Explore API Documentation

SelfService_Estimate_Account

EmploymentUtilization

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-Apr-2024	Initial release	Aaron Cohen
1.2	20-Oct-2025	Updated data refresh	Litzy Mora

Contents

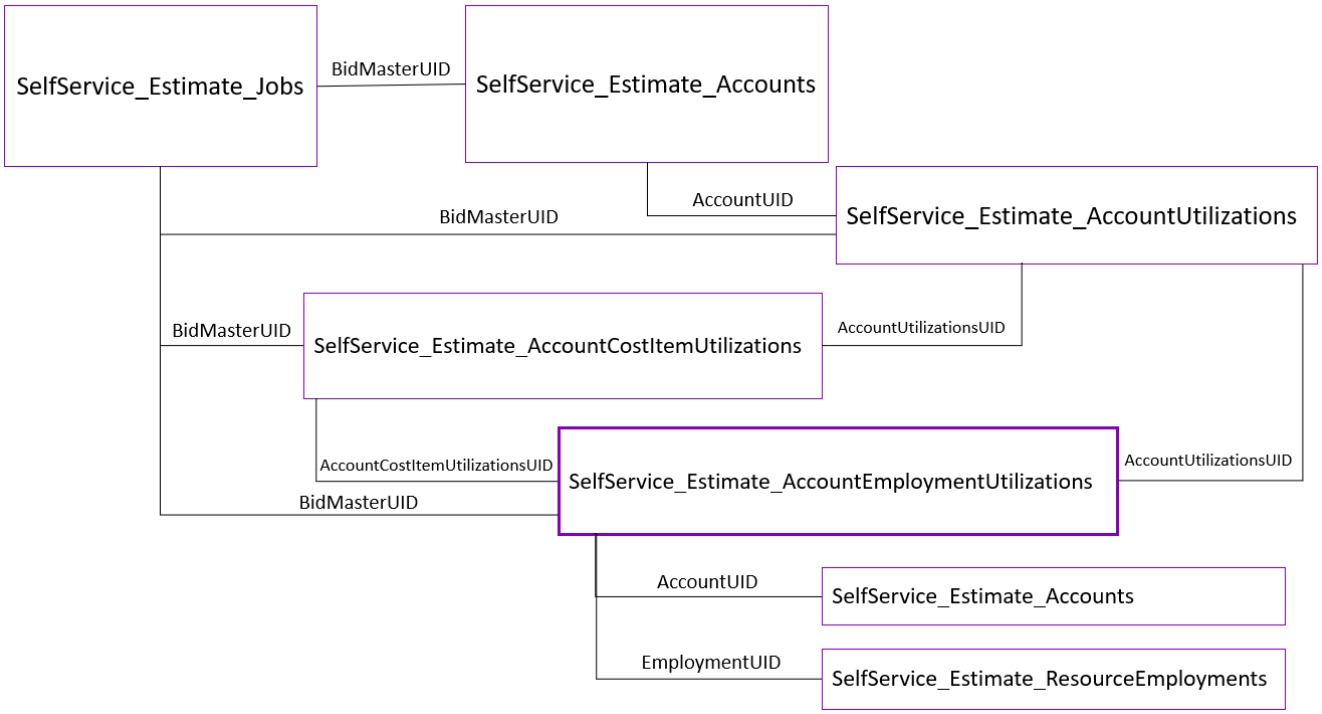
Change Log....2
Overview....3
Relationships and Dependencies....3
API Detail....4
Supported Filters....4
Fields....4
Field Descriptions....5
Sample....6

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_AccountEmploymentUtilization*** API provides the utilizing items records for each Resource Employment 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]	Comme
AccountEmploymentUtilization (AEU)	Job (J)	AEU.BidMasterJobUID = J.BidMasterJobUID	M:1	
AccountEmploymentUtilization (AEU)	AccountCostItemUtilization (ACIU)	AEU.AccountCostItemUtilizationUID = ACIU.UID	M:1	
AccountEmploymentUtilization (AEU)	AccountUtilization(AU)	AEU.AccountUtilizationUID = AU.UID	M:1	
AccountEmploymentUtilization (AEU)	Account (A)	AEU.AccountUID = A.UID	M:1	
AccountEmploymentUtilization (AEU)	ResourceEmployment (RE)	AEU.EmploymentUID = CI.UID	1:1	



[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_AccountEmploymentUtilizations
Replicate View		[SelfService].[vwEstimateAccountEmploymentUtilizations]
Data Refresh/Delta/Incremental Loads		The refresh of the data in this API is sync-based. The time it takes data to appear in this API is dependent on the load on the server at the time. If it takes more than 15 minutes, please submit a ticket with the Service Desk.
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
AccountEmploymentUtilizationsId	bigint	8	19	0	Estimate	X
AccountEmploymentUtilizationsUF	uniqueidentifier	16	0	0	Estimate	
AccountEmploymentUtilizationsUID	uniqueidentifier	16	0	0	Estimate	
AccountCostItemUtilizationUID	uniqueidentifier	16	0	0	Estimate	
AccountUID	uniqueidentifier	16	0	0	Estimate	
AccountUtilizationUID	uniqueidentifier	16	0	0	Estimate	
EmploymentUID	uniqueidentifier	16	0	0	Estimate	
IsQuantityContributorPrimary	bit	1	1	0	Estimate	
IsQuantityContributorPrimaryToSecondary	bit	1	1	0	Estimate	
IsQuantityContributorSecondary	bit	1	1	0	Estimate	
ParentEmploymentUtilizationUID	uniqueidentifier	16	0	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
AccountEmploymentUtilizationsId	Unique identifier assigned to each record in the table	606539
AccountEmploymentUtilizationsUF	System generated field, for internal use only	acf24562-2111-019d-19ef-89012f1d6691
AccountEmploymentUtilizationsUID	Identifier of the utilization record for Resource Employments utilizied by an Account Code	3aa40f1f-433a-4086-b144-84b23672cd95
AccountCostItemUtilizationUID	Identifier of the Cost Item employing the Utilzing Resource Employment	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
EmploymentUID	Identifier of the Utilizing Resource Employment	dc4c7d1e-ec5c-434b-86b5-f947cef53b82
IsQuantityContributorPrimary	Value of the Contribute Primary to Primary Quantity checkbox of the Utilizing Resource Employment	false
IsQuantityContributorPrimaryToSecondary	Value of the Contribute Primary to Secondary Quantity checkbox of the Utilizing Resource Employment	false
IsQuantityContributorSecondary	Value of the Contribute Secondary to Secondary Quantity checkbox of the Utilizing Resource Employment	false
ParentEmploymentUtilizationUID	Identifier of the Resource Assembly for Utilizing Resource Employments belonging to a Resource Assembly	null
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	2024-03-21T22:10:40.6727695Z
ModifiedById	System generated Id, will always represent the system, not actual	1

	users. This field is for internal use only.	
ModifiedDate	Date/timestamp record is modified	2024-03-21T22:10:40.6727695Z

Sample


```
{
        "AccountEmploymentUtilizationsId": 606539,
        "AccountEmploymentUtilizationsUF": "acf24562-2111-019d-19ef-89012f1d6691",
        "AccountEmploymentUtilizationsUID": "3aa40f1f-433a-4086-b144-84b23672cd95",
        "AccountCostItemUtilizationUID": "d551675e-f16d-4722-8333-1ef6a2b987ba",
        "AccountUID": "e41af598-8584-4002-937a-337bc0859c04",
        "AccountUtilizationUID": "c76dc462-0726-4476-8d96-4c418e6c513c",
        "EmploymentUID": "dc4c7d1e-ec5c-434b-86b5-f947cef53b82",
        "IsQuantityContributorPrimary": false,
        "IsQuantityContributorPrimaryToSecondary": false,
        "IsQuantityContributorSecondary": false,
        "ParentEmploymentUtilizationUID": null,
        "SaveID": 223,
        "BidMasterJobUID": "96564a7d-622b-411b-a8ab-0db3196fab04",
        "LastUpdateID": 3270,
        "IsActive": true,
        "CreatedById": 1,
        "CreatedDate": "2024-03-21T22:10:40.6727695Z",
        "ModifiedById": 1,
        "ModifiedDate": "2024-03-21T22:10:40.6727695Z"
}
```

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

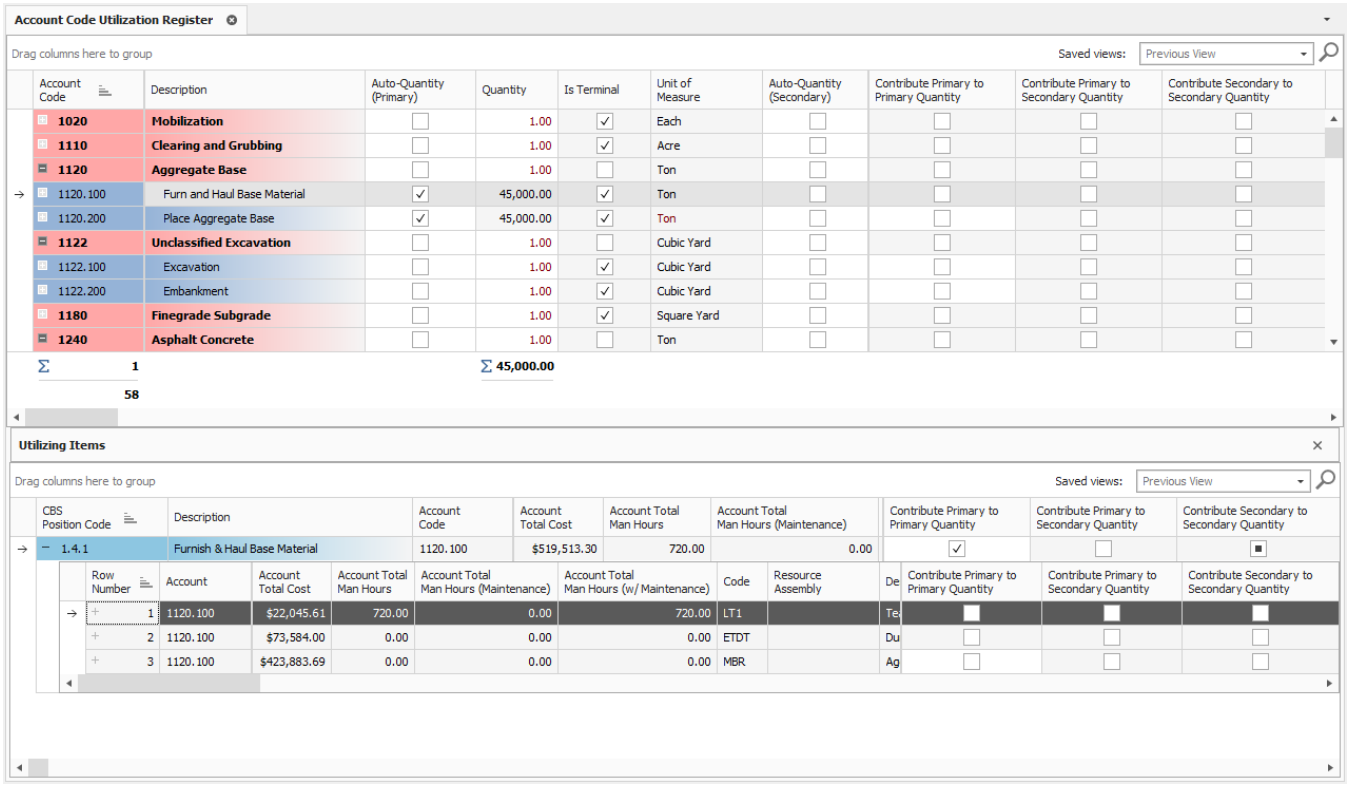



Figure 1: Account Code Utilization Register (ACUR), Utilizing Items pane