



## Explore API Documentation

# SelfService\_Contract\_ContractWorkflow

Version 2.0

Last Modified: 11/14/2023



## 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      | 06/10/2020  | Initial draft   | Swadesh Subedi |
| 1.1      | 08/28/2020  | Added Value field   | Swadesh Subedi |
| 2.0      | 01/15/2021  | <ul style="list-style-type: none"> <li>Added Supporting Document Workflow, WorkflowStatusId, WorkflowTypeId</li> <li>Removed Current and Previous Workflow fields</li> <li>Reordered columns</li> </ul> | Swadesh Subedi |
|          |             |   |                |

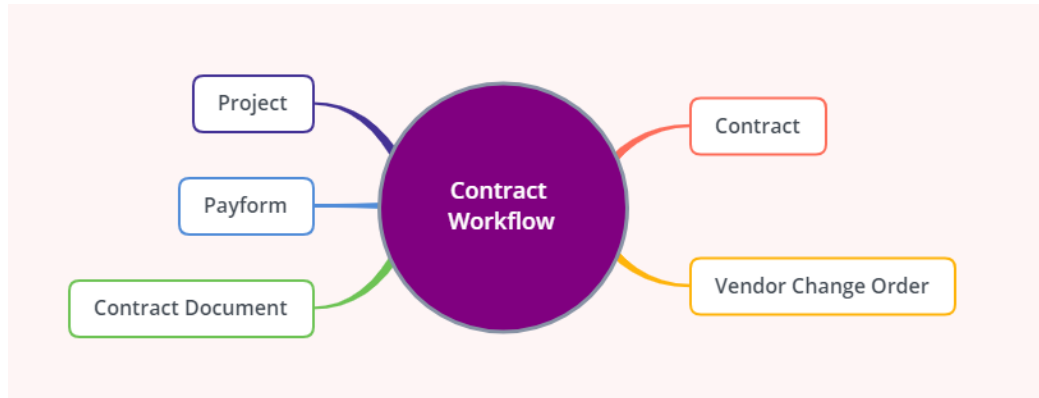
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## Overview

The **SelfService\_Contract\_ContractWorkflow** API provides the workflow information on contract, vendor change orders, payforms, and contract documents. There can be more than one workflow but only one workflow can be active at one time; other workflows will be inactive and in recalled status. A workflow (parent) can have multiple steps. The status of the workflow will be set to approved only after all the steps in it are approved. The workflow also provides the workflow created/end date, approved/rejected date and approvers associated with each step. Each record corresponds to a workflow step.



## Relationships and Dependencies

| From: Table           | To: Table                            | Relationship  | Cardinality | Comment                                    |
|-----------------------|--------------------------------------|---|-------------|--|
| ContractWorkflow (CW) | Selfservice.vwContract (C)           | CW.SourceSystemId = C.ContractId and WorkflowTypeId =1              | M:1         | C  |
| ContractWorkflow (CW) | Selfservice.vwVendorChangeOrder(VCO) | CW.SourceSystemId = VCO.ContractChangeOrderId and WorkflowTypeId =2 | M:1         | Vendor change order                        |
| ContractWorkflow (CW) | Selfservice.vwPayform (PF)           | CW.SourceSystemId = PF.PayformId and WorkflowTypeId =3              | M:1         | Payform                                    |
| ContractWorkflow (CW) | Selfservice.vwContractDocument (CD)  | CW.SourceSystemId = CD.ContractDocumentId and WorkflowTypeId =4     | M:1         | Contract documents                         |
| ContractWorkflow (CW) | Project (P)                          | CW.ProjectId = P.ProjectId  | M:1         | Project Id, Project display, Project name. |

## 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_Contract_ContractWorkflow   |      |
| API URL (QA)                         | https://t01-kwt-tst-202.hds.ineight.com/reportwebservices/odata/SelfService_Contract_ContractWorkflow   |      |
| Data Refresh/Delta/Incremental Loads | This API must be run as a full refresh each time; the data in this API refreshes every 15-20 minutes  |      |
| Project Suite                        | Starting Version  | V1.0 |
|                                      | Ending Version  | V2.0 |

## Supported Filters

All default OData filters are supported by this API.

## Fields

| Column Name          | Data Type      | Char Max Length | Numeric Precision | Numeric Scale | Date Precision | Is Nullable | PK |
|----------------------|----------------|-----------------|-------------------|---------------|----------------|-------------|----|
| WorkflowHistoryId    | bigint         | NULL            | 19                | 0             | NULL           | 0           | X  |
| WorkflowTypeId       | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| WorkflowTypeName     | nvarchar       | 500             | NULL              | NULL          | NULL           | 1           |    |
| WorkflowStepNumber   | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| WorkflowStepTitle    | nvarchar       | 500             | NULL              | NULL          | NULL           | 1           |    |
| StepStatusId         | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| StepStatus           | nvarchar       | 50              | NULL              | NULL          | NULL           | 1           |    |
| AssignedApprovers    | nvarchar       | 4000            | NULL              | NULL          | NULL           | 1           |    |
| ApproveRejectBy      | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| ApproveRejectByName  | nvarchar       | 402             | NULL              | NULL          | NULL           | 1           |    |
| ApproveRejectDate    | datetimeoffset | NULL            | NULL              | NULL          | 7              | 1           |    |
| ProjectId            | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| ContractId           | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| SourceSystemId       | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| AssociatedItem       | nvarchar       | 4000            | NULL              | NULL          | NULL           | 1           |    |
| Value                | decimal        | NULL            | 16                | 5             | NULL           | 1           |    |
| WorkflowInitiationId | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |
| WorkFlowStatusId     | bigint         | NULL            | 19                | 0             | NULL           | 1           |    |

|                          |                |      |      |      |      |   |  |
|--------------------------|----------------|------|------|------|------|---|--|
| WorkflowStatus           | nvarchar       | 50   | NULL | NULL | NULL | 1 |  |
| WorkflowStartDate        | date           | NULL | NULL | NULL | 0    | 1 |  |
| WorklowEndDate           | date           | NULL | NULL | NULL | 0    | 1 |  |
| IsActive                 | int            | NULL | 10   | 0    | NULL | 0 |  |
| WorkFlowStepCreatedDate  | date           | NULL | NULL | NULL | 0    | 1 |  |
| WorkflowStepModifiedDate | date           | NULL | NULL | NULL | 0    | 1 |  |
| ModifiedDate             | datetimeoffset | NULL | NULL | NULL | 7    | 1 |  |

## Field Descriptions

| Name                        | Description   | Example                               |
|-----------------------------|---|---------------------------------------|
| <b>WorkflowHistoryId</b>    | Unique identifier of a workflow step. Each workflow can have multiple step.   | 46527                                 |
| <b>WorkflowTypeId</b>       | Workflow type identifier.   | 2                                     |
| <b>WorkflowTypeName</b>     | Workflow type. Contract, VCO or Payform.  | Vendor change order approval setup    |
| <b>WorkflowStepNumber</b>   | Sequential numbering for each step on a workflow. Starts with 1 and resets for each workflow.   | 1                                     |
| <b>WorkflowStepTitle</b>    | Step title (name)   | Business Compliance                   |
| <b>StepStatusId</b>         | Workflow step status identifier   | 1                                     |
| <b>StepStatus</b>           | Name of the workflow step status  | In approval                           |
| <b>AssignedApprovers</b>    | Approvers assigned to this step. Can be multiple roles or users.  | InEight QA Team                       |
| <b>ApproveRejectBy</b>      | User Id of the approver   | 10876                                 |
| <b>ApproveRejectByName</b>  | Name of the person who approved/rejected the workflow step  | Latoya Morales                        |
| <b>ApproveRejectDate</b>    | Step approved/rejected date   | 2020-07-05<br>18:37:55.0352529 +00:00 |
| <b>ProjectId</b>            | Project identifier  | 82                                    |
| <b>ContractId</b>           | Contract identifier   | 7100000020                            |
| <b>SourceSystemId</b>       | Identifier of the entity based on the workflow type.<br>Contract: ContractId<br>VCO: ContractChangeOrderId<br>Payform: PayformId<br>Contract document: ContractDocumentId           | 126                                   |
| <b>AssociatedItem</b>       | Contract: Contract Id – Title<br>VCO: VCO number – Description<br>Payform: Payform Code – Description<br>Document: ContractDocumentType - DocumentName                              | 1264 - IWO 018R1                      |
| <b>Value</b>                | Value of corresponding Associated Item.<br>Contract: Current Value<br>VCO: Vendor Change Order Amount<br>Payform: Gross Amount<br>Document: NULL                                    | 16,000                                |
| <b>WorkflowInitiationId</b> | Identifier of the workflow. All workflow steps (children) in the workflow share this Id. There can be multiple workflows for an associated item with different WorkflowInitiationId | 2064                                  |
| <b>WorkFlowStatusId</b>     | Status of the workflow. Each step within the workflow can be in different status.   | 1                                     |

|                                 |  |                                       |
|---------------------------------|--|---------------------------------------|
| <b>WorkflowStatus</b>           | Workflow status name. Each step within the workflow can be in different status.                | In approval                           |
| <b>WorkflowStartDate</b>        | Workflow started/created date.   | 2020-06-28                            |
| <b>WorkflowEndDate</b>          | Workflow end date.   | 2020-07-05                            |
| <b>IsActive</b>                 | Indicates if the record is active or has been soft deleted.                                    | 1 = Active<br>0 = Inactive            |
| <b>WorkflowStepCreatedDate</b>  | Workflow step created date.  | 2020-06-28                            |
| <b>WorkflowStepModifiedDate</b> | Workflow step modified date.   | 2020-07-05<br>18:37:55.0352529 +00:00 |
| <b>ModifiedDate</b>             | Last modified date from all fields. This field is used for incremental refresh of the records. | 2020-08-21<br>21:36:48.4729739 +00:00 |

## Sample


```
{
"WorkflowHistoryId":6,"WorkflowTypeId":1,"WorkflowTypeName":"Contract approval
setup", "WorkflowStepNumber":1, "WorkflowStepTitle": "pratap
penmetsa", "StepStatusId":4, "StepStatus": "Recalled", "AssignedApprovers":null, "ApproveRejectBy
y":0, "ApproveRejectByName": "
", "ApproveRejectDate":null, "ProjectId":1, "ContractId":7400000001, "SourceSystemId":740000000
1, "AssociatedItem": "7400000001 -
Sampleproduction", "Value":200.00000, "WorkflowInitiationId":5, "WorkflowStatusId":4, "Workflow
Status": "Recalled", "WorkflowStartDate": "2017-11-
18", "WorkflowEndDate":null, "IsActive":0, "WorkflowStepCreatedDate": "2017-11-
18", "WorkflowStepModifiedDate": "2017-11-18", "ModifiedDate": "2019-03-13T03:17:54.8192456Z"
}
```

## Data Validation

Workflows can be located by clicking on the Workflows item from the Project menu.

### Applications

 Model

 Document

 Schedule

### Project




Project home

Project details

Settings

Workflows

The details on the workflows are available on the Workflow page.

|                          | Workflow type       | Contract ID | Associated item          | Status   | Started date/time     | Previous completed s... | Previous approver | Current step |
|--------------------------|---------------------|-------------|--------------------------|--|-----------------------|-------------------------|-------------------|--------------|
| <input type="checkbox"/> | Vendor change order | 7400002521  | 1-VCO_Check              |  Approved | 06/03/2020 8:37:27 AM | Test                    |                   | Complete     |
| <input type="checkbox"/> | Payment form        | 7400002521  | 0001-Payforms_check      |  Approved | 06/03/2020 8:36:49 AM | Test                    |                   | Complete     |
| <input type="checkbox"/> | Contract            | 7400002521  | 7400002521-SmokeTestL... |  Approved | 06/03/2020 8:34:25 AM | Test                    |                   | Complete     |

