

Create a crosswalk configuration to integrate your system with SEI system. Source system information, destination system information and connection strings are stored per system. The cross walk execution is automated and the destination systems are updated post completion

TAGS: crosswalk, CRM,

ENDPOINT: Mapping Utility

ENDPOINT DESCRIPTION:

Returns all the integration mapping data for a particular system.

PROD URL: https://api.seic.com/v1/mappingUtility/{systemName}

TEST URL: https://test.api.seic.com/v1/mappingUtility/{systemName}

TLS URL*: https://mtls.api.seic.com/v1/mappingUtility/{systemName}

*The TLS endpoint is only used if Server Based Application was selected during the App Registration process.

STEP 1

OAuth Token

STEP 2

Pass the OAuth Token and the App key to invoke this endpoint for a particular application.

REQUEST PARAMETERS:

Name	Description	Data Type	Parameter Type
Authorization	access_token value obtained from the Token endpoint.This is passed as "Bearer access_token".	string	header
AppKey	This is the Consumer Key provided during the App Registration process and is used to identify the user's application.	string	header
systemName	The system for which the mapping utility will provide field mapping data. Valid value is crm.	string	template
configExternalId		string	query

SAMPLE REQUEST:

```
curl -X GET \  
  https://api.seic.com/v1/mappingUtility/crm \  
  -H 'appkey: gsedgaerhDSHGRSH' \  
  -H 'authorization: Bearer ADsgdnnkjnfdIKJN' \  
  -H 'configExternalId: 1234567890'
```

REQUEST HEADER:

```
Authorization: Bearer ADsgdnnkjnfdIKJN  
AppKey: gsedgaerhDSHGRSH
```

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
salesforceDataSyncProcess	An array of configuration fields and data mapping necessary to support integration between two systems.	array
dbConnectionKey	Database key.	string
targetApiObject	The target API object that the data will be transmitted to via a POST call.	string
upsertKeyField	Upsert key.	string
processKey	Process key.	string
bulkAPIColumns	An array of source and destination field mapping pairs.	array
sourceColumnName	Source column name within the stored procedure or API call.	string
destinationColumnName	Destination column name within the stored procedure or API call.	string
columnOrder	Sort order of columns.	string
maxLength	Maximum allowable length.	string
parameterName	Name of the parameter for the stored procedure or API.	string
parameterValue	Value of the parameter for the stored procedure or API.	string
enabled	Identifies whether the mapping is enabled. true/false	string
bulkRequestSize	The size of the request.	string
bulkApiVersion	Version of the API.	string
sourceObjectName	Specifies the API URL or stored procedure name used as the source for the process mapping.	string
sourceObjectType	Identifies if the sourceObjectName (ie data source) is an 'API' or a 'StoredProcedure'.	string
targetApiFileType	Identifies the format of the source output as either 'JSON' or 'CSV'.	string
order	A single mapping configuration can be a collection of individual processes. The Order field identifies the sequence in which each process should be run with 1 being first. This is useful when there is a data dependency across the processes in a single mapping configuration.	string
sourceParentColumnName	When the field being mapped is contained in an object, the object name must be specified.	string
isSourceColumnArray	When the field being mapped is part of an array, isSourceColumnArray is 'true', otherwise it's 'false'. This tells the mapping utility how to interpret the response to build the output file.	true
sourceColumnArrayFilterName	When the data being mapped is part of an array, the sourceColumnArrayFilterName is used to define filter criteria for mapping specific values to different destination fields. It is used in conjunction with sourceColumnArrayFilterValue. Example: Investor Address is an array containing address types of Legal and Mailing address. sourceColumnArrayFilterName=type will allow mapping Legal address to one destination and Mailing address to another.	string
sourceColumnArrayFilterValue	When the data being mapped is part of an array, the sourceColumnArrayFilterValue is used to define filter criteria for mapping specific values to different destination fields. It is used in conjunction with sourceColumnArrayFilterName. Example: Investor Address is an array containing address types of Legal and Mailing address. sourceColumnArrayFilterValue=Mailing will allow mapping Mailing address to one destination and Legal address to another.	string
parameterType		string
parameters	The conditions that we need to supply in order to run a report	string

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
storedProcedureName	Name of the stored procedure within the target database.	string
dbConnectionKey	Database key.	string
executionOrder	Execution order.	number
targetApiObject	Target object within the API response.	string
upsertKeyField	Upsert key.	string
processKey	Process key.	string
sourceColumnName	Source column name within the stored procedure or API call.	string
destinationColumnName	Destination column name within the stored procedure or API call.	string
columnOrder	Sort order of columns	string
maxLength	Maximum allowable length	string
parameterName	Available parameter name.	string
parameterValue	Available parameter value.	string
enabled	enabled true/false.	boolean
clientId	4 digit client id.	string
bulkRequestSize	Size of the request.	number
bulkApiVersion	Version of the API.	string

RESPONSE ERRORS:

Name	Description
200	OK- The request has succeeded and the response has been returned.
400	Bad request - The server cannot or will not process the request due to an inaccurate request submitted by the client application. Please resubmit the request after making the required corrections indicated in the error response. For more Info on SEI Error Standards please refer to the API Standards FAQ under Support.
401	Unauthorized - Invalid authentication details have been provided. Also useful to trigger an authorization pop up if the API is used from a browser.
403	Forbidden-The SEI Server understood the request but refuses to fulfill it.
404	Not Found- The requested resource or the underlying resource does not exist. Please resubmit the request after making the required corrections
500	Internal Server Error - The server was unable to fulfill the request due to an unknown condition. Please contact SEI for support. For More Info please refer to the "Response & Errors" FAQ under support.

SAMPLE RESPONSE:

```
{
  "data": {
    "salesforceDataSyncProcess": [
      {
        "sourceObjectName": "'https://api.seic.com/v1/investors/standard?active=true",
        "sourceObjectType": "API",
        "dbConnectionKey": "Default",
        "targetApiFileType": "JSON",
        "order": 1,
        "targetApiObject": "Investor_Account__c",

```

```

"upsertKeyField": "Investor_Code__c",
"processKey": "",
"bulkApiColumns": [
  {
    "sourceColumnName": "externalId",
    "sourceParentColumnName": null,
    "isSourceColumnArray": false,
    "sourceColumnArrayFilterName": null,
    "sourceColumnArrayFilterValue": null,
    "destinationColumnName": "Investor_Code__c",
    "columnOrder": 1,
    "maxLength": 0
  },
  {
    "sourceColumnName": "fullName",
    "sourceParentColumnName": null,
    "isSourceColumnArray": false,
    "sourceColumnArrayFilterName": null,
    "sourceColumnArrayFilterValue": null,
    "destinationColumnName": "Investor_Name__c",
    "columnOrder": 2,
    "maxLength": 0
  },
  {
    "sourceColumnName": "primaryTaxId",
    "sourceParentColumnName": "pii",
    "isSourceColumnArray": false,
    "sourceColumnArrayFilterName": null,
    "sourceColumnArrayFilterValue": null,
    "destinationColumnName": "Investor_Tax_ID__c ",
    "columnOrder": 3,
    "maxLength": 0
  },
  {
    "sourceColumnName": "countryIsoCode",
    "sourceParentColumnName": "address",
    "isSourceColumnArray": true,
    "sourceColumnArrayFilterName": "type",
    "sourceColumnArrayFilterValue": "Legal",
    "destinationColumnName": "Investor_Legal_Country__c ",
    "columnOrder": 4,
    "maxLength": 0
  }
],
"parameters": [ ],
"enabled": true
}
],
"bulkRequestSize": 10000,
"bulkApiVersion": "34.0"
}
}

```

RESPONSE HEADER:

```

Content-Type: application/json
Status: 200 OK
requesttrackingid: 67e1ff68-164f-03ad-0f2d-5cbbfda56ec9

```

