



## Explore API Documentation

# SelfService\_Control\_CostItem

Version 1.4

Last Modified: 10/31/2023

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	6/19/2019	Initial draft	Chase Denton
1.1	5/6/2020	Added Cost Segment Name and Cost Segment Id, this will apply to release levels 20.2 and above	Natalie Takacs
1.2	3/4/2021	16 new fields (including 4 segments), available in 21.1.1 and up	Natalie Takacs
1.3	8/16/2021	Changed SAPStatusControl to AsBuiltLock	Chase Denton
1.4	8/9/2022	Updated data refresh time	Estefany Puc Nieto
1.5	12/22/2022	Updated pagination	Litzy Mora

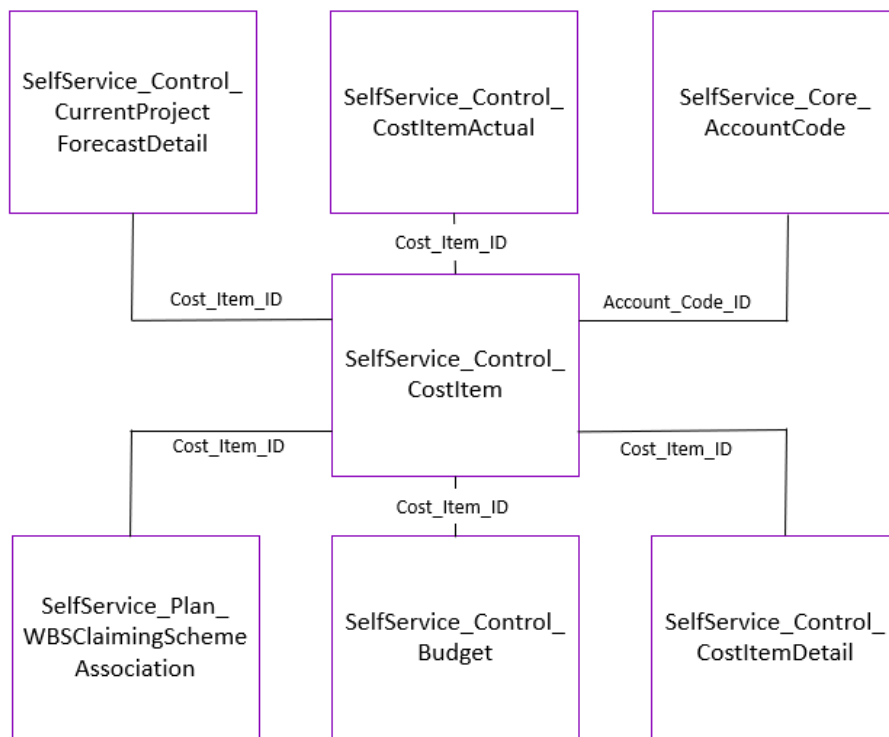
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## Overview

This API contains information related to the work breakdown structure elements including account codes.

From: Table	To: Table	Relationship	Cardinality <sup>1</sup>	Comment
Control_CostItem (CI)	Control_CostItem (pci)	ci.ProjectId = pci.ProjectId AND ci.ParentId = pci.CostItemId	M:1	WBSPhaseCode, Description
Control_CostItem (CI)	Control_CostItem (ac)	ci.AccountCodeId = ac.AccountCodeId	M:1	AccountCode Display & Description



## API Detail

Direction	From Project Suite
Pagination	5,000 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

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

<b>APIM Name</b>		SelfService_Control_CostItem
<b>Data Refresh/Delta/Incremental Loads</b>		The data in this API will refresh every 20 minutes.
<b>Project Suite</b>	<b>Starting Version</b>	V1.0
	<b>Ending Version</b>	V1.2

## Supported Filters

All default OData filters are supported by this API.

## Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
<b>CostItemId</b>	bigint	NULL	19	NULL	Control	X
<b>ProjectId</b>	bigint	NULL	19	NULL	Control	
<b>CostItemParentId</b>	bigint	NULL	19	NULL	Control	
<b>IsTerminal</b>	bit	NULL	NULL	NULL	Control	
<b>AccountCodeId</b>	bigint	NULL	19	NULL	Control	
<b>Account_Code</b>	nvarchar	250	NULL	NULL	Control	
<b>Account_Code_Description</b>	nvarchar	255	NULL	NULL	Control	
<b>WBS_Phase_Code</b>	nvarchar	50	NULL	NULL	Control	
<b>WBS_Description</b>	nvarchar	250	NULL	NULL	Control	
<b>Parent_WBS_Phase_Code</b>	nvarchar	50	NULL	NULL	Control	
<b>Parent_WBS_Description</b>	nvarchar	250	NULL	NULL	Control	
<b>CostItemModifiedDate</b>	datetime	NULL	NULL	3	Control	
<b>IsActive</b>	bit	NULL	NULL	NULL	Control	
<b>CostSegmentId</b>	int	NULL	5	NULL	Control	
<b>CostSegmentName</b>	nvarchar	50	NULL	NULL	Control	
<b>AllowAsBuiltId</b>	Int	NULL	10	NULL	Control	
<b>AllowAsBuiltName</b>	nvarchar	50	NULL	NULL	Control	
<b>CBSPosition</b>	nvarchar	100	NULL	NULL	Control	
<b>CurrencyCode</b>	varchar	3	NULL	NULL	Control	
<b>CostSourceId</b>	int	NULL	5	NULL	Control	
<b>CostSourceName</b>	nvarchar	100	NULL	NULL	Control	
<b>PayItemId</b>	bigint	NULL	19	NULL	Control	
<b>AsBuiltLock</b>	bigint	NULL	NULL	NULL	Control	
<b>CBSContributeQuantity</b>	bit	NULL	NULL	NULL	Control	
<b>CostCurveId</b>	bigint	NULL	19	NULL	Control	
<b>IsBudgetLocked</b>	bit	NULL	NULL	NULL	Control	
<b>Segment1</b>	varchar	250	NULL	NULL	Control	
<b>Segment2</b>	varchar	250	NULL	NULL	Control	
<b>Segment3</b>	varchar	250	NULL	NULL	Control	
<b>Segment4</b>	varchar	250	NULL	NULL	Control	
<b>ChangeStatusId</b>	int	NULL	5	NULL	Control	

<b>ChangeStatusName</b>	nvarchar	50	NULL	NULL	Control
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## Field Descriptions

Name	Description	Example
<b>CostItemId</b>	System generated id for Cost item	101599
<b>ProjectId</b>	System generated Project id	1,2,3
<b>CostItemParentId</b>	The parent Cost_item_id used for hierarchy logic	97982
<b>IsTerminal</b>	When this field equals 1, cost item is lowest level of Cost Breakdown Structure hierarchy, and has the capability to accept cost and quantity	1
<b>AccountCodeId</b>	System generated id for Account codes	4
<b>Account_Code</b>	Used for grouping historical like-data for use in future estimates	00.03.02.002
<b>Account_Code_Description</b>	Text description of an Account code	OH - Estimating - Engineering (Pre-Bid)
<b>WBS_Phase_Code</b>	The code used to hold cost, budget, forecast, etc. for a piece of work	1073
<b>WBS_Description</b>	Text description of the WBS phase Code	Joint Venture Work- Retainage Bond
<b>Parent_WBS_Phase_Code</b>	The parent WBS used for hierarchy logic	1149
<b>Parent_WBS_Description</b>	Text description of the WBS phase code	Insurance
<b>CostItemModifiedDate</b>	The date that the record was created or changed	2018-06-01 15:10:51.507
<b>IsActive</b>	When this field equals 0, then the cost item is no longer active and used in the project	1 = Active, 0 = Inactive
<b>CostSegmentId</b>	Numeric value associated to a cost segment	1,2,3,4
<b>CostSegmentName</b>	Indicates if the cost is associated to Direct Cost, Job Overhead, Business Overhead, or a Subcontract	Direct Cost, Job Overhead, Business Overhead, Subcontract
<b>AllowAsBuiltId</b>	Unique identifier associated to the selection of "Allow as-built" on a CBS item in the Details screen	1,2,3,4
<b>AllowAsBuiltName</b>	Text value associated to the selection of "Allow as-built" on a CBS item in the Details screen	None, All, Costs, Quantities
<b>CBSPosition</b>	Indicator of position in CBS hierarchy	1.1.1

<b>CurrencyCode</b>	Identifier for currency selected from list of currencies populated from configuration in Core	USD
<b>CostSourceId</b>	Identifier of Cost Source	2
<b>CostSourceName</b>	Displays selection on cost item from CBS Details	Detail, Plug
<b>PayItemId</b>	Unique identifier associated to Cost Item in CBS Details or Pay Items tab in Control	1
<b>AsBuiltLock</b>	Indicates the lock status of the cost item	3377
<b>CBSContributeQuantity</b>	Selection in CBS Details	0 = False, 1 = True
<b>CostCurveId</b>	Code associated to the cost curve column from schedule data block, configured in settings, this can join to the cost curve reporting API for most cost curve information	210696
<b>IsBudgetLocked</b>	Indicates if budget has been locked	1
<b>Segment1</b>	Budget segment as configured in Core, sent to Control, then to Plan	105000
<b>Segment2</b>	Budget segment as configured in Core, sent to Control, then to Plan	2160
<b>Segment3</b>	Budget segment as configured in Core, sent to Control, then to Plan	03
<b>Segment4</b>	Budget segment as configured in Core, sent to Control, then to Plan	Design
<b>ChangeStatusId</b>	Code assigned for status of changes made to cost item	4
<b>ChangeStatusName</b>	Text description for status of changes made to cost item	Draft

## Sample

```
{
"Cost_item_id":1,"Project_id":1,"Cost_item_parent_id":null,"Is_terminal":false,"Account_code_id":null,"Account_code":null,"Account_code_description":null,"WBS_phase_code":"1000","WBS_description":"Financial Results Analysis","Parent_WBS_phase_code":null,"Parent_WBS_description":null,"Cost_item_modified_date":"2022-12-16T12:25:15Z","Is_active":true,"Cost_Segment_Id":2,"Cost_Segment_Name":"Job Overhead","Allow_as_built_id":1,"Allow_as_built_name":"None","CBS_position":"1","Currency_code":"","Cost_source_id":2,"Cost_source_name":"Detail","Pay_item_id":null,"As_built_lock":0,"CBS_contribute_quantity":false,"Cost_curve_id":4,"Is_budget_locked":null,"Segment1":"","Segment2":"","Segment3":"","Segment4":"","Change_status_id":null,"Change_status_name":null
}
```

## Data Validation

