SMWE – SCIM API Details for User Management Automation Through SailPoint IIQ

Java REST API calls to SailPoint IIQ

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# Contractor Creation

## Request

**Request Type:** Post

**URL**: <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Headers**:

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body**:

|  |
| --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": "SMWE - Contractor Creation Workflow",      "input": [        {          "key": "firstname",          "value": "Breaton01"        },        {          "key": "lastname",          "value": "IMaster01"        },                    {          "key": "employeetype",          "value": "Contractor"        },        {          "key": "personalemail",          "value": "[test@gmail.com](mailto:test@gmail.com)"        },        {          "key": "contactnumber",          "value": "1234567890"        },        {          "key": "jobtitle",          "value": "title-test-contractor"        },        {          "key": "department",          "value": "dept-test-contractor"        },        {          "key": "managerid",          "value": "10000"        },        {          "key": "startdate",          "value": "02/12/19"        },        {          "key": "terminationdate",          "value": "02/12/2020"        }      ]    }  } |

Variables that need will change for each request – firstname, lastname, employeetype, personalemail, contactnumber, jobtitle, department, managerid, startdate, terminationdate.

## Response

**JSON Response**

|  |
| --- |
| {     "partitioned": false,     "completed": "2019-09-23T08:37:59.006-08:00",     "type": "Workflow",     "launched": "2019-09-23T08:37:52.678-08:00",     "pendingSignoffs": 0,     "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow":    {        "output":       [                    {              "type": "application/int",              "value": "0",              "key": "retries"           },                    {              "value": "c-BrI12",              "key": "AD-LoginID"           },                    {              "type": "application/xml",              "value": "<WorkflowSummary step=\"Stop\"/>\n",              "key": "workflowSummary"           },                    {              "value": "c10040",              "key": "iiqUid"           },                    {              "type": "application/xml",              "value": "<ApprovalSet>\n  <ApprovalItem application=\"Active Directory\" id=\"f085425b46b94df38ebbd308b782e012\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" operation=\"Create\" provisioningState=\"Pending\" state=\"Finished\">\n    <Attributes>\n      <Map>\n        <entry key=\"interface\" value=\"LCM\"/>\n        <entry key=\"nativeIdUpdated\">\n          <value>\n            <Boolean>true<\/Boolean>\n          <\/value>\n        <\/entry>\n      <\/Map>\n    <\/Attributes>\n    <ApprovalItemComments>\n      <Comment author=\"Auto approve item not requiring approval background event\" comment=\"spadmin\" date=\"1569256675222\"/>\n    <\/ApprovalItemComments>\n  <\/ApprovalItem>\n<\/ApprovalSet>\n",              "key": "approvalSet"           },                    {              "type": "application/xml",              "value": "<ProvisioningProject identity=\"c10040\">\n  <Attributes>\n    <Map>\n      <entry key=\"disableRetryRequest\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"identityRequestId\" value=\"0000000400\"/>\n      <entry key=\"noApplicationTemplates\" value=\"false\"/>\n      <entry key=\"noFiltering\" value=\"false\"/>\n      <entry key=\"noLocking\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"optimisticProvisioning\" value=\"false\"/>\n      <entry key=\"requester\" value=\"spadmin\"/>\n      <entry key=\"source\" value=\"LCM\"/>\n    <\/Map>\n  <\/Attributes>\n  <MasterPlan>\n    <ProvisioningPlan>\n      <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\"/>\n      <Attributes>\n        <Map>\n          <entry key=\"flow\" value=\"Lifecycle\"/>\n          <entry key=\"identityRequestId\" value=\"0000000400\"/>\n          <entry key=\"launcher\" value=\"spadmin\"/>\n          <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n          <entry key=\"requester\" value=\"spadmin\"/>\n          <entry key=\"source\" value=\"LCM\"/>\n        <\/Map>\n      <\/Attributes>\n      <Requesters>\n        <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n      <\/Requesters>\n    <\/ProvisioningPlan>\n  <\/MasterPlan>\n  <ProvisioningPlan nativeIdentity=\"c10040\" targetIntegration=\"Active Directory\" trackingId=\"bc2eb52eab724945b5e2bca07c97c79d\">\n    <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\" targetIntegration=\"Active Directory\">\n      <AttributeRequest name=\"ObjectType\" op=\"Add\" value=\"inetOrgPerson\"/>\n      <AttributeRequest name=\"sAMAccountName\" op=\"Set\" value=\"c-BrI12\"/>\n      <AttributeRequest name=\"password\" op=\"Set\"/>\n      <AttributeRequest name=\"givenName\" op=\"Set\" value=\"Breaton01\"/>\n      <AttributeRequest name=\"sn\" op=\"Set\" value=\"IMaster01\"/>\n      <AttributeRequest name=\"employeeType\" op=\"Set\" value=\"Contractor\"/>\n      <AttributeRequest name=\"mail\" op=\"Add\" value=\"[test@gmail.com\](mailto:test@gmail.com\)"/>\n      <ProvisioningResult status=\"committed\"/>\n    <\/AccountRequest>\n    <Attributes>\n      <Map>\n        <entry key=\"flow\" value=\"Lifecycle\"/>\n        <entry key=\"identityRequestId\" value=\"0000000400\"/>\n        <entry key=\"launcher\" value=\"spadmin\"/>\n        <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n        <entry key=\"requester\" value=\"spadmin\"/>\n        <entry key=\"source\" value=\"LCM\"/>\n      <\/Map>\n    <\/Attributes>\n    <Requesters>\n      <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n    <\/Requesters>\n  <\/ProvisioningPlan>\n<\/ProvisioningProject>\n",              "key": "project"           },                    {              "value": "0000000400",              "key": "identityRequestId"           },                    {              "value": "ac10c85f6d4b13f3816d5efc93f90df7",              "key": "workflowCaseId"           }        ],        "retries": 0,        "input": [{}],        "workflowSummary": "<WorkflowSummary step=\"Stop\"/>\n",        "approvalSet": "<ApprovalSet>\n  <ApprovalItem application=\"Active Directory\" id=\"f085425b46b94df38ebbd308b782e012\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" operation=\"Create\" provisioningState=\"Pending\" state=\"Finished\">\n    <Attributes>\n      <Map>\n        <entry key=\"interface\" value=\"LCM\"/>\n        <entry key=\"nativeIdUpdated\">\n          <value>\n            <Boolean>true<\/Boolean>\n          <\/value>\n        <\/entry>\n      <\/Map>\n    <\/Attributes>\n    <ApprovalItemComments>\n      <Comment author=\"Auto approve item not requiring approval background event\" comment=\"spadmin\" date=\"1569256675222\"/>\n    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          "value": "<WorkflowSummary step=\"Stop\"/>\n",           "key": "workflowSummary"        },              {           "value": "c10040",           "key": "iiqUid"        },              {           "value": "<ApprovalSet>\n  <ApprovalItem application=\"Active Directory\" id=\"f085425b46b94df38ebbd308b782e012\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" operation=\"Create\" provisioningState=\"Pending\" state=\"Finished\">\n    <Attributes>\n      <Map>\n        <entry key=\"interface\" value=\"LCM\"/>\n        <entry key=\"nativeIdUpdated\">\n          <value>\n            <Boolean>true<\/Boolean>\n          <\/value>\n        <\/entry>\n      <\/Map>\n    <\/Attributes>\n    <ApprovalItemComments>\n      <Comment author=\"Auto approve item not requiring approval background event\" comment=\"spadmin\" date=\"1569256675222\"/>\n    <\/ApprovalItemComments>\n  <\/ApprovalItem>\n<\/ApprovalSet>\n",           "key": "approvalSet"        },              {           "value": "<ProvisioningProject identity=\"c10040\">\n  <Attributes>\n    <Map>\n      <entry key=\"disableRetryRequest\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"identityRequestId\" value=\"0000000400\"/>\n      <entry key=\"noApplicationTemplates\" value=\"false\"/>\n      <entry key=\"noFiltering\" value=\"false\"/>\n      <entry key=\"noLocking\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"optimisticProvisioning\" value=\"false\"/>\n      <entry key=\"requester\" value=\"spadmin\"/>\n      <entry key=\"source\" value=\"LCM\"/>\n    <\/Map>\n  <\/Attributes>\n  <MasterPlan>\n    <ProvisioningPlan>\n      <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\"/>\n      <Attributes>\n        <Map>\n          <entry key=\"flow\" value=\"Lifecycle\"/>\n          <entry key=\"identityRequestId\" value=\"0000000400\"/>\n          <entry key=\"launcher\" value=\"spadmin\"/>\n          <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n          <entry key=\"requester\" value=\"spadmin\"/>\n          <entry key=\"source\" value=\"LCM\"/>\n        <\/Map>\n      <\/Attributes>\n      <Requesters>\n        <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n      <\/Requesters>\n    <\/ProvisioningPlan>\n  <\/MasterPlan>\n  <ProvisioningPlan nativeIdentity=\"c10040\" targetIntegration=\"Active Directory\" trackingId=\"bc2eb52eab724945b5e2bca07c97c79d\">\n    <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\" targetIntegration=\"Active Directory\">\n      <AttributeRequest name=\"ObjectType\" op=\"Add\" value=\"inetOrgPerson\"/>\n      <AttributeRequest name=\"sAMAccountName\" op=\"Set\" value=\"c-BrI12\"/>\n      <AttributeRequest name=\"password\" op=\"Set\"/>\n      <AttributeRequest name=\"givenName\" op=\"Set\" value=\"Breaton01\"/>\n      <AttributeRequest name=\"sn\" op=\"Set\" value=\"IMaster01\"/>\n      <AttributeRequest name=\"employeeType\" op=\"Set\" value=\"Contractor\"/>\n      <AttributeRequest name=\"mail\" op=\"Add\" value=\"[test@gmail.com\](mailto:test@gmail.com\)"/>\n      <ProvisioningResult status=\"committed\"/>\n    <\/AccountRequest>\n    <Attributes>\n      <Map>\n        <entry key=\"flow\" value=\"Lifecycle\"/>\n        <entry key=\"identityRequestId\" value=\"0000000400\"/>\n        <entry key=\"launcher\" value=\"spadmin\"/>\n        <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n        <entry key=\"requester\" value=\"spadmin\"/>\n        <entry key=\"source\" value=\"LCM\"/>\n      <\/Map>\n    <\/Attributes>\n    <Requesters>\n      <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n    <\/Requesters>\n  <\/ProvisioningPlan>\n<\/ProvisioningProject>\n",           "key": "project"        },              {           "value": "0000000400",           "key": "identityRequestId"        },              {           "value": "ac10c85f6d4b13f3816d5efc93f90df7",           "key": "workflowCaseId"        }     ],     "id": "ac10c85f6d4b13f3816d5efc93f80df6",     "completionStatus": "Success",     "taskDefinition": "Workflow Launcher",     "terminated": false,     "launcher": "spadmin"  } |

Returned JSON response need to be parsed. From “output” or “attribute” key required information can be extracted.

**Important Attributes:**

* AD-LoginID: Value of this is the userId of the created contractor. This value need to be passed for access requests and contractor modification.
* workflowSummary: Parse this value to check if the workflow has progressed to “stop” step. If it has not, then either the workflow is not yet completed, or it has encountered some error.
* Messages: If there is an error, messages will be added under this key.
* completionStatus: If workflow encounters any error this attribute will flag it.

# Fetch TaskResult for AD-LoginID

If there is no error and the workflow is yet to reach the “stop” step, “AD-LoginID” value may not be returned in the response. In that scenario, further parsing needs to be performed. Below find the steps –

1. Parse the response and get the value of “meta” key
2. “meta” will be of again map type and there will be a key inside it called “location”. Get the value of “location”.
3. Value of “location” is the URL to get the TaskResult.
4. Perform another REST API call with type GET for TaskResult.
5. This TaskResult will have the information of the current status for the running workflow.
6. When the workflow completes, AD-LoginID will be populated in it.

**Response**:

|  |
| --- |
| {     "partitioned": false,     "completed": "2019-09-23T08:37:59.006-08:00",     "type": "Workflow",     "launched": "2019-09-23T08:37:52.678-08:00",     "pendingSignoffs": 0,     "meta":    {        "created": "2019-09-23T08:37:54.296-08:00",        "location": "<https://localhost/identityiq/scim/v2/TaskResults/ac10c85f6d4b13f3816d5efc93f80df6>",        "lastModified": "2019-09-23T08:37:59.008-08:00",        "version": "W/\"1569256679008\"",        "resourceType": "TaskResult"     },     "schemas": ["urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"],     "name": "SMWE - Contractor Creation Workflow - 46",     "messages": [],     "attributes":    [              {           "value": "<ApprovalSet>\n  <ApprovalItem application=\"Active Directory\" id=\"f085425b46b94df38ebbd308b782e012\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" operation=\"Create\" provisioningState=\"Pending\" state=\"Finished\">\n    <Attributes>\n      <Map>\n        <entry key=\"interface\" value=\"LCM\"/>\n        <entry key=\"nativeIdUpdated\">\n          <value>\n            <Boolean>true<\/Boolean>\n          <\/value>\n        <\/entry>\n      <\/Map>\n    <\/Attributes>\n    <ApprovalItemComments>\n      <Comment author=\"Auto approve item not requiring approval background event\" comment=\"spadmin\" date=\"1569256675222\"/>\n    <\/ApprovalItemComments>\n  <\/ApprovalItem>\n<\/ApprovalSet>\n",           "key": "approvalSet"        },              {           "value": "<ProvisioningProject identity=\"c10040\">\n  <Attributes>\n    <Map>\n      <entry key=\"disableRetryRequest\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"identityRequestId\" value=\"0000000400\"/>\n      <entry key=\"noApplicationTemplates\" value=\"false\"/>\n      <entry key=\"noFiltering\" value=\"false\"/>\n      <entry key=\"noLocking\">\n        <value>\n          <Boolean>true<\/Boolean>\n        <\/value>\n      <\/entry>\n      <entry key=\"optimisticProvisioning\" value=\"false\"/>\n      <entry key=\"requester\" value=\"spadmin\"/>\n      <entry key=\"source\" value=\"LCM\"/>\n    <\/Map>\n  <\/Attributes>\n  <MasterPlan>\n    <ProvisioningPlan>\n      <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\"/>\n      <Attributes>\n        <Map>\n          <entry key=\"flow\" value=\"Lifecycle\"/>\n          <entry key=\"identityRequestId\" value=\"0000000400\"/>\n          <entry key=\"launcher\" value=\"spadmin\"/>\n          <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n          <entry key=\"requester\" value=\"spadmin\"/>\n          <entry key=\"source\" value=\"LCM\"/>\n        <\/Map>\n      <\/Attributes>\n      <Requesters>\n        <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n      <\/Requesters>\n    <\/ProvisioningPlan>\n  <\/MasterPlan>\n  <ProvisioningPlan nativeIdentity=\"c10040\" targetIntegration=\"Active Directory\" trackingId=\"bc2eb52eab724945b5e2bca07c97c79d\">\n    <AccountRequest application=\"Active Directory\" nativeIdentity=\"CN=c-bri12,OU=Contractor,OU=Domain Users,DC=SMWEDev,DC=com\" op=\"Create\" targetIntegration=\"Active Directory\">\n      <AttributeRequest name=\"ObjectType\" op=\"Add\" value=\"inetOrgPerson\"/>\n      <AttributeRequest name=\"sAMAccountName\" op=\"Set\" value=\"c-BrI12\"/>\n      <AttributeRequest name=\"password\" op=\"Set\"/>\n      <AttributeRequest name=\"givenName\" op=\"Set\" value=\"Breaton01\"/>\n      <AttributeRequest name=\"sn\" op=\"Set\" value=\"IMaster01\"/>\n      <AttributeRequest name=\"employeeType\" op=\"Set\" value=\"Contractor\"/>\n      <AttributeRequest name=\"mail\" op=\"Add\" value=\"[test@gmail.com\](mailto:test@gmail.com\)"/>\n      <ProvisioningResult status=\"committed\"/>\n    <\/AccountRequest>\n    <Attributes>\n      <Map>\n        <entry key=\"flow\" value=\"Lifecycle\"/>\n        <entry key=\"identityRequestId\" value=\"0000000400\"/>\n        <entry key=\"launcher\" value=\"spadmin\"/>\n        <entry key=\"requestType\" value=\"JOINER FEATURE\"/>\n        <entry key=\"requester\" value=\"spadmin\"/>\n        <entry key=\"source\" value=\"LCM\"/>\n      <\/Map>\n    <\/Attributes>\n    <Requesters>\n      <Reference class=\"sailpoint.object.Identity\" id=\"ac10c85f6b7812b4816b78ed611f00e4\" name=\"spadmin\"/>\n    <\/Requesters>\n  <\/ProvisioningPlan>\n<\/ProvisioningProject>\n",           "key": "project"        },              {           "value": "0000000400",           "key": "identityRequestId"        },              {           "value": "ac10c85f6d4b13f3816d5efc93f90df7",           "key": "workflowCaseId"        },              {           "value": "0",           "key": "retries"        },              {           "value": "c-BrI12",           "key": "AD-LoginID"        },              {           "value": "<WorkflowSummary step=\"Stop\"/>\n",           "key": "workflowSummary"        },              {           "value": "c10040",           "key": "iiqUid"        }     ],     "id": "ac10c85f6d4b13f3816d5efc93f80df6",    "completionStatus": "Success",     "taskDefinition": "Workflow Launcher",     "terminated": false,     "launcher": "spadmin"  } |

# Contractor Modification

**URL:** <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Request Type:** Post

**Headers:**

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body:**

|  |
| --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": "SMWE - Contractor Creation Workflow",      "input": [                    {          "key": "loginid",          "value": " c-BrI12"        },                    {          "key": "jobtitle",          "value": "title-test-contractor"        },                    {          "key": "department",          "value": "dept-test-contractor"        },                    {          "key": "location",          "value": "new-location"        },                    {          "key": "lastname",          "value": "new-lastname"        }      ]    }  } |

**Required Attribute:** loginid, workflowName.

# Access Request

**URL:** <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Request Type:** Post

**Headers:**

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body:**

|  |  |
| --- | --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": "SMWE – SCIM Access Request",      "input": [                    {          "key": "loginid",          "value": " c-BrI12"        },                    {          "key": "addEntitlementIdCsvList",          "value": "ent1,ent2,ent3"        },                    {          "key": "removeEntitlementIdCsvList",          "value": " ent4,ent5"      ]    }  } |  |

# Fetch All Entitlements of an Application

**URL:** <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Request Type:** Post

**Headers:**

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body:**

|  |  |
| --- | --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": "SMWE - SCIM - Get All EntitlementIDs",      "input": [                    {          "key": "applicationName",          "value": " Vinelines"        }      ]    }  } |  |

**Response**

To-Do

# Fetching Entitlements of a User

**URL:** <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Request Type:** Post

**Headers:**

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body:**

|  |  |
| --- | --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": "SMWE - SCIM - Get All EntitlementIDs",      "input": [                    {          "key": "userid",          "value": " PRR01"        }      ]    }  } |  |

**Response**

To-Do

# Provisioning License to a user

**URL:** <http://HostName:Port/identityiq/scim/v2/LaunchedWorkflows>

**Request Type:** Post

**Headers:**

|  |  |
| --- | --- |
| Key | Value |
| Content-type | Application/json |
| Authorization | Basic <Base64EncodedValue> |

**JSON Body:**

|  |  |
| --- | --- |
| {    "grant\_type":"client\_credentials",    "schemas": [      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",      "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"    ],    "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {      "workflowName": " SMWE - Provision License Workflow ",      "input": [                    {          "key": "userid",          "value": "PRR01"        },            {          "key": " emailDomain ",          "value": "columbia-crestdev.com"        },            {          "key": "packName ",          "value": "ENTERPRISEPREMIUM"        }      ]    }  } |  |

## Response

**JSON Response**

|  |
| --- |
| {      "partitioned": false,      "completed": "2019-09-30T03:45:41.515-07:00",      "type": "Workflow",      "launched": "2019-09-30T03:45:20.079-07:00",      "pendingSignoffs": 0,      "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {          "output": [              {                  "type": "application/xml",                  "value": "<WorkflowSummary step=\"end\"/>\n",                  "key": "workflowSummary"              }          ],          "input": [              {}          ],          "workflowSummary": "<WorkflowSummary step=\"end\"/>\n",          "workflowName": "SMWE - Provision License Workflow - 102"      },      "meta": {          "created": "2019-09-30T03:45:41.515-07:00",          "location": "<http://172.16.200.94:8080/identityiq/scim/v2/TaskResults/ac10c85e6d3e1ce2816d81c6a20b0c5d>",          "version": "W/\"1569840341515\"",          "resourceType": "LaunchedWorkflow"      },      "schemas": [          "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",          "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"      ],      "name": "SMWE - Provision License Workflow - 102",      "messages": [],      "attributes": [          {              "value": "<WorkflowSummary step=\"end\"/>\n",              "key": "workflowSummary"          }      ],      "id": "ac10c85e6d3e1ce2816d81c6a20b0c5d",      "completionStatus": "Success",      "taskDefinition": "Workflow Launcher",      "terminated": false,      "launcher": "spadmin"  } |

{   "grant\_type":"client\_credentials",   "schemas": [     "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow",     "urn:ietf:params:scim:schemas:sailpoint:1.0:TaskResult"   ],   "urn:ietf:params:scim:schemas:sailpoint:1.0:LaunchedWorkflow": {     "workflowName": "SMWE - Provision License Workflow",     "input": [                   {         "key": "loginid",         "value": "C-SAC05"       },        {         "key": "emailDomain",         "value": "smwedev.com"       },{         "key": "packName",         "value": "e1"       },{         "key": "sysid",         "value": ""       }     ]   } }

​

[Yesterday 9:38 PM] Rehaman, Muzibur

thanks