Explore API Documentation

SelfService_Estimate_AccountCostItemUtilizations

Version 1.0

Last Modified: 20-Nov-2024

Last Modified By: Aaron Cohen

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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	2-Nov-2024	Initial release	Aaron Cohen

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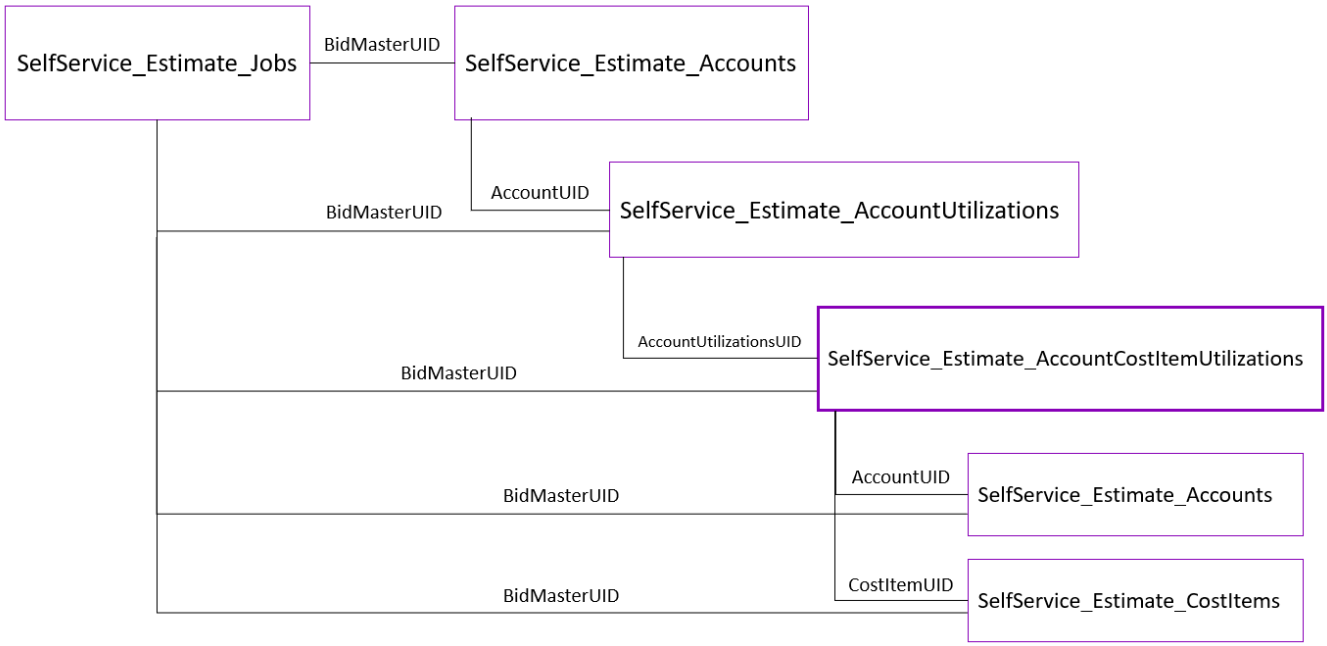
Overview

Account Codes become Utilized when they are assigned to a Cost Item or Resource that is employed in the estimate. Account Utilization records are automatically created for each utilized account and are used as a means of rolling up and summarizing the costs, hours and quantities of all contributing cost items and resources. The ***SelfService_Estimate_AccountCostItemUtilizations*** API provides the utilizing items records for each Cost Item contributing to an Account Code as indicated in the Utilizing Items pane of the Account Code Utilization Register (ACUR).

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
AccountCostItemUtilizations (ACIU)	Jobs (J)	ACIU.BidMasterJobUID = J.BidMasterJobUID	M:1	
AccountCostItemUtilizations (ACIU)	AccountUtilizations (AU)	ACIU.AccountUtilizationUID = AU.UID	M:1	
AccountCostItemUtilizations (ACIU)	Accounts (A)	ACIU.AccountUID = A.UID	M:1	
AccountCostItemUtilizations (ACIU)	CostItems (CI)	ACIU.CostItemUID = CI.UID	M:1	



[1] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*

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_AccountCostItemUtilizations
Replicate View		[SelfService].[vwEstimateAccountCostItemUtilizations]
Data Refresh/Delta/Incremental Loads		This API must be run as a full refresh each time. Reporting ODS refresh is every 15 minutes.
Project Suite	**Starting Version**	24.3
	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
AccountCostItemUtilizationsId	*bigint*	*8*	*19*	*0*	Estimate	X
AccountCostItemUtilizationsUF	*uniqueidentifier*	*16*	*0*	*0*	Estimate	
AccountCostItemUtilizationsUID	*uniqueidentifier*	*16*	*0*	*0*	Estimate	
AccountUID	*uniqueidentifier*	*16*	*0*	*0*	Estimate	
AccountUtilizationUID	*uniqueidentifier*	*16*	*0*	*0*	Estimate	
CostItemUID	*uniqueidentifier*	*16*	*0*	*0*	Estimate	
IsQuantityContributorPrimary	*bit*	*1*	*1*	*0*	Estimate	
IsQuantityContributorPrimaryToSecondary	*bit*	*1*	*1*	*0*	Estimate	
IsQuantityContributorSecondary	*bit*	*1*	*1*	*0*	Estimate	
SaveID	*int*	*4*	*10*	*0*	Estimate	
BidMasterJobUID	*uniqueidentifier*	*16*	*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
AccountCostItemUtilizationsId	Unique identifier assigned to each record in the table	606661
AccountCostItemUtilizationsUF	System generated field, for internal use only	43072d23-9346-0639-2b98-1345bbd62cbe
AccountCostItemUtilizationsUID	Identifier of the utilization record for Cost Items utilizied by an Account Code	d551675e-f16d-4722-8333-1ef6a2b987ba
AccountUID	Identifier of the Utilizing Account Code	e41af598-8584-4002-937a-337bc0859c04
AccountUtilizationUID	Identifier of the utilization record for the utilizing Account	c76dc462-0726-4476-8d96-4c418e6c513c
CostItemUID	Identifier of the Utilizing Cost Item	ec614499-750f-4592-b75d-dac50f4e3e66
IsQuantityContributorPrimary	Value of the Contribute Primary to Primary Quantity checkbox of the Utilizing Cost Item	true
IsQuantityContributorPrimaryToSecondary	Value of the Contribute Primary to Secondary Quantity checkbox of the Utilizing Cost Item	false
IsQuantityContributorSecondary	Value of the Contribute Secondary to Secondary Quantity checkbox of the Utilizing Cost Item	true
SaveID	Field for internal use only	223
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database	96564a7d-622b-411b-a8ab-0db3196fab04
LastUpdateID	Field for internal use only	3270
IsActive	Indicates if record is active.	true
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	2024-03-21T22:10:39.9852575Z
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	2024-03-21T22:10:39.9852575Z

Sample


```
{
        "AccountCostItemUtilizationsId": 606661,
        "AccountCostItemUtilizationsUF": "43072d23-9346-0639-2b98-1345bbd62cbe",
        "AccountCostItemUtilizationsUID": "d551675e-f16d-4722-8333-1ef6a2b987ba",
        "AccountUID": "e41af598-8584-4002-937a-337bc0859c04",
        "AccountUtilizationUID": "c76dc462-0726-4476-8d96-4c418e6c513c",
        "CostItemUID": "ec614499-750f-4592-b75d-dac50f4e3e66",
        "IsQuantityContributorPrimary": true,
        "IsQuantityContributorPrimaryToSecondary": false,
        "IsQuantityContributorSecondary": true,
        "SaveID": 223,
        "BidMasterJobUID": "96564a7d-622b-411b-a8ab-0db3196fab04",
        "LastUpdateID": 3270,
        "IsActive": true,
        "CreatedById": 1,
        "CreatedDate": "2024-03-21T22:10:39.9852575Z",
        "ModifiedById": 1,
        "ModifiedDate": "2024-03-21T22:10:39.9852575Z"
}
```


Data Validation

This data can be validated by navigating to the Account Code Utilization Register (ACUR). Utilized Cost Items appear in the Utilizing Items pane of the ACUR

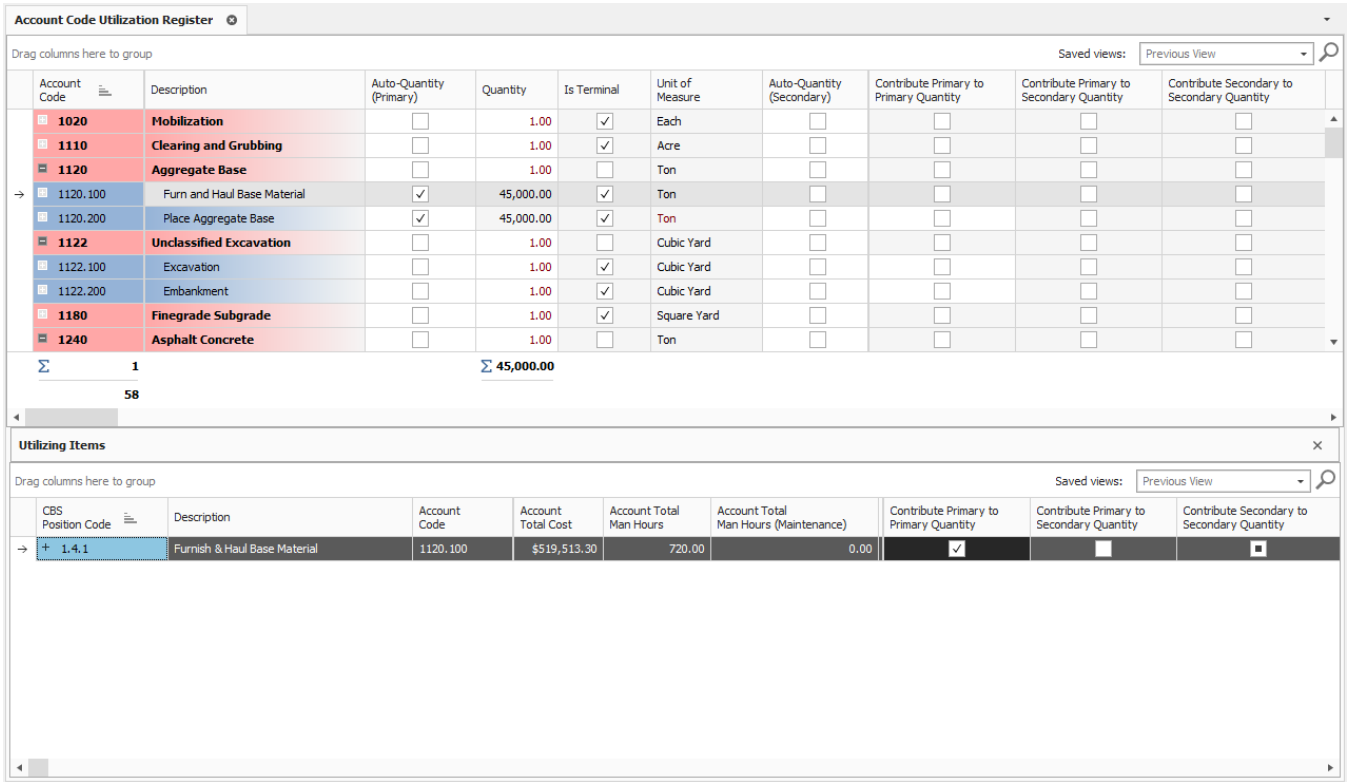



Figure 1: Account Code Utilization Register (ACUR), Utilizing Items pane