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Explore API Documentation

SelfService_Estimate_JobReferencedData

Version 1.0

Last Modified: 11/14/2023
Last Modified By: Natalie Takacs

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	3/30/2022	Initial draft	Natalie Takacs

Contents

Commented [NT1]: Don't forget to "Update Table" here

Overview

The **SelfService_Estimate_JobsReferencedData** API is one of multiple APIs comprising the data contained in the Estimate Job entity.

The Estimate Job entity includes three tables, *SelfService_Estimate_Jobs*, *SelfService_Estimate_JobsCalculatedValues* and *SelfService_Estimate_JobsReferencedData*.

The *SelfService_Estimate_Jobs* table contains Job records as created and managed by the Estimate application.

The *SelfService_Estimate_JobsCalculatedValues* table contains data commonly calculated in some way for display in the application and can provide a convenient way to reference data as it appears in the application without needing to transform it for display purposes.

The *SelfService_Estimate_JobsReferencedData* contains the values of the many foreign key lookup values stored in the jobs table and can provide a convenient way to reference data as it appears in the application without needing to lookup the foreign key values from a lookup table.

Monetary values stored in the database are stored in their base currency and corresponding values displayed in the application have been modified based on the conversion factor of the items assigned currency.

Quantity values stored in the database are stored in their base measurement units and corresponding values displayed in the application are potentially modified based on the conversation factor of the items unit of measure

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
JobsReferencedData (JRD)	Jobs (J)	JRD.UID = J.UID	1:1	

SelfService_Estimate_Jobs —— UID —— SelfService_Estimate_JobsReferencedData

API Detail

Direction	From Project Suite
Pagination	50,000 Rows

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

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_JobReferencedData
Data Refresh/Delta/Incremental Loads	

Project Suite	Starting Version	21.5
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateJobReferencedDataId	bigint	8	19	0	Estimate	X
EstimateJobReferencedDataUF	uniqueidentifier	16	0	0	Estimate	
EstimateJobReferencedDataUID	uniqueidentifier	16	0	0	Estimate	
ArchitectContactDescriptor	nvarchar	500	0	0	Estimate	
CertificationAuthorityContactDescriptor	nvarchar	500	0	0	Estimate	
DefaultCurrencyName	nvarchar	800	0	0	Estimate	
DefaultMaintenanceLaborAssemblyCode	nvarchar	100	0	0	Estimate	
EngineerContactDescriptor	nvarchar	500	0	0	Estimate	
EstimatorContactDescriptor	nvarchar	500	0	0	Estimate	
OptBidTypeTagCode	nvarchar	520	0	0	Estimate	
OptCustomerTagCode	nvarchar	520	0	0	Estimate	
OptDistrictOfficeTagCode	nvarchar	520	0	0	Estimate	
OptEstimatorTagCode	nvarchar	520	0	0	Estimate	
OptJobStatusTagCode	nvarchar	520	0	0	Estimate	
OptNew2TagCode	nvarchar	520	0	0	Estimate	
OptSalesOfficeTagCode	nvarchar	520	0	0	Estimate	
OwnerContactDescriptor	nvarchar	500	0	0	Estimate	
RFQContactContactDescriptor	nvarchar	500	0	0	Estimate	
ScheduleCurrencyName	nvarchar	800	0	0	Estimate	
ScheduleLoginDisplayName	nvarchar	200	0	0	Estimate	
StatusDescription	nvarchar	400	0	0	Estimate	
Tag1Code	nvarchar	520	0	0	Estimate	
Tag2Code	nvarchar	520	0	0	Estimate	

Tag3Code	nvarchar	520	0	0	Estimate	
UMName	nvarchar	100	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
BidMasterJobCode	nvarchar	400	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Report	
CreatedById	bigint	8	19	0	Report	
CreatedDate	datetimeoffset	10	34	7	Report	
ModifiedById	bigint	8	19	0	Report	
ModifiedDate	datetimeoffset	10	34	7	Report	

Field Descriptions

Name	Description	Example
EstimateJobReferencedDataId	Unique identifier assigned to each record in the table	1
EstimateJobReferencedDataUF	System generated field, for internal use only	N/A
EstimateJobReferencedDataUID	Unique identifier for Job record in Estimate BidMaster. Not unique in this table but unique to an instance of a Job. Not visible in the interface.	5376AA5E-8C85-43E8-9ACB-D7422000E832
ArchitectContactDescriptor	Value appearing in the Architect field on the Cover Sheet tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This field value can also be obtained from the Jobs table using the [ArchitectUID] field and joining to the Contacts table.	Example Architect -- Robert Frost
CertificationAuthorityContactDescriptor	Value appearing in the Certification Authority field on the Minority Setup tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This field value can also be obtained from the Jobs table using the [CertificationAuthorityUID] field and joining to the Contacts table.	Example Owner -- Jerry Slate
DefaultCurrencyName	Text description of the Jobs Default Currency. Chosen from a drop down list on the Cost Basis tab of Job Properties in the Estimate Application	U.S. Dollar
DefaultMaintenanceLaborAssemblyCode	Text description of the Jobs Maintenance Assembly. Chosen	CMAINT

	from a selection register on the Equipment Maintenance tab of Job Properties in the Estimate Application	
EngineerContactDescriptor	Value appearing in the Engineer field on the Cover Sheet tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This field value can also be obtained from the Jobs table using the [EngineerUID] field and joining to the Contacts table.	Example Engineer -- Fred Jones
EstimatorContactDescriptor	Value appearing in the Estimator field on the Cover Sheet tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This fields value can also be obtained from the Jobs table using the [EstimatorUID] field and joining to the Contacts table.	Example Prime Contractor 1 -- Tom Cross
OptBidTypeTagCode	Text value appearing in Tag field 13 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptBidTypeTagUID] field and joining to the UserTags table.	Sub bid
OptCustomerTagCode	Text value appearing in Tag field 1 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptCustomerTagUID] field and joining to the UserTags table.	Prime Contractor 1
OptDistrictOfficeTagCode	Text value appearing in Tag field 9 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptDistrictOfficeTagUID] field and joining to the UserTags table.	Midwest
OptEstimatorTagCode	Text value appearing in Tag field 8 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptEstimatorTagUID] field and joining to the UserTags table.	Tom Cross
OptJobStatusTagCode	Text value appearing in Tag field 11 on the Job Folder Tags tab of Job	Pending Award

	Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptJobStatusTagUID] field and joining to the UserTags table.	
OptNew2TagCode	Text value appearing in Tag field 12 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptNew2TagUID] field and joining to the UserTags table.	Misc. data here
OptSalesOfficeTagCode	Text value appearing in Tag field 10 on the Job Folder Tags tab of Job Properties in the Estimate Application. This fields value can also be obtained from the Jobs table using the [OptSalesOfficeTagUID] field and joining to the UserTags table.	North America
OwnerContactDescriptor	Value appearing in the Owner field on the Cover Sheet tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This field value can also be obtained from the Jobs table using the [OwnerUID] field and joining to the Contacts table.	Example Owner - - Jerry Slate
RFQContactContactDescriptor	Value appearing in the RFQ Contact field on the Cover Sheet tab of Job Properties in the Estimate Application. Field value includes the company name followed by the contacts first and last name. This field value can also be obtained from the Jobs table using the [RFQContactUID] field and joining to the Contacts table.	Example Prime Contractor 1 -- Tom Cross
ScheduleCurrencyName	Text description of the Jobs Schedule Currency, chosen from a drop down list on the Schedule tab of Job Properties in the Estimate Application	U.S. Dollar
ScheduleLoginDisplayName	Field for internal use only	Null
StatusDescription	Field for internal use only	Null
Tag1Code	Field for internal use only	Null
Tag2Code	Field for internal use only	Null
Tag3Code	Field for internal use only	Null
UMName	Text description of the Liq Damages Per drop down list on the Cover	Day

	Sheet tab of Job Properties in the Estimate Application	
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
BidMasterJobCode	Value of the Code field on the Overview tab of Job Properties in the Estimate Application. This field value can also be found in the Code field of the Jobs table using the [BidMasterJobUID] field and joining to the Jobs table.	Training Job
LastUpdateID	Field for internal use only	430
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	True = 1 False = 0
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

Commented [AC4]: used to determine if a record has changed and needs to be updated when a save is invoked, prevents updating all data on a save event

Sample

Commented [NT5]: This is a sample of the data from a call of this API using this link in red in one browser tab. You will need to change the first highlighted portion to match the QA environment you are using (with the web app open in the same browser to create a token for you to access the data) and the specific API on the end. Include a sample of the data you return it will fall between two curly brackets { }.

{"EstimateJobReferencedDataId":5155,"EstimateJobReferencedDataUF":"4d13358e-6e34-40cc-b5b3-1835b0986afd","EstimateJobReferencedDataUID":"4d13358e-6e34-40cc-b5b3-1835b0986afd","ArchitectContactDescriptor":"Example Architect -- Robert Frost","CertificationAuthorityContactDescriptor":"Example Owner -- Jerry Slate","DefaultCurrencyName":"U.S. Dollar","DefaultMaintenanceLaborAssemblyCode":"CMAINT","EngineerContactDescriptor":"Example Engineer -- Fred Jones","EstimatorContactDescriptor":"Example Prime Contractor 1 -- Tom Cross","OptBidTypeTagCode":null,"OptCustomerTagCode":null,"OptDistrictOfficeTagCode":null,"OptEstimatorTagCode":null,"OptJobStatusTagCode":null,"OptNew2TagCode":null,"OptSalesOfficeTagCode":null,"OwnerContactDescriptor":"Example Owner -- Jerry Slate","RFQContactContactDescriptor":"Example Prime Contractor 1 -- Tom Cross","ScheduleCurrencyName":"U.S. Dollar","ScheduleLoginDisplayName":null,"StatusDescription":null,"Tag1Code":null,"Tag2Code":null,"Tag3Code":null,"UMName":"Day","BidMasterJobUID":"4d13358e-6e34-40cc-b5b3-1835b0986afd","BidMasterJobCode":"SB - First Job","LastUpdateID":9,"IsActive":true,"CreatedById":1,"CreatedDate":"2022-02-21T17:47:21.1206121Z","ModifiedById":1,"ModifiedDate":"2022-02-21T17:47:21.1206121Z"}

Data Validation

This data can be validated by opening the Job Properties form in an open job or from the Job Register in the Estimate Library
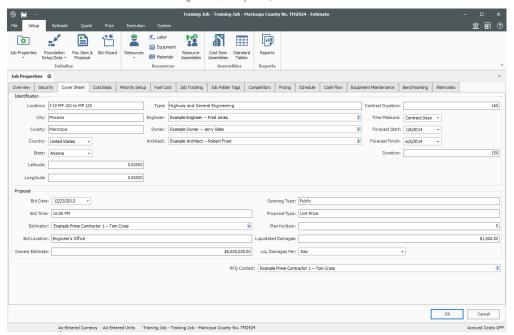
Figure 1: Job Properties, Cover Sheet tab

Figure 2: Estimate Library, Job Register

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