Explore API Documentation

SelfService_Estimate_AccountsReferencedData

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	26-Mar-2024	Initial release	Aaron Cohen

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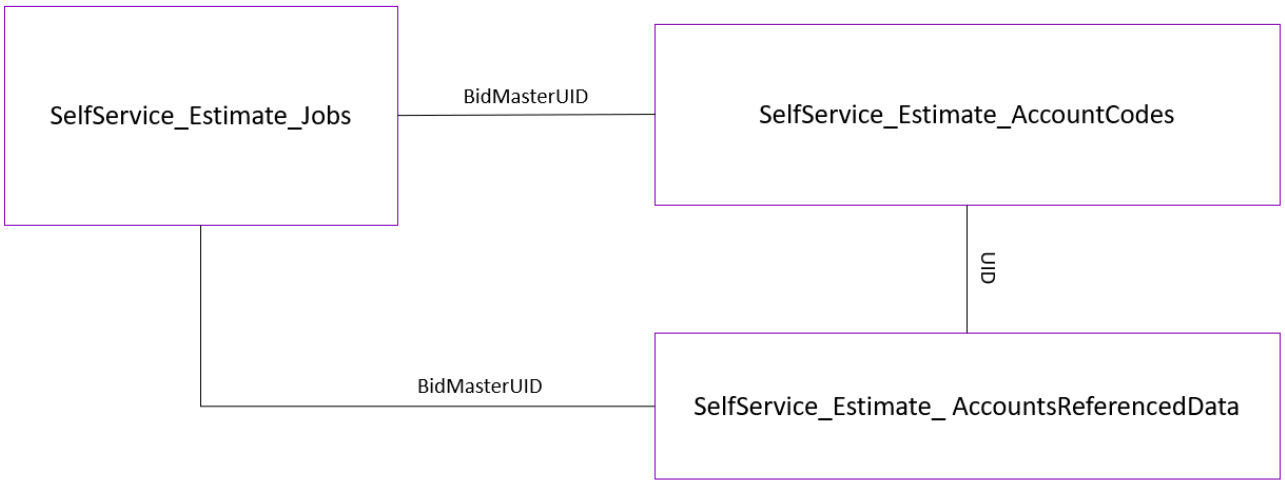
Overview

The ***SelfService_Estimate_AccountsCalculatedValues*** API provides the list of the calculated field values for the Account Codes entity as defined in an Estimate jobs Foundation Setup Data Register.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
AccountsReferencedData (ARD)	Jobs (J)	ARD.BidMasterJobUID = J.BidMasterJobUID	M:1	
AccountsReferencedData (ARD)	Accounts (A)	ARD.UID = A.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_AccountsReferencedData
Replicate View		[SelfService].[vwEstimateAccountsReferencedData]
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
AccountsReferencedDataId	bigint		19		Estimate	X
AccountsReferencedDataUF	uniqueidentifier				Estimate	
AccountsReferencedDataUID	uniqueidentifier				Estimate	
AlternateSecondaryUnitOfMeasureName	nvarchar	50			Estimate	
AlternateUnitOfMeasureName	nvarchar	50			Estimate	
CurrencyName	nvarchar	400			Estimate	
ParentCode	nvarchar	50			Estimate	
SecondaryUnitOfMeasureName	nvarchar	50			Estimate	
UnitOfMeasureName	nvarchar	50			Estimate	
UserTag1Code	nvarchar	260			Estimate	
UserTag2Code	nvarchar	260			Estimate	
UserTag3Code	nvarchar	260			Estimate	
UserTag4Code	nvarchar	260			Estimate	
UserTag5Code	nvarchar	260			Estimate	

UserTag6Code	nvarchar	260			Estimate	
UserTag7Code	nvarchar	260			Estimate	
UserTag8Code	nvarchar	260			Estimate	
UserTag9Code	nvarchar	260			Estimate	
UserTag10Code	nvarchar	260			Estimate	
UserTag11Code	nvarchar	260			Estimate	
UserTag12Code	nvarchar	260			Estimate	
UserTag13Code	nvarchar	260			Estimate	
UserTag14Code	nvarchar	260			Estimate	
UserTag15Code	nvarchar	260			Estimate	
UserTag16Code	nvarchar	260			Estimate	
UserTag17Code	nvarchar	260			Estimate	
UserTag18Code	nvarchar	260			Estimate	
UserTag19Code	nvarchar	260			Estimate	
UserTag20Code	nvarchar	260			Estimate	
BidMasterJobUID	uniqueidentifier				Estimate	
BidMasterJobCode	nvarchar	200			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
AccountsReferencedDataId	Unique identifier assigned to each record in the table	606709
AccountsReferencedDataUF	System generated field, for internal use only	724cbfe5-e7af-0119-3bd1-3ec8d9ea3700
AccountsReferencedDataUID	Unique identifier for Account Code entries	e41af598-8584-4002-937a-337bc0859c04
AlternateSecondaryUnitOfMeasureName	Name of the Base Unit of Measure for the Account Codes selected Secondary Unit of Measure	null

AlternateUnitOfMeasureName	Name of the Base Unit of Measure for the Account Codes selected Unit of Measure	Kilogram
CurrencyName	Name of the Account Codes assigned Currency	U.S. Dollar
ParentCode	For internal use only	1120
SecondaryUnitOfMeasureName	Name of the Account Codes selected Secondary Unit of Measure	null
UnitOfMeasureName	Name of the Account Codes selected Unit of Measure	Ton
UserTag1Code	Accounts Codes assigned Tag 1 field value	null
UserTag2Code	Accounts Codes assigned Tag 2 field value	null
UserTag3Code	Accounts Codes assigned Tag 3 field value	null
UserTag4Code	Accounts Codes assigned Tag 4 field value	null
UserTag5Code	Accounts Codes assigned Tag 5 field value	null
UserTag6Code	Accounts Codes assigned Tag 6 field value	null
UserTag7Code	Accounts Codes assigned Tag 7 field value	null
UserTag8Code	Accounts Codes assigned Tag 8 field value	null
UserTag9Code	Accounts Codes assigned Tag 9 field value	null
UserTag10Code	Accounts Codes assigned Tag 10 field value	null
UserTag11Code	Accounts Codes assigned Tag 11 field value	null
UserTag12Code	Accounts Codes assigned Tag 12 field value	null
UserTag13Code	Accounts Codes assigned Tag 13 field value	null
UserTag14Code	Accounts Codes assigned Tag 14 field value	null
UserTag15Code	Accounts Codes assigned Tag 15 field value	null
UserTag16Code	Accounts Codes assigned Tag 16 field value	null
UserTag17Code	Accounts Codes assigned Tag 17 field value	null
UserTag18Code	Accounts Codes assigned Tag 18 field value	null
UserTag19Code	Accounts Codes assigned Tag 19 field value	null
UserTag20Code	Accounts Codes assigned Tag 20 field value	null

BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database	96564a7d-622b-411b-a8ab-0db3196fab04
BidMasterJobCode	Value of the Code field on the Overview tab of Job Properties in the Estimate Application	Training Job
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	2024-03-21T22:10:41.6415346Z
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	2024-03-21T22:10:41.6415346Z

Sample

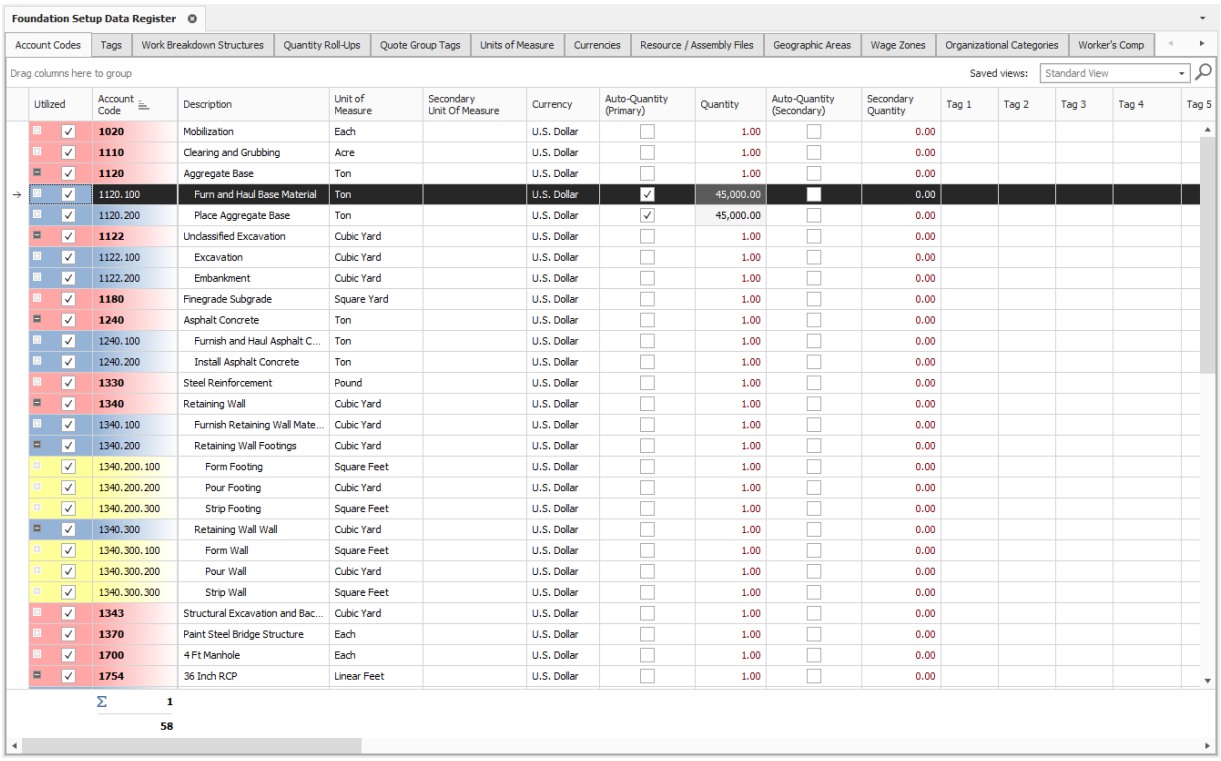

```
{
        "AccountsReferencedDataId": 606709,
        "AccountsReferencedDataUF": "724cbfe5-e7af-0119-3bd1-3ec8d9ea3700",
        "AccountsReferencedDataUID": "e41af598-8584-4002-937a-337bc0859c04",
        "AlternateSecondaryUnitOfMeasureName": null,
        "AlternateUnitOfMeasureName": "Kilogram",
        "CurrencyName": "U.S. Dollar",
        "ParentCode": "1120",
        "SecondaryUnitOfMeasureName": null,
        "UnitOfMeasureName": "Ton",
        "UserTag10Code": null,
        "UserTag11Code": null,
        "UserTag12Code": null,
        "UserTag13Code": null,
        "UserTag14Code": null,
        "UserTag15Code": null,
        "UserTag16Code": null,
        "UserTag17Code": null,
        "UserTag18Code": null,
        "UserTag19Code": null,
        "UserTag1Code": null,
        "UserTag20Code": null,
        "UserTag2Code": null,
        "UserTag3Code": null,
```

```
        "UserTag4Code": null,
        "UserTag5Code": null,
        "UserTag6Code": null,
        "UserTag7Code": null,
        "UserTag8Code": null,
        "UserTag9Code": null,
        "BidMasterJobUID": "96564a7d-622b-411b-a8ab-0db3196fab04",
        "BidMasterJobCode": "Training Job",
        "LastUpdateID": 3270,
        "IsActive": true,
        "CreatedById": 1,
        "CreatedDate": "2024-03-21T22:10:41.6415346Z",
        "ModifiedById": 1,
        "ModifiedDate": "2024-03-21T22:10:41.6415346Z"
}
```

Data Validation

This data can be validated by viewing Account Codes in the Account Code register or opening an Account Code Record directly from the register.

Figure 1: Setup-> Foundation Setup Data> Account Codes



Utilized	Account Code	Description	Unit of Measure	Secondary Unit Of Measure	Currency	Auto-Quantity (Primary)	Quantity	Auto-Quantity (Secondary)	Secondary Quantity	Tag 1	Tag 2	Tag 3	Tag 4	Tag 5
☑	**1020**	Mobilization	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1110**	Clearing and Grubbing	Acre		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1120**	Aggregate Base	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1120.100	Furn and Haul Base Material	Ton		U.S. Dollar	☑	45,000.00	☐	0.00					
☑	1120.200	Place Aggregate Base	Ton		U.S. Dollar	☑	45,000.00	☐	0.00					
☑	**1122**	Unclassified Excavation	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1122.100	Excavation	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1122.200	Embankment	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1180**	Finegrade Subgrade	Square Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1240**	Asphalt Concrete	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1240.100	Furnish and Haul Asphalt C...	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1240.200	Install Asphalt Concrete	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1330**	Steel Reinforcement	Pound		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1340**	Retaining Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.100	Furnish Retaining Wall Mate...	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200	Retaining Wall Footings	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.100	Form Footing	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.200	Pour Footing	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.300	Strip Footing	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300	Retaining Wall Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.100	Form Wall	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.200	Pour Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.300	Strip Wall	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1343**	Structural Excavation and Bac...	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1370**	Paint Steel Bridge Structure	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1700**	4 Ft Manhole	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1754**	36 Inch RCP	Linear Feet		U.S. Dollar	☐	1.00	☐	0.00					
	Σ	**1**												
		58												

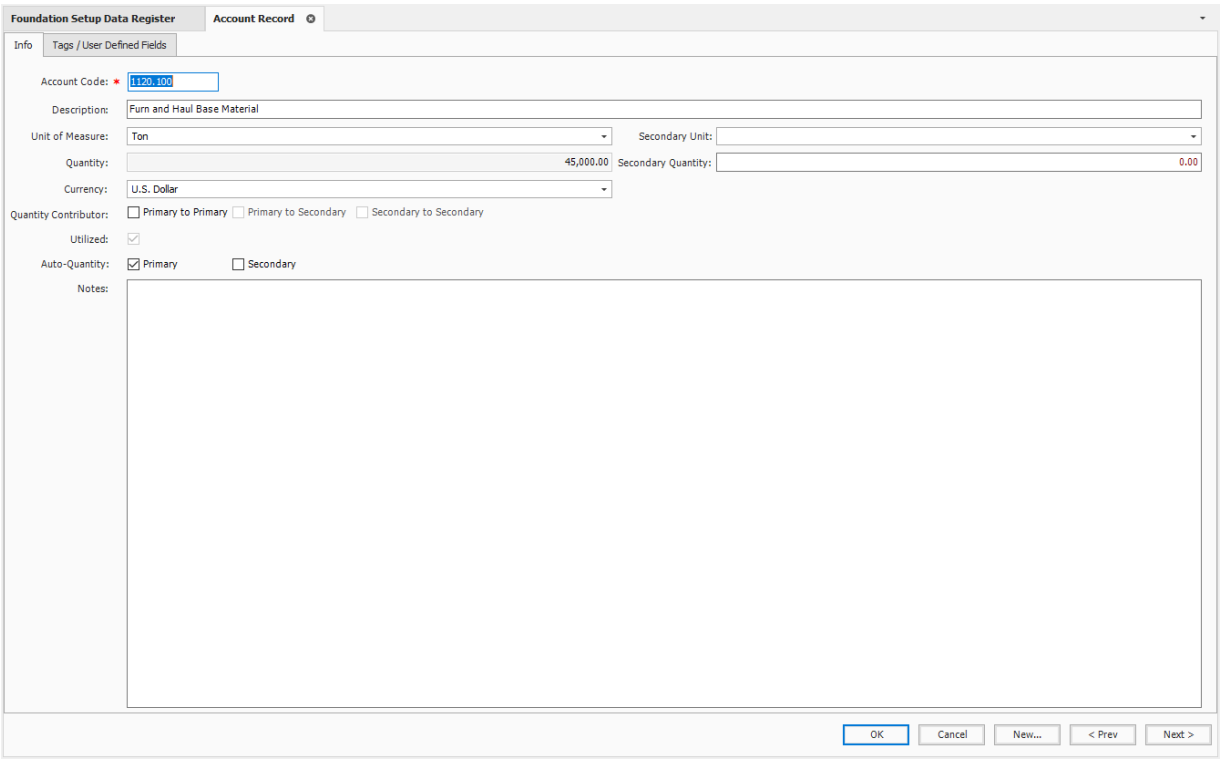



Figure 2: Account Code record