



Explore API Documentation

SelfService_Contract_Package

Version 2.0

Last Modified: 11/14/2023

Last Modified By: Swadesh Subedi



Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

Revision	Change Date	Description	Modified By
0.01	6/19/2019	Initial draft	Chase Denton
1.0	2/5/2020	Added Package Type field and sample response - 20.2	Swadesh Subedi
2.0	04/30/2021	Added Purchase Order Id and Purchase Order Value	Swadesh Subedi

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Overview

This API provides all the packages and their budget amounts.

From: Table	To: Table	Relationship	Cardinality ¹	Comment
Contract_Package (P)	Contract_AccountCode (AC)	P.AccountCodeId = AC.AccountCodeId	M:1	AccountCode
Contract_Package (P)	Contract_Discipline (D)	P.DisciplineId = D.DisciplineId	M:1	Discipline Name
Contract_Package(P)	Contract_PackageType(PT)	P.PackageTypeId = PT.PackageTypeId	M:1	Package Type
Contract_Package (P)	Contract_Vendor (V)	P.VendorId = V.VendorId	M:1	Display, Vendor Name
Contract_Package (P)	Contract_PackageRisk (PR)	P.PackageRiskId = PR.PackageRiskId	M:1	Risk Name
Contract_Package (P)	Contract_Currency (CR)	P.CurrencyId = CR.CurrencyId	M:1	Currency Code
Contract_Package (P)	Contract_Project (Prj)	P.ProjectId = Prj.ProjectId	M:1	Project Id, Display, Name, Organization
Contract_Package (P)	Contract_User (U)	P.CreatedById = U.UserId	M:1	Name

API Detail

Direction	From Project Suite	
Pagination	50,000 Rows	
Frequency	All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.	
Trigger Method(s)	All default OData filters are supported	
Average Payload Size	Depends on date range selected	
APIM Name	SelfService_Contract_Package	
Data Refresh/Delta/Incremental Loads	This API must be run as a full refresh each time	
Project Suite	Starting Version	V1.0
	Ending Version	V2.0

Supported Filters

All default OData filters are supported by this API.

Fields

¹ 1:M = One to Many, 1:1 = One to One, M:1 = Many to one

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
PackageId	bigint	NULL	19	NULL	Contract	X
PackageDescription	nvarchar	4000	NULL	NULL	Contract	
ContractId	bigint	NULL	19	NULL	Contract	
ProjectId	bigint	NULL	19	NULL	Contract	
ProjectDisplay	nvarchar	200	NULL	NULL	Contract	
ProjectName	nvarchar	300	NULL	NULL	Contract	
OrganizationId	bigint	NULL	19	NULL	Contract	
AccountCode	nvarchar	50	NULL	NULL	Contract	
EstimateBudget	decimal	NULL	16	NULL	Contract	
OriginalBaseValue	decimal	NULL	16	NULL	Contract	
ContingencyValue	decimal	NULL	16	NULL	Contract	
EscalationEstimate	decimal	NULL	16	NULL	Contract	
UnawardedAdjustmentValue	decimal	NULL	16	NULL	Contract	
OwnerChangeAmount	decimal	NULL	16	NULL	Contract	
Discipline	nvarchar	200	NULL	NULL	Contract	
PackageStatus	varchar	50	NULL	NULL	Contract	
TypeName	nvarchar	50	NULL	NULL	Contract	
Risk	nvarchar	50	NULL	NULL	Contract	
PackageCurrency	nvarchar	50	NULL	NULL	Contract	
PackageScope	nvarchar	4000	NULL	NULL	Contract	
VendorId	bigint	NULL	19	NULL	Contract	
VendorDisplay	nvarchar	250	NULL	NULL	Contract	
VendorName	nvarchar	250	NULL	NULL	Contract	
NeededBy	datetimeoffset	NULL	NULL	7	Contract	
PurchaseAgreementId	nvarchar	20	NULL	NULL	Contract	
PurchaseAgreementValue	nvarchar	20	NULL	NULL	Contract	
PurchaseOrderNumber	nvarchar	20	NULL	NULL	Contract	
PurchaseOrderValue	Decimal	NULL	20	5	Contract	
KickOffDate	datetimeoffset	NULL	NULL	7	Contract	
ContractDeliveryLeadTime	bigint	NULL	19	NULL	Contract	
TotalAvailableFloatDays	bigint	NULL	19	NULL	Contract	
RemainingFloatDays	bigint	NULL	19	NULL	Contract	
IncludeInPrimaryReport	bit	NULL	NULL	NULL	Contract	
PackageCreatedBy	nvarchar	402	NULL	NULL	Contract	
PackageCreatedDate	datetimeoffset	NULL	NULL	7	Contract	
IsActive	bit	NULL	NULL	NULL	Contract	
ModifiedDate	datetimeoffset	NULL	NULL	7	Contract	

Field Descriptions

Name	Description	Example
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PackageId	System generated code for a package	554
PackageDescription	Package name	Building Expansion Joints
ContractId	Contract Id to which the package belongs	7300000166
ProjectId	Project Id of the package	73
ProjectDisplay	Project display number	103570
ProjectName	Name of the project	CHMC- Hubbard Center for Children
OrganizationId	Organization Id of the package	36
AccountCode	Unique ID provided by the customers system natural key	93.70.02.099
EstimateBudget	Estimated budget of the package. Sum of OriginalBase, ContingencyValue, EscalationEstimate, Unawarded and OwnerChangeAmount	2204384.00000
OriginalBaseValue	Original base amount	57850.00000
ContingencyValue	Contingency allocated amount	651.00000
EscalationEstimate	Escalation estimate amount	156.00000
UnawardedAdjustmentValue	Unawarded adjustment amount	156.00000
OwnerChangeAmount	Owner change amount	165184.00000
Discipline	Discipline to which the package belongs	Electrical
PackageStatus	Bid package status	New
Risk	Assigned risk	Medium
PackageCurrency	Currency code	USD
PackageScope	Detailed package scope	Expansion Joints from Unaflex Manufacturing
VendorId	System generated Id for the vendor	2356
VendorDisplay	Vendor display number	0010056918
VendorName	Name of the vendor	Green Solutions Erosion Control LLC
NeededBy	The date and time the package is needed by	2018-02-09 16:12:08.2100000 +01:00
PurchaseAgreementId	Manually entered Id for the purchase agreement	4501047046
PurchaseAgreementValue	Value of the purchase agreement	NULL
PurchaseOrderNumber	Manually entered Purchase Order ID	342
PurchaseOrderValue	Manually entered Purchase Order value	7,298.87
KickOffDate	Kickoff	2018-11-20 06:00:00.0000000 +00:00
ContractDeliveryLeadTime	Lead time for contract target execution.	0
TotalAvailableFloatDays	Number of float days available	-446
RemainingFloatDays	Number of float days that remain	-91

IncludelnPrimaryReport	Whether the package is included in the primary report or not	1
PackageCreatedBy	The person who created the package	Garret Fosmer
PackageCreatedDate	Date the package was created	2018-05-04 15:10:38.3877440 +00:00
IsActive	Indicates if the record is active or has been soft deleted	1
ModifiedDate	Last modified date from all fields	2018-06-05 20:29:17.6200000 +00:00

Sample

```
{
  "PackageId":7,"PackageDescription":"Survey","ContractId":7300000064,"ProjectId":51,"ProjectDisplay":"103606",
  "ProjectName":"TP & LE Myers - South Hicksville","OrganizationId":122,"AccountCode":null,"EstimateBudget":189650.00000,"OriginalBaseValue":189650.00000,"ContingencyValue":0.00000,"EscalationEstimate":0.00000,"UnawardedAdjustmentValue":0.00000,"OwnerChangeAmount":0.00000,"Discipline":"Engineering","PackageStatus":"Completed","TypeName":"Professional services","Risk":"Low","PackageCurrency":"USD","PackageScope":"Survey","VendorId":62872,"VendorDisplay":"0010080314","VendorName":"Woolpert Inc","NeededBy":"2018-02-01T20:23:35.663+01:00","PurchaseAgreementId":null,"PurchaseAgreementValue":null,"PurchaseOrderNumber":null,"PurchaseOrderValue":null,"KickOffDate":"2017-10-04T10:00:00Z","ContractDeliveryLeadTime":0,"TotalAvailableFloatDays":48,"RemainingFloatDays":48,"IncludeInPrimaryReport":true,"PackageCreatedBy":null,"PackageCreatedDate":"2017-12-04T17:06:48.0793876Z","IsActive":true,"ModifiedDate":"2019-06-25T11:58:38.7580938Z"}
}
```

Data Validation

Bid package information can be validated from the Bid package module in Contract application. Clicking on each package will bring up the package details:

The screenshot displays the 'Bid package details' page for contract 7400002937 - ss req - Copy. The contract status is 'Completed'. The original base value is \$100.00, and the total estimate is \$720.00. The page is divided into several sections:

- Bid package details:** Includes fields for Description (ss req - Copy), Type (Engineered equipment), Discipline, Currency (US Dollar), Package scope, Risk (High), and Account code.
- Budget:** A table showing the breakdown of costs:

Original base value	(\$ 100.00)
Contingency in estimate	(\$ 400.00)
Escalation in estimate	(\$ 30.00)
Un-awarded adjustment	(\$ 100.00)
Owner change amount	(\$ 90.00)
Total estimate	(\$ 720.00)
- Additional details:** Includes dropdown menus for Division of responsibilities (DOR), Specifications, Reporting, and Custom fields.