SCIM System examples

Operations

This page shows the operations that can be performed for the Systems object (Agents).

List all

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/System
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 16,
   "startIndex": 1,
   "Resources": [
      {
         "accessControl": false,
         "usersDomain": "DEFAULT",
         "fullReconciliation": false,
         "authoritative": false,
         "description": "Soffid system",
         "groups": "",
         "threads": 1,
         "className": "- no class -",
         "userTypes": "I",
         "groupsList": [],
         "readOnly": false,
         "passwordsDomain": "DEFAULT",
```

```
    "timeStamp": "2020-04-18 19:32:37",
    "rolebased": true,
    "trusted": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/44",
        "resourceType": "System"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.System"
    ],
    "name": "soffid",
    "id": 44,
    "passwordsDomainId": 27,
    "tenant": "master",
    "generateTasksOnLoad": true
},
{
    "accessControl": false,
    "usersDomain": "DEFAULT",
    "fullReconciliation": false,
    "authoritative": false,
    "description": "External SSO accounts",
    "groups": "admingroup,enterprise",
    "threads": 1,
    "className": "com.soffid.iam.sync.sso.agent.SSOAgent",
    "userTypes": "S,I",
    "groupsList": [
        "admingroup",
        "enterprise"
    ],
    "readOnly": false,
    "url": "local",
    "passwordsDomain": "DEFAULT",
    "timeStamp": "2020-09-21 10:17:38",
    "rolebased": false,
    "trusted": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/47",
        "resourceType": "System"
```

```
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.System"
        ],
        "name": "SSO",
        "id": 47,
        "manualAccountCreation": true,
        "passwordsDomainId": 27,
        "tenant": "master",
        "generateTasksOnLoad": true
      },
     ..............
   ]
}
```


List by filter

List all Systems with a filter expression.

> It is allowed to use pagination and sort the information, for more information visit the Sorting and Pagination information.

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/System?filter=description co 10.129.
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "accessControl": false,
         "description": "Discovered host 10.129.122.22",
```

```
    "className": "com.soffid.iam.sync.agent.SimpleSSHAgent",
    "userTypes": "",
    "passwordsDomain": "DEFAULT",
    "rolebased": false,
    "id": 1885153,
    "manualAccountCreation": true,
    "tenant": "master",
    "generateTasksOnLoad": false,
    "param7": "false",
    "usersDomain": "DEFAULT",
    "param6": "UTF-8",
    "fullReconciliation": true,
    "authoritative": false,
    "sharedDispatcher": true,
    "param0": "soffid",
    "groups": "",
    "threads": 1,
    "groupsList": [],
    "readOnly": false,
    "param3": "10.129.122.22",
    "param4": "true",
    "url": "local",
    "param2": "517y1hF40k4=",
    "timeStamp": "2021-04-23 12:23:15",
    "trusted": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/1885153",
        "resourceType": "System"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.System"
    ],
    "name": "10.129.122.22",
    "passwordsDomainId": 27
},
{
    "accessControl": false,
    "description": "Discovered host 10.129.122.25",
    "className": "com.soffid.iam.sync.agent.SimpleWindowsAgent",
```

```
        "userTypes": "",
        "passwordsDomain": "DEFAULT",
        "rolebased": false,
        "id": 1890334,
        "manualAccountCreation": true,
        "tenant": "master",
        "generateTasksOnLoad": false,
        "param7": "false",
        "usersDomain": "DEFAULT",
        "fullReconciliation": true,
        "authoritative": false,
        "sharedDispatcher": true,
        "param0": "Administrador",
        "groups": "",
        "threads": 1,
        "groupsList": [],
        "readOnly": false,
        "param3": "10.129.122.25",
        "param4": "true",
        "url": "local",
        "param2": "VFJV1pSRfE7s",
        "timeStamp": "2021-04-23 20:00:34",
        "trusted": false,
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/1890334",
          "resourceType": "System"
        },
        "schemas": [
          "urn:soffid:com.soffid.iam.iga.api.System"
        ],
        "name": "10.129.122.25",
        "passwordsDomainId": 27
      }
    ]
}
```


Query by id

Query a System by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/System/389082
```

Response 200 OK


```
{
   "accessControl": true,
   "description": "Active Directory.",
   "className": "com.soffid.iam.sync.agent2.CustomizableActiveDirectoryAgent",
   "userTypes": "I",
   "passwordsDomain": "DEFAULT",
   "rolebased": true,
   "id": 389082,
   "manualAccountCreation": false,
   "tenant": "master",
   "generateTasksOnLoad": true,
   "param7": "true",
   "param8": "true",
   "usersDomain": "DEFAULT",
   "fullReconciliation": false,
   "authoritative": true,
   "sharedDispatcher": false,
   "param0": "ad.bubu.lab",
   "groups": "",
   "threads": 1,
   "groupsList": [],
   "readOnly": false,
   "param3": "C27Nv4vjbIsl",
   "url": "https://soffid.bubu.lab:1760/",
   "param1": "dc=ad,dc=bubu,dc=lab",
   "param2": "ad\\Administrator",
   "timeStamp": "2021-04-07 09:31:59",
   "trusted": true,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/389082",
      "resourceType": "System"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.System"
```

```
    ],
    "name": "ad",
    "passwordsDomainId": 27
}
```


Create

Request

```
POST https://<your-domain>/soffid/webservice/scim2/v1/System
```

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.System"
    ],
    "name": "SQLRRHH",
    "description": "SQL RRHH test",
    "className": "com.soffid.iam.sync.agent.SQLAgent2",
    "userTypes": "E,I",
    "passwordsDomain": "DEFAULT",
    "usersDomain": "DEFAULT"
}
```


Response 201 Created


```
{
    "accessControl": false,
    "usersDomain": "DEFAULT",
    "fullReconciliation": false,
    "authoritative": false,
    "description": "SQL RRHH test",
    "groups": "",
    "threads": 1,
    "className": "com.soffid.iam.sync.agent.SQLAgent2",
    "userTypes": "I,E",
    "groupsList": [],
    "readOnly": false,
```

```
  "passwordsDomain": "DEFAULT",
  "timeStamp": "2021-05-12 10:58:35",
  "rolebased": false,
  "trusted": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/1977157",
    "resourceType": "System"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.System"
  ],
  "name": "SQLRRHH",
  "id": 1977157,
  "passwordsDomainId": 27,
  "tenant": "master",
  "generateTasksOnLoad": false
}
```


Update partial

Only attributes with changes will be updated, the other will maintain the same value.

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/System/1977157
```

JSON


```
{
  "Operations": [
    {
      "op": "replace",
      "path": "param0",
      "value": "user"
    },
    {
      "op": "replace",
      "path": "param1",
      "value": "password"
    },
```

```
    {
      "op": "replace",
      "path": "param2",
      "value": "jdbc:mysql://localhost/personal"
    }
  ]
}
```


Response 200 OK


```
{
  "accessControl": false,
  "description": "SQL RRHH test",
  "className": "com.soffid.iam.sync.agent.SQLAgent2",
  "userTypes": "I,E",
  "passwordsDomain": "DEFAULT",
  "rolebased": false,
  "id": 1977157,
  "tenant": "master",
  "generateTasksOnLoad": false,
  "usersDomain": "DEFAULT",
  "fullReconciliation": false,
  "authoritative": false,
  "param0": "user",
  "groups": "",
  "threads": 1,
  "groupsList": [],
  "readOnly": false,
  "param1": "password",
  "param2": "jdbc:mysql://localhost/personal",
  "timeStamp": "2021-05-12 10:59:44",
  "trusted": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/1977157",
    "resourceType": "System"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.System"
  ],
  "name": "SQLRRHH",
```

```
    "passwordsDomainId": 27
}
```


Update all

This operation replace all values in the System.

- Note that the attribute id is required to confirm that the resource "...System/<id>" is the same that the JSON System.
- Note that all the attributes not included in the request will be cleared in the System type and their data will be lost.
- Note that not all the attributes are updatable, for example, tag meta, avoid these tags.

  For more information visit Resource data model page

Request

```
PUT http://<your-domain>/soffid/webservice/scim2/v1/System/1977157
```

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.System"
    ],
    "id": 1977157,
    "name": "SQLRRHH",
    "description": "SQL RRHH test",
    "className": "com.soffid.iam.sync.agent.SQLAgent2",
    "userTypes": "E,I",
    "passwordsDomain": "DEFAULT",
    "usersDomain": "DEFAULT"
}
```


Response 200 OK


```
{
    "accessControl": false,
    "usersDomain": "DEFAULT",
    "fullReconciliation": false,
    "authoritative": false,
```

```
    "description": "SQL RRHH test",
    "groups": "",
    "threads": 1,
    "className": "com.soffid.iam.sync.agent.SQLAgent2",
    "userTypes": "I,E",
    "groupsList": [],
    "readOnly": false,
    "passwordsDomain": "DEFAULT",
    "timeStamp": "2021-05-12 11:02:49",
    "rolebased": false,
    "trusted": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/System/1977157",
        "resourceType": "System"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.System"
    ],
    "name": "SQLRRHH",
    "id": 1977157,
    "passwordsDomainId": 27,
    "tenant": "master",
    "generateTasksOnLoad": false
}
```


Delete

> Please note after this delete, the System has to be created again to use it in the next examples.

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/System/1977157
```

Response 204 No Content

```
204 No Content
```

Error response

> For more information about error response visit
>
> https://bookstack.soffid.com/link/116#bkmrk-error-response

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