



Explore API Documentation

SelfService_Estimate_CostItem

PlugReferencedData

Version 1.0

Last Modified: 11/14/2023

Last Modified By: Aaron Cohen

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
1.0	6/6/2022	Initial draft	Aaron Cohen

Contents

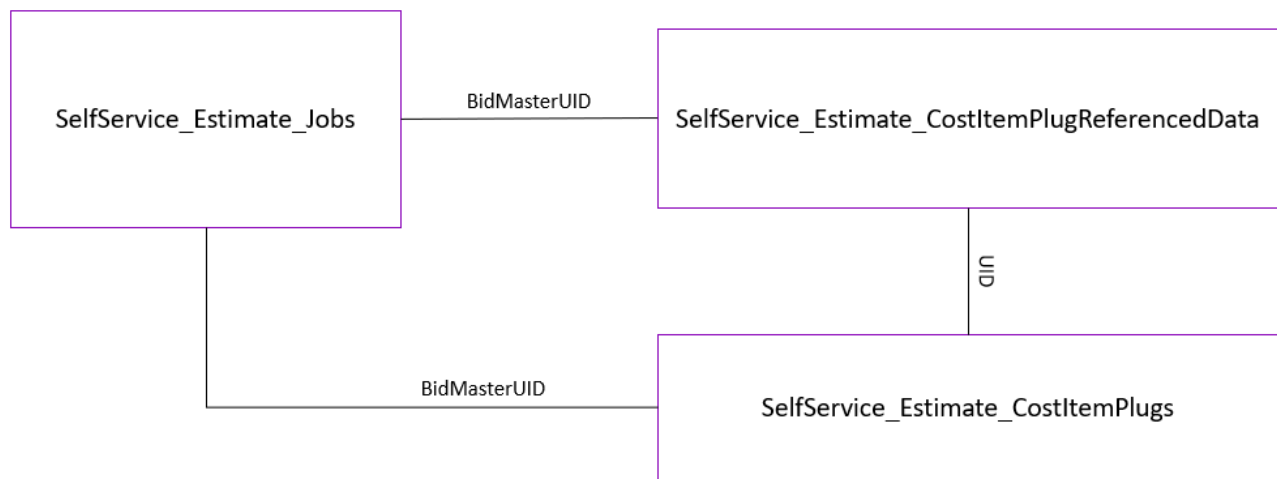
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Overview

The **SelfService_Estimate_CostItemPlugReferencedData** API provides the referenced data for Plug Cost on Cost Items where plug costs have been defined.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality ¹	Comment
CostItemPlugReferencedData (CIPRD)	Jobs (J)	CIPRD.BidMasterJobUID = J.BidMasterJobUID	M:1	
CostItemPlugReferencedData (CIPRD)	CostItemPlugs (CIP)	CIPRD.UID = CIP.UID	1:1	



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_Estimate_CostItemPlugReferencedData
Data Refresh/Delta/Incremental	

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

Loads		
Project Suite	Starting Version	23.6
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Numeric Precision	Date Precision	Product	PK
CostItemPlugReferencedDataId	bigint	8	19	0	Estimate	X
CostItemPlugReferencedDataUF	uniqueidentifier	16	0	0	Estimate	
CostItemPlugReferencedDataUID	uniqueidentifier	16	0	0	Estimate	
CostItemWbsCode	nvarchar	100	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
BidMasterJobCode	nvarchar	200	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Estimate	
CreatedById	bigint	8	19	0	Estimate	
CreatedDate	datetimeoffset	10	34	7	Estimate	
ModifiedById	bigint	8	19	0	Estimate	
ModifiedDate	datetimeoffset	10	34	7	Estimate	

Field Descriptions

Name	Description	Example
CostItemPlugReferencedDataId	Unique identifier assigned to each record in the table	146680
CostItemPlugReferencedDataUF	System generated field, for internal use only	fc449f9e-0c9c-0bdd-135b-5755a82205ab
CostItemPlugReferencedDataUID	"Unique identifier for the Cost Items Plug Cost.	
CostItemWbsCode	Not visible in the Interface"	bfb4fd1a-f1bb-4c6b-93a3-b9bfebfee05c
BidMasterJobUID	CBS Position Code field value of the Cost Item the Plug Costs belongs to	17.9
BidMasterJobCode	Identifier of the Job record from the Jobs table in the BidMaster database. This field is not unique in this table but is unique to an instance of a Job. Not visible in the application	43f06284-fd27-47b6-80f8-eeee43dce5f7
LastUpdateID	Value of the Job Code field	Training Job - Reporting

IsActive	Field for internal use only	37
CreatedById	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	true
CreatedDate	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
ModifiedById	Date/timestamp record is entered	2023-06-15T22:47:58.0357867Z
ModifiedDate	System generated Id, will always represent the system, not actual users. This field is for internal use only	1

Sample

```
{
  "CostItemPlugReferencedDataId": 146680,
  "CostItemPlugReferencedDataUF": "fc449f9e-0c9c-0bdd-135b-5755a82205ab",
  "CostItemPlugReferencedDataUID": "bfb4fd1a-f1bb-4c6b-93a3-b9bfebfefee05c",
  "CostItemWbsCode": "17.9",
  "BidMasterJobUID": "43f06284-fd27-47b6-80f8-eeeea43dce5f7",
  "BidMasterJobCode": "Training Job - Reporting",
  "LastUpdateID": 37,
  "IsActive": true,
  "CreatedById": 1,
  "CreatedDate": "2023-06-15T22:47:58.0357867Z",
  "ModifiedById": 1,
  "ModifiedDate": "2023-06-15T22:47:58.0357867Z"
}
```

Data Validation

This data can be validated by navigating to the Plug tab of a Cost Item record and expanding the values in the Cost Category tree.

Figure 1: Plug tab of the Cost Item Record

Cost Breakdown Structure (CBS) Register
Cost Item Record

CBS Code:	Optional Code:	Description:	Forecast (T/O) Qty:	Unit of Measure:	Unit Cost:	Total Cost:	Currency:
17	1200 0100	Toll Booth	1.00	Each	\$25,264.55	\$25,264.55	U.S. Dollar
17.9	15300	Fire Protection Piping	1.00	Lump Sum	\$3,300.00	\$3,300.00	U.S. Dollar

PI Assignment:	PI Line Number:	PI Description:
1200 0100	170	Toll Booth

Cost Segment:	Pay Quantity:	Cost Source:	Alternate:
Direct Cost	1.00	Plug	BASE

Cost Category	Unit Cost	Total Cost
Total	\$3,300.00	\$3,300.00
> Labor	\$0.00	\$0.00
> Owned Equipment	\$0.00	\$0.00
> Rented Equipment Title For T...	\$0.00	\$0.00
> Supplies	\$0.00	\$0.00
> Materials	\$0.00	\$0.00
> Subcontract	\$3,300.00	\$3,300.00
Subcontract Price	\$0.00	\$0.00
Subcontract Conditions	\$0.00	\$0.00
Subcontract Taxes	\$0.00	\$0.00
Subcontract Bond	\$0.00	\$0.00
Undefined Subcontract	\$3,300.00	\$3,300.00
> Fees	\$0.00	\$0.00
> Allowance	\$0.00	\$0.00
Custom Category1	\$0.00	\$0.00
Undefined	\$0.00	\$0.00
Billing Rate	\$0.00	\$0.00
Billing Rate Markup	\$0.00	\$0.00
Billing Rate Markup %	0.00	0.00

Cost Item Setup

Default Pay Rules

Composite Wage Scale: Scale 1: 100.00 Scale 2: 0.00 Scale 3: 0.00

For every 8.00 hours worked, pay 8.00 hours

Use Period Quantities

Default Shift Arrangements

Work Hours per Shift: 8.00 Shifts per Day: 1.00 Days per Week: 5.00

Execution: Allow As-Built:

Default Properties

Account Code: 8000 Tag 1: Estima

Cost Curve: Linear Tag 2: Comm

Worker's Comp Override: Tag 3:

Quantity Driver: Fixed Tag 4:

Quantity Roll-Up: Tag 5:

Quote Group Tag: Tag 6:

Minority Goal Allowance: 100.00 Tag 7:

Phase Code: 1090 Tag 8:

Tag 9:

When man-count changes: Change UM / Man-Hour Change Days

Tag 10:

Tag 11:

Tag 12:

Tag 13:

Suspend:

< Prev
Next >
OK
Cancel

