Explore API Documentation

Explore_Estimate_CostItemSetup

Version 2.0

Last Modified: 20-Oct-2025

Last Modified By: Litzy Mora

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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	19-Nov-2024	Initial release	Aaron Cohen
2.0	20-Oct-2025	Updated Data Refresh	Litzy Mora

Contents

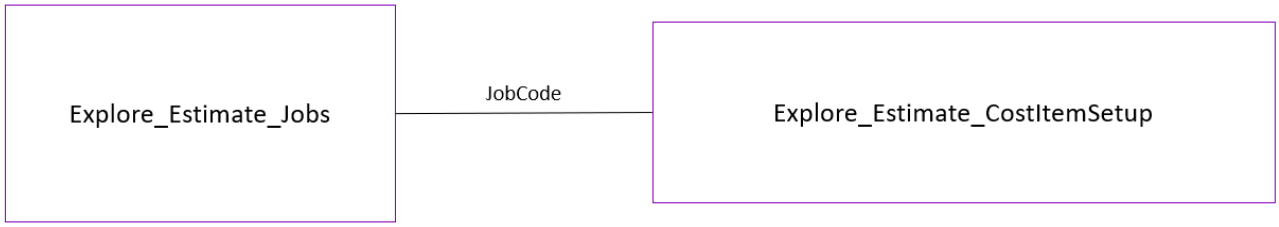
Change Log....2
Overview....3
Relationships and Dependencies....3
API Detail....4
Supported Filters....4
Fields....4
Field Descriptions....6
Sample....9
Data Validation....11

Overview

The ***Explore_Estimate_CostItemSetup*** API provides Cost Item record fields related to cost item behavior such as the fields found on the Cost Item Setup Datablock.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
CostItemSetup (CIS)	Jobs (J)	CIS.JobCode = J.JobCode	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		Explore_Estimate_CostItemSetup
Replicate View		[Explore].[vwEstimateCostItemSetup]
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**	23.12
	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
EstimateCostItemSetupId	bigint	8	19	0	Estimate	X
CostItemsUID	uniqueidentifier	16	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
JobCode	nvarchar	200	0	0	Estimate	
CBSPositionCode	nvarchar	100	0	0	Estimate	
Description	nvarchar	-1	0	0	Estimate	
ForecastTOQuantity	float	8	53	0	Estimate	
UnitofMeasure	nvarchar	50	0	0	Estimate	
UnitCost	float	8	53	0	Estimate	
TotalCost	float	8	53	0	Estimate	
Currency	nvarchar	400	0	0	Estimate	
PayItemAssignment	nvarchar	100	0	0	Estimate	
PayItemPositionCode	nvarchar	100	0	0	Estimate	
PayItemLineNumber	nvarchar	100	0	0	Estimate	
PayItemDescription	nvarchar	-1	0	0	Estimate	
PayQuantity	float	8	53	0	Estimate	
CostSegment	nvarchar	50	0	0	Estimate	
CostSource	nvarchar	50	0	0	Estimate	

Awardee	nvarchar	250	0	0	Estimate	
Alternate	nvarchar	30	0	0	Estimate	
Alternate_Description	nvarchar	1000	0	0	Estimate	
SuspendedbyAlternate	bit	1	1	0	Estimate	
Scale1	float	8	53	0	Estimate	
Scale2	float	8	53	0	Estimate	
Scale3	float	8	53	0	Estimate	
WorkHourRules	float	8	53	0	Estimate	
PayHourRules	float	8	53	0	Estimate	
WorkHoursPerShift	float	8	53	0	Estimate	
ShiftsPerDay	float	8	53	0	Estimate	
DaysPerWeek	float	8	53	0	Estimate	
AccountCode	nvarchar	50	0	0	Estimate	
AccountDescription	nvarchar	300	0	0	Estimate	
CostCurve	nvarchar	50	0	0	Estimate	
WorkersCompOverride	nvarchar	50	0	0	Estimate	
QuantityDriver	nvarchar	50	0	0	Estimate	
QuantityRoll_UpCode	nvarchar	50	0	0	Estimate	
QuantityRoll_UpDescription	nvarchar	300	0	0	Estimate	
QuoteGroup	nvarchar	50	0	0	Estimate	
MinorityPercent	float	8	53	0	Estimate	
PhaseCode	nvarchar	50	0	0	Estimate	
SecondaryQuantity	float	8	53	0	Estimate	
SecondaryUnit	nvarchar	50	0	0	Estimate	
QuantityCheck	bit	1	1	0	Estimate	
QuantityWarning	bit	1	1	0	Estimate	
EarningsPct	float	8	53	0	Estimate	
Earnings_Timing	nvarchar	50	0	0	Estimate	
EarningsAmountForecast	float	8	53	0	Estimate	
Period_Count_Mismatch	bit	1	1	0	Estimate	
HasPeriodResources	bit	1	1	0	Estimate	
AllowAs_Built	nvarchar	50	0	0	Estimate	
DataSource	nvarchar	200	0	0	Estimate	
ReferenceNumber	nvarchar	100	0	0	Estimate	
IsLinkedtoExcel	bit	1	1	0	Estimate	
DependentItemSubjectCost	float	8	53	0	Estimate	
DependentItemSubjectCostRate	float	8	53	0	Estimate	
Allocated	bit	1	1	0	Estimate	
AllocationSource	nvarchar	500	0	0	Estimate	
IsTerminal	bit	1	1	0	Estimate	
Suspend	bit	1	1	0	Estimate	
CostItemSort	nvarchar	100	0	0	Estimate	
EstimateCostItemId	BIGINT	NULL	NULL	NULL	Estimate	

Field Descriptions

Name	Description	Example
EstimateCostItemSetupId	System generated field, for internal use only	468336
CostItemsUID	Unique identifier for a Cost Item record within a Job. This fields value is not visible in the application.	ec614499-750f-4592-b75d-dac50f4e3e66
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database.	baed5a3e-d9cf-495b-b134-67236ab01d63
JobCode	Code field value of the Job as found on the Overview tab of Job Properties or in the Job Register of the Estimate Application	Training Job
CBSPositionCode	CBS Position Code field value of the Cost Item record	4.1
Description	Description field value of the Cost Item record	Furnish & Haul Base Material
ForecastTOQuantity	Forecast (T/O) Quantity field value of the Cost Item record	45000
UnitofMeasure	Unit of Measure field value of the Cost Item record	Ton
UnitCost	Unit Cost field value of the Cost Item record	13.669842299776516
TotalCost	Total Cost (Forecast) field value of the Cost Item record	615142.9034821363
Currency	Currency field value of the Cost Item record	U.S. Dollar
PayItemAssignment	Pay Item Assignment field value of the Cost Item record	303 5912
PayItemPositionCode	Pay Item Position Code field value of the Cost Item record	4
PayItemLineNumber	Pay Item Line Number field value of the Cost Item record	40
PayItemDescription	Pay Item Description field value of the Cost Item record	Aggregate Base
PayQuantity	Pay Quantity field value of the Cost Item record	40000
CostSegment	Cost Segment field value of the Cost Item record	Direct Cost
CostSource	Cost Source field value of the Cost Item record	Detail

Awardee	Awardee field value of the Cost Item record	null
Alternate	Alternate field value of the Cost Item record	BASE
Alternate_Description	Alternate Description field value of the Cost Item record	BASE
SuspendedbyAlternate	Suspended by Alternate field value of the Cost Item record	FALSE
Scale1	Scale 1 field value of the Cost Item record	100
Scale2	Scale 2 field value of the Cost Item record	0
Scale3	Scale 3 field value of the Cost Item record	0
WorkHourRules	Work Hours Rules field value of the Cost Item record	8
PayHourRules	Pay Hours Rules field value of the Cost Item record	8
WorkHoursPerShift	Work Hours Per Shift field value of the Cost Item record	8
ShiftsPerDay	Shifts Per Day field value of the Cost Item record	1
DaysPerWeek	Days Per Week field value of the Cost Item record	5
AccountCode	Account Code field value of the Cost Item record	1120.1
AccountDescription	Account Description field value of the Cost Item record	Furn and Haul Base Material
CostCurve	Cost Curve field value of the Cost Item record	Linear
WorkersCompOverride	Worker's Comp Override field value of the Cost Item record	null
QuantityDriver	Quantity Driver field value of the Cost Item record	Superior CI
QuantityRoll_UpCode	Quantity Roll-Up Code field value of the Cost Item record	null
QuantityRoll_UpDescription	Quantity Roll-Up Description field value of the Cost Item record	null
QuoteGroup	Quote Group field value of the Cost Item record	null
MinorityPercent	Minority Percent field value of the Cost Item record	100
PhaseCode	Phase Code field value of the Cost Item record	1015
SecondaryQuantity	Secondary Quantity field value of the Cost Item record	0

SecondaryUnit	Secondary Unit field value of the Cost Item record	null
QuantityCheck	Quantity Check field value of the Cost Item record	FALSE
QuantityWarning	Quantity Warning field value of the Cost Item record	FALSE
EarningsPct	Earnings % field value of the Cost Item record	78.00852175177026
Earnings_Timing	Earnings Timing field value of the Cost Item record	Percent Complete
EarningsAmountForecast	Earnings Amount (Forecast) field value of the Cost Item record	1058731.657215026
Period_Count_Mismatch	Period Count Mismatch field value of the Cost Item record	FALSE
HasPeriodResources	Has Period Resources field value of the Cost Item record	FALSE
AllowAs_Built	Allow As-Built field value of the Cost Item record	None
DataSource	Data Source field value of the Cost Item record	null
ReferenceNumber	Reference Number field value of the Cost Item record	null
IsLinkedtoExcel	Is Linked To Excel field value of the Cost Item record	FALSE
DependentItemSubjectCost	Subject Cost field value of the Cost Item record	0
DependentItemSubjectCostRate	Subject Cost Rate field value of the Cost Item record	0
Allocated	Allocated field value of the Cost Item record	FALSE
AllocationSource	Allocation Source field value of the Cost Item record	null
IsTerminal	Is Terminal field value of the Cost Item record	TRUE
Suspend	Suspend field value of the Cost Item record	FALSE
CostItemSort	Value indicating the ordinal position of the Cost Items in the CBS Register when the register is sorted by the CBS position code. Can be used for sorting. Not visible in the application.	4.1
EstimateCostItemId	Unique identifier for a Cost Item	6574

Sample


```
{
        "EstimateCostItemSetupId": 468336,
        "CostItemsUID": "ec614499-750f-4592-b75d-dac50f4e3e66",
        "BidMasterJobUID": "baed5a3e-d9cf-495b-b134-67236ab01d63",
        "JobCode": "Training Job",
        "CBSPositionCode": "4.1",
        "Description": "Furnish & Haul Base Material",
        "ForecastTOQuantity": 45000.0,
        "UnitofMeasure": "Ton",
        "UnitCost": 13.669842299776516,
        "TotalCost": 615142.90348213632,
        "Currency": "U.S. Dollar",
        "PayItemAssignment": "303 5912",
        "PayItemPositionCode": "4",
        "PayItemLineNumber": "40",
        "PayItemDescription": "Aggregate Base",
        "PayQuantity": 40000.0,
        "CostSegment": "Direct Cost",
        "CostSource": "Detail",
        "Awardee": null,
        "Alternate": "BASE",
        "Alternate_Description": "BASE",
        "SuspendedbyAlternate": false,
        "Scale1": 100.0,
        "Scale2": 0.0,
        "Scale3": 0.0,
        "WorkHourRules": 8.0,
        "PayHourRules": 8.0,
        "WorkHoursPerShift": 8.0,
        "ShiftsPerDay": 1.0,
        "DaysPerWeek": 5.0,
        "AccountCode": "1120.100",
        "AccountDescription": "Furn and Haul Base Material",
        "CostCurve": "Linear",
        "WorkersCompOverride": null,
        "QuantityDriver": "Superior CI",
        "QuantityRoll_UpCode": null,
        "QuantityRoll_UpDescription": null,
        "QuoteGroup": null,
        "MinorityPercent": 100.0,
        "PhaseCode": "1015",
        "SecondaryQuantity": 0.0,
        "SecondaryUnit": null,
        "QuantityCheck": false,
        "QuantityWarning": false,
        "EarningsPct": 78.00852175177026,
        "Earnings_Timing": "Percent Complete",
        "EarningsAmountForecast": 1058731.657215026,
```

```
        "Period_Count_Mismatch": false,
        "HasPeriodResources": false,
        "AllowAs_Built": "None",
        "DataSource": null,
        "ReferenceNumber": null,
        "IsLinkedtoExcel": false,
        "DependentItemSubjectCost": 0.0,
        "DependentItemSubjectCostRate": 0.0,
        "Allocated": false,
        "AllocationSource": null,
        "IsTerminal": true,
        "Suspend": false,
        "CostItemSort": "4.1"
}
```

Data Validation

The Cost Item setup fields can be validated by opening using the Standard View in the CBS Register or opening individual Cost Item records.

Figure 1: Cost Breakdown Structure (CBS) Register with the *Standard* view selected

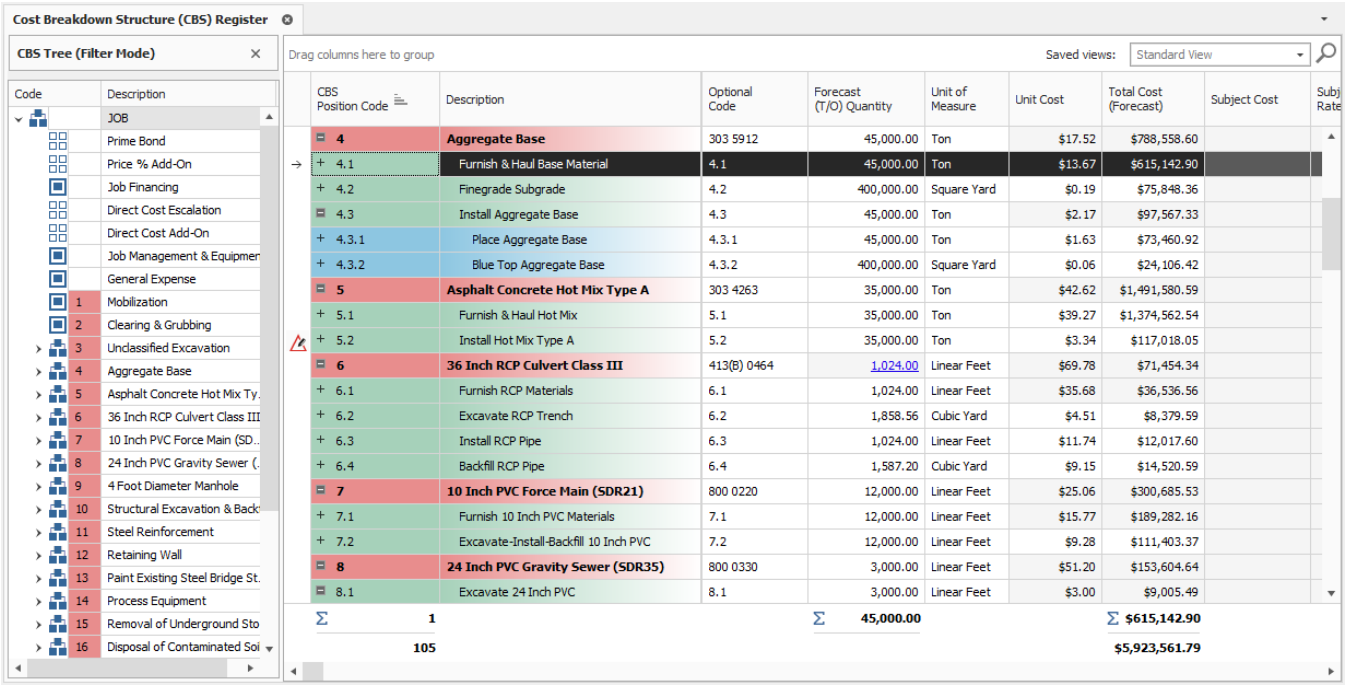
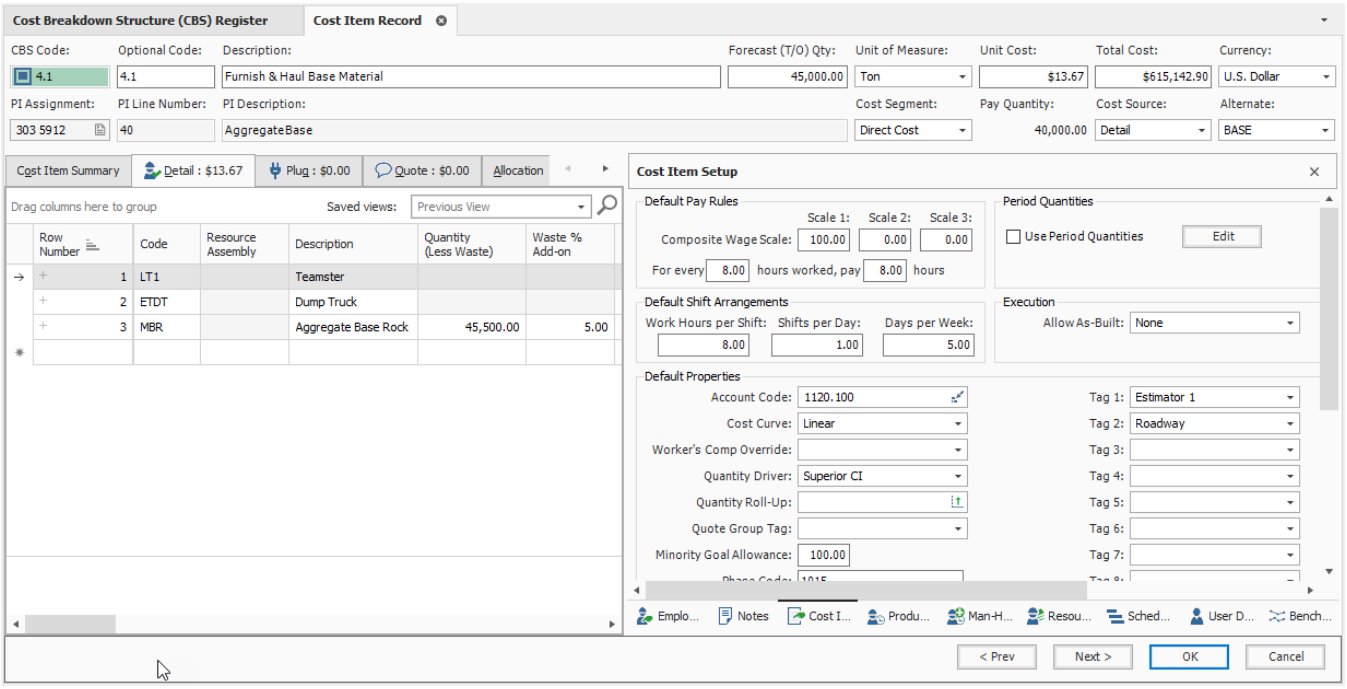



Figure 2: Cost Item record displaying the Cost Item Setup datablock