



# Explore API Documentation

## SelfService\_Estimate\_CostDrivers

Version 1.0

Last Modified: 4/18/2023

Last Modified By: Litzy Mora



## 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	3/3/2023	Initial draft	Aaron Cohen
2.0	4/18/2023	Formatting updates	Litzy Mora

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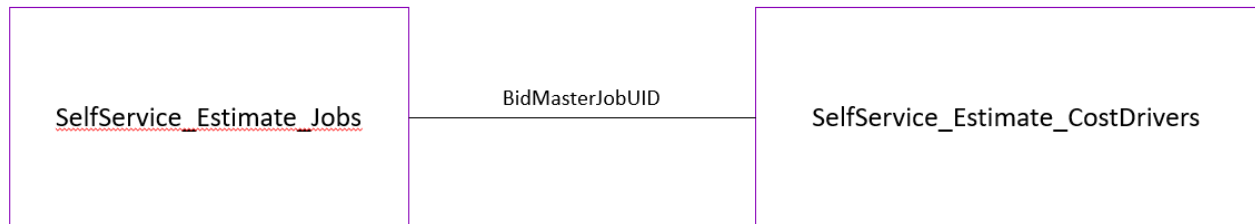
## Overview

The **SelfService\_Estimate\_CostDrivers** API provides the list of defined Cost Drivers for a Cost Item, either Fixed, CI Duration, CI Quantity or CI Scheduled Periods.

## Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality <sup>1</sup>	Comment
CostDrivers (CD)	Jobs (J)	CD.BidMasterJobUID = J.BidMasterJobUID	M:1	

SelfService\_Estimate\_CostDrivers



## 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_CostDrivers	
Data Refresh/Delta/Incremental Loads		
Project Suite	Starting Version	23.2
	Ending Version	NA

<sup>1</sup> 1:M = One to Many, 1:1 = One to One, M:1 = Many to one



## Supported Filters

All default OData filters are supported by this API.

## Fields

Name	Type	Char Max Length	Numeric Precision	Date Precision	Product	PK
CostDriversId	bigint		19		Estimate	
CostDriversUF	uniqueidentifier				Estimate	
UID	uniqueidentifier				Estimate	
CostDriversDescription	nvarchar	50			Estimate	
SaveID	int		10		Estimate	
BidMasterJobUID	uniqueidentifier				Estimate	
LastUpdateID	int		10		Estimate	
IsActive	bit				Estimate	
CreatedById	bigint		19		Estimate	
CreatedDate	datetimeoffset			7	Estimate	
ModifiedById	bigint		19		Estimate	
ModifiedDate	datetimeoffset			7	Estimate	

## Field Descriptions

Name	Description	Example
CostDriversId	Unique identifier assigned to each record in the table	1
CostDriversUF	System generated field, for internal use only	090F6F51-166C-08AD-2DB2-B39B089B438B
UID	Unique identifier for the Cost Driver. Not visible in the Interface	2FB8795D-12B7-428F-BC84-FDE202E77D47
CostDriversDescription	Cost Driver Description field value. Found as an attribute on the Cost Item record and Register. There are 4 Pre-defined Cost Drivers	Fixed CI Duration CI Quantity CI Scheduled Periods
SaveID	Field for internal use only	0
BidMasterJobUID	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 interface.	5376AA5E-8C85-43E8-9ACB-D7422000E832
LastUpdateID	Field for internal use only	1

IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	1
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
CreatedDate	Date/timestamp record is entered	2022-02-21 17:47:05.4923658 +00:00
ModifiedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
ModifiedDate	Date/timestamp record is modified	2022-02-21 17:47:05.4923658 +00:00

## Sample

```
{
  "CostDriversId": 1813520,
  "CostDriversUF": "090f6f51-166c-08ad-2db2-b39b089b438b",
  "UID": "054b3b4f-df96-47f5-aa71-feb1329f7f11",
  "CostDriversDescription": "Fixed",
  "SaveID": 0,
  "BidMasterJobUID": "0c44541e-c9fa-4f58-87c3-4d2a3a043c9a",
  "LastUpdateID": 69,
  "IsActive": false,
  "CreatedById": 1,
  "CreatedDate": "2023-01-25T16:09:07.762219Z",
  "ModifiedById": 1,
  "ModifiedDate": "2023-01-26T02:49:36.4552056Z"
}
```

## Data Validation

This data can be validated by navigating to a Cost Item record, navigating to the Employment Setup data block and the Cost Driver dropdown field is found in the Identification group

Figure 1: Cost Driver Field on Cost Item Record



Training Job - Reporting - Estimate

File Setup Estimate Quote Price Execution System Actions

Split Default Data Blocks Display Parent Information Highlight Unique (Delta) Resource Fields Insert Subordinate Trench Calculator Display Billing Rate Highlight Unique (Delta) Cost Item Fields Edit Resource Periods Shift / Rate Calculator Break Cost Allocation Link

Cost Breakdown Structure (CBS) Register Cost Item Record

CBS Code: 641 0100 Optional Code: 641 0100 Description: Mobilization Forecast (T/O) Qty: 1.00 Unit of Measure: Lump Sum Unit Cost: \$11,909.51 Total Cost: \$11,909.51 Currency: U.S. Dollar

PI Assignment: 641 0100 PI Line Number: 10 PI Description: Mobilization Cost Segment: Direct Cost Pay Quantity: 1.00 Cost Source: Detail Alternate: BASE

Cgst Item Summary Detail: \$11,909.51 Plug: \$500.00 Quote: \$500.00 Allocation

Row Number	Code	Resource Assembly	Description	Quantity	Unit of Measure	Productivity Factor	Work Hours
1	LT1		Teamster	1.00	Each	1.00	80.00
2	ETLT		Lowboy Trailer	1.00	Each	1.00	80.00
3	ETTT		Tractor Truck	1.00	Each	1.00	80.00

Employment Setup

Identification

Code: LT1 Type: Labor Rate

Description: Teamster

Quantity (Less Waste): 1.00 Waste %: Add-on: Productivity Factor: 1.00

Cost Driver: CI Duration

Employment Cost: CI Duration

Unit Cost: CI Quantity

Maintenance Labor: Fixed

Unit Cost: Scheduled Periods

Pay Rules

Composite Wage S

For every 8.00 hours worked, pay 8.00 hours

Properties

Currency: U.S. Dollar Tag 1: Non Ur

Account Code: 1020 Tag 2: Hourly

Cost Curve: Employed Cost Item Tag 3:

Worker's Comp Override: Consumption (UM/Hour):

Geographic Area: Southwest Custom 2:

Worker's Comp Override %: Custom 3:

OK Cancel < Prev Next >

As-Entered Currency As-Entered Units Training Job - Reporting Accrued Costs OFF