	String	Tab Name	No

ProjectInvoices

Description: Project Invoices Business Processes.

Field	Type	Description	Read-Only
amount	Double	Amount	No
creator_id	Int	Creator	No
currencyid	Int	Transaction Currency	No

Field	Type	Description	Read-Only
due_date	DateTime	Due Date	No
ElementId	String	The unique ID generated by the system.	No
ProjectNumber	ForeignKey	The unique Project Number.	No
record_no	String	Record Number	No
refid	String	Contract/PO	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No
uuu_effective_date	DateTime	Effective Date	No

ProjectInvoicesDetail

Description: Project Invoices Detail Business Processes.

Field	Type	Description	Read-Only
_breakdown	String	Break Down	No
_refnum	String	Reference Number	No
amount	Double	Amount	No
bItemID	String	Cost Code	No
description	String	Description	No
ElementId	String	The unique ID generated by the system.	No
li_num	Int	Line No.	No
ParentDetailId	ForeignKey	Unique id of the parent project invoices detail object	No
ParentElementId	ForeignKey	Unique id of the parent project invoices object	No
record_no	String	Parent Record Number	No
scheduled_value	Double	Scheduled Value	No
short_desc	String	Short Description	No

Field	Type	Description	Read-Only
uuu_effective_date	DateTime	Effective Date	No
uuu_quantity	Double	Item Quantity	No
uuu_tab_id	String	Tab Name	No
uuu_unit_price	Double	Item Unit Cost	No
wpid	String	Work Package	No

ProjectSimple

Description: Project Simple Business Processes.

Field	Type	Description	Read-Only
creator_id	Int	Creator	No
ElementId	String	The unique ID generated by the system.	No
ProjectNumber	ForeignKey	The unique Project Number.	No
record_no	String	Record Number	No
status	String	Status	No
title	String	Title	No
uuu_creation_date	DateTime	Creation Date	No
uuu_dm_publish_path	String	Publish Path	No

Resource

Description: The Unifier Provider Resource Object definition.

Field	Type	Description	Read-Only
default_role	String	Resource Default Role Name	No
ElementId	String	The unique identifier for the Resource.	No
id	String	The unique identifier for the Resource.Same as Element Id	No
uuu_resc_capacity	String	Resource Capacity	No

Field	Type	Description	Read-Only
uuu_resc_code	String	Resource Code	No
uuu_resc_curr	String	Resource Currency	No
uuu_resc_name	String	Resource Name	No
uuu_resc_parent_id	String	Parent Id	No
uuu_resc_short_name	String	Resource Short Name	No
uuu_resc_status	String	Resource Status	No
uuu_resc_type	Enum	The indicator that determines the resource type. Valid values are Labor, Nonlabor, Material.	No
uuu_user_email	String	User E-mail ID	No
uuu_user_firstname	String	User First Name	No
uuu_user_lastname	String	User Last Name	No

Role

Description: The Unifier Provider Role Object definition.

Field	Type	Description	Read-Only
ElementId	String	The unique identifier for the Role.	No
id	String	The unique identifier for the Role.Same as Element Id	No
uuu_role_id	String	The unique identifier of the Role	No
uuu_role_name	String	The name of the resource or role.	No
uuu_role_parent_id	String	Paremt Id	No
uuu_role_short_name	String	Roles short name	No

ShellList

Description: Unifier Shell List Header.

Field	Type	Description	Read-Only
description	String	The description of the project.	No
ElementId	String	The unique identifier of the project.	No
ProjectName	String	The name of the Project.	No
ProjectNumber	String	The Unique Project Number.	No
uuu_int_internal_proj_id	Int	P6 Internal Project Id	No
uuu_int_schedule_type	Enum	Schedule type of the project - Valid values are "Duration" or "Resource" or "Cost".	No
uuu_location	String	The Location of the project.	No
uuu_project_start_date	DateTime	Project Start Date	No
uuu_shell_status	Enum	The status of the project.	No

SOV

Description: Schedule of value for General, Payment, and Summary Payment.

Field	Type	Description	Read-Only
Breakdown	String	Breakdown of SOV.	No
CodeCode	String	Cost code of SOV.	No
CostItem	String	Cost item of SOV.	No
CostLineItemType	String	Cost line item type of SOV.	No
ElementId	String	The unique ID generated by the system.	No
RefNo	String	Reference number of SOV.	No

WBS

Description: The project work breakdown structure (WBS) is a hierarchical arrangement of the products and services produced during and by a project. Each element of a WBS may contain more-detailed WBS elements, activities, or both. WBS are hierarchical objects.

Field	Type	Description	Read-Only
Code	String	The short name of the WBS.	No
ElementId	String	The unique ID generated by the system.	No
ParentObjectId	ForeignKey	The unique ID of the parent WBS of this WBS in the hierarchy.	No
ProjectElementId	ForeignKey	The unique ID of the associated project.	No
ProjectId	String	The project Id of the WBS.	No
ProjectObjectId	ForeignKey	The unique ID of the associated project.	No
uuu_int_p6_project_id	String	The short code that uniquely identifies the project	No
uuu_P6ETCComputeType	String	Estimate to Complete computation technique	No
uuu_P6ETCUserValue	Double	The earned value ETC user value for WBS computing earned value.	No
uuu_P6WBSCode	String	WBS Code	No
uuu_P6WBSName	String	WBS Name	No
uuu_parent_id	String	WBS Parent Id	No

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