SCIM full examples

- Previous steps
- SCIM User examples
- SCIM Group examples
- SCIM Account examples
- SCIM Application examples (InformationSystem)
- SCIM Role examples
- SCIM Group type examples
- SCIM User type examples
- SCIM UserGroup examples
- SCIM RoleAccount examples
- SCIM Host examples
- SCIM MailDomain examples
- SCIM MailList examples
- SCIM Network examples
- SCIM DomainValue examples
- SCIM VaultFolder examples
- SCIM System examples
- SCIM CustomObject examples
- SCIM ProcessDefinition examples
- SCIM ProcessInstance examples
- SCIM TaskInstance examples
- SCIM Issue examples

Previous steps

Please note that the SCIM REST Web Service Add-on installed must be installed, please check this part in How to use SCIM in Soffid # Installation

Please note that a user with the authentication is required, please check this part in How to use SCIM in Soffid # Confirm authorization

Please note that is recommended to use a REST client, please see our example in Testing tool # RESTer

Please note that the correct header parameters must be used, please browse them in SCIM in Soffid # HTTP request

SCIM User examples

Operations

This page shows the operations that can be performed for the user object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 64,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Pig",
         "profileServer": "null",
         "createdByUser": "hrms",
         "fullName": "Dad Pig",
         "active": true,
         "userName": "1",
         "mailAlias": "",
         "mailServer": "null",
         "firstName": "Dad",
         "createdDate": "2021-02-16 13:38:26",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1477909",
```

```
            "links": {
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'1'+and+enabled+eq+
true",
                "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'1'+and+disabled+eq+false",
                "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'1'"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "admin",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2021-05-04 09:24:54",
         "attributes": {},
         "id": 1477909,
         "userType": "I",
         "homeServer": "null",
         "primaryGroupDescription": "World Original",
         "primaryGroup": "world"
      },
      {
         "lastName": "SUZY",
         "profileServer": "null",
         "createdByUser": "hrms",
         "fullName": "Suzy SUZY",
         "active": true,
         "userName": "10",
         "mailAlias": "",
         "mailServer": "null",
         "firstName": "Suzy",
         "createdDate": "2021-02-16 13:38:27",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1477931",
            "links": {
```

```
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'10'+and+enabled+eq
+true",
                "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'10'+and+disabled+eq+false"
,
                "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'10'"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "admin",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2021-05-05 14:11:37",
        "attributes": {},
        "id": 1477931,
        "userType": "I",
        "homeServer": "null",
        "primaryGroupDescription": "World Original",
        "primaryGroup": "world"
    },
    {
        "lastName": "Rabbit",
        "profileServer": "null",
        "createdByUser": "hrms",
        "fullName": "Ricchard Rabbit",
        "active": true,
        "userName": "11",
        "mailAlias": "",
        "mailServer": "null",
        "firstName": "Ricchard",
        "createdDate": "2021-02-16 13:38:27",
        "multiSession": false,
        "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1477953",
            "links": {
```

```
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'11'+and+enabled+eq
+true",
                "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'11'+and+disabled+eq+false"
,
                "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'11'"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "admin",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2021-02-17 19:06:20",
        "attributes": {},
        "id": 1477953,
        "userType": "I",
        "homeServer": "null",
        "primaryGroupDescription": "World Original",
        "primaryGroup": "world"
    },
    .......
  ]
}
```


List by filter

List all users 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/User?filter=lastName co
ada&sortOrder=descending&sortBy=userName
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 13,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "ADAMS",
         "comments": "Changed",
         "profileServer": "null",
         "createdByUser": "soffid.bubu.lab",
         "fullName": "Wally ADAMS",
         "active": true,
         "userName": "wally",
         "mailAlias": "",
         "mailServer": "null",
         "firstName": "Wally",
         "createdDate": "2020-12-11 11:23:58",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1002599",
            "links": {
               "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'wally'+and+enabled+
eq+true",
               "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'wally'+and+disabled+eq+fal
se",
               "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'wally'"
            },
            "resourceType": "User"
```

```
        },
        "modifiedByUser": "admin",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2021-04-22 19:31:01",
        "attributes": {
            "RegisterServiceProvider": "anonymous",
            "manager": "admin",
            "PHONE": "2",
            "EMAIL": "wally5@test.com",
        },
        "id": 1002599,
        "userType": "I",
        "homeServer": "null",
        "primaryGroupDescription": "Enterprise",
        "primaryGroup": "enterprise"
    },
    {
        "lastName": "ADAMS",
        "comments": "Changed",
        "profileServer": "null",
        "createdByUser": "soffid.bubu.lab",
        "fullName": "Tina ADAMS",
        "active": true,
        "userName": "tina",
        "mailAlias": "",
        "mailServer": "null",
        "firstName": "Tina",
        "createdDate": "2020-12-11 12:22:07",
        "multiSession": false,
        "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1004678",
            "links": {
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'tina'+and+enabled+eq+true",
                "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'tina'+and+disabled+eq+fals
```

e",
"accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'tina'"
},
"resourceType": "User"
},
"modifiedByUser": "admin",
"schemas": [
"urn:soffid:com.soffid.iam.api.User"
],
"modifiedDate": "2021-04-22 19:11:17",
"attributes": {
"RegisterServiceProvider": "anonymous",
"manager": "admin",
"PHONE": "1",
"EMAIL": "tina11@test.com",
},
"id": 1004678,
"userType": "I",
"homeServer": "null",
"primaryGroupDescription": "Enterprise",
"primaryGroup": "enterprise"
},
{
"lastName": "ADAMS",
"comments": "Changed",
"profileServer": "null",
"createdByUser": "soffid.bubu.lab",
"fullName": "Teodoro ADAMS",
"active": true,
"userName": "ted",
"mailAlias": "",
"mailServer": "null",
"firstName": "Teodoro",
"createdDate": "2020-12-11 09:18:42",
"multiSession": false,
"meta": {
"location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1000190",

```
            "links": {
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'ted'+and+enabled+eq
+true",
                "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'ted'+and+disabled+eq+false
",
                "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'ted'"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "admin",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2021-02-04 15:44:42",
        "attributes": {
            "RegisterServiceProvider": "anonymous",
            "manager": "admin",
            "EMAIL": "test3@gmail.com",
        },
        "id": 1000190,
        "userType": "I",
        "homeServer": "null",
        "primaryGroupDescription": "Enterprise",
        "primaryGroup": "enterprise"
    },
    .........
  ]
}
```


Query by id

Query a user by its id (primary key).

Request

GET https://<your-domain>/soffid/webservice/scim2/v1/User/1057751

Response 200 OK


```
{
   "lastName": "Smith",
   "comments": "Changed",
   "createdByUser": "soffid.bubu.lab",
   "fullName": "John Smith",
   "active": true,
   "userName": "jsmith",
   "mailAlias": "",
   "firstName": "John",
   "createdDate": "2020-12-14 17:52:14",
   "multiSession": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1057751",
      "links": {
         "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'jsmith'+and+enabled+
eq+true",
         "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'jsmith'+and+disabled+eq+fa
lse",
         "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'jsmith'"
      },
      "resourceType": "User"
   },
   "modifiedByUser": "admin",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.User"
   ],
   "modifiedDate": "2021-05-07 12:32:41",
   "attributes": {
      "RegisterServiceProvider": "anonymous",
      "manager": "admin",
      "EMAIL": "jsmith@test.com",
```

```
    "birthDate": "1970-05-26 00:00:00",
    "ActivationKey": "HPhl61lBlJ9fgcDtWyug0O15"
  },
  "id": 1057751,
  "userType": "I",
  "primaryGroupDescription": "Help desk support team",
  "primaryGroup": "it"
}
```


Create

Request

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

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.base.api.User"
  ],
  "userName": "ckelp",
  "firstName": "Cas",
  "lastName": "Kelp",
  "userType": "I",
  "primaryGroup": "world",
  "active": true
}
```


Response 201 Created


```
{
  "lastName": "Kelp",
  "profileServer": "null",
  "createdByUser": "admin",
  "fullName": "Cas Kelp",
  "active": true,
  "userName": "ckelp",
  "mailAlias": "",
```

```
    "mailServer": "null",
    "firstName": "Cas",
    "createdDate": "2021-05-11 09:06:49",
    "multiSession": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User/1976665",
        "resourceType": "User"
    },
    "modifiedByUser": "admin",
    "schemas": [
        "urn:soffid:com.soffid.iam.api.User"
    ],
    "modifiedDate": "2021-05-11 09:06:49",
    "attributes": {},
    "id": 1976665,
    "userType": "I",
    "homeServer": "null",
    "primaryGroupDescription": "World Original",
    "primaryGroup": "world"
}
```


Update partial

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

> If you want to add users to a group, please visit SCIM GroupUser examples page

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/User/1976665
```

JSON


```
{
    "Operations": [
        {
            "op": "replace",
            "path": "lastName",
            "value": "Casey"
```

```
      },
      {
         "op": "replace",
         "path": "middleName",
         "value": "XX"
      }
   ]
}
```


Response 200 OK


```
{
   "lastName": "Casey",
   "profileServer": "null",
   "createdByUser": "admin",
   "fullName": "Casey Casey XX",
   "active": true,
   "userName": "ckelp",
   "mailAlias": "",
   "mailServer": "null",
   "firstName": "Casey",
   "createdDate": "2021-05-11 09:06:49",
   "multiSession": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User/1976665",
      "links": {
         "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'ckelp'+and+enabled+
eq+true",
         "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'ckelp'+and+disabled+eq+fal
se",
         "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'ckelp'"
      },
      "resourceType": "User"
   },
   "modifiedByUser": "admin",
   "schemas": [
```

```
        "urn:soffid:com.soffid.iam.api.User"
    ],
    "modifiedDate": "2021-05-11 09:33:35",
    "middleName": "XX",
    "attributes": {},
    "id": 1976665,
    "userType": "I",
    "homeServer": "null",
    "primaryGroupDescription": "World Original",
    "primaryGroup": "world"
}
```

Password change

Password change request. Multiple domains can be specified adding new objects inside the first "value" key. In this example we update the password on a user so that the user doesn't have to change the password on the first logon ("passwordExpired" is false).

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/User/568327
```

Body (JSON)

```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.base.api.User"
    ],
    "Operations": [
        {
            "op": "replace",
            "path": "password",
            "value": [
                {"domain": "DEFAULT",
                "value": "NewPass1234",
                "passwordExpired": false}
    □□□]
        }
    ]
}
```

Response 200 OK


```
{
   "lastName": "Peaky",
   "createdByUser": "admin",
   "fullName": "Familiar Peaky Primer",
   "active": true,
   "userName": "familiar1",
   "mailAlias": "",
   "firstName": "Familiar",
   "emailAddress": "familiar1@soffid.com",
   "mailDomain": "soffid.com",
   "createdDate": "2023-07-05 00:00:00",
   "multiSession": false,
   "meta": {
      "location": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/User/568327",
      "links": {
         "roleAccounts": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'familiar1'+and+enabled+eq+true",
         "groupUsers": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'familiar1'+and+disabled+eq+false",
         "accounts": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'familiar1'",
         "issues": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'familiar1'",
         "effectiveGrants": "http://pr-as-am19-dev-soffid-console-ms-ns-as-am19-dev-back.apps.aroas.westeurope.aroapp.io/soffid/webservice/scim2/v1/User/568327/effectiveGrants"
      },
      "resourceType": "User"
   },
   "modifiedByUser": "queries",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.User"
   ],
   "modifiedDate": "2024-05-15 09:46:28.714",
```

```
  "middleName": "Primer",
  "attributes": {
    "gepipId": "645cb2ed99e63065c76b51de",
    "RecoverKey":
"unEVPLWQ2KLdocjmpGs2vO4uO6jL8m2VMChIypJCTUmMV867l1ZgEr5sAJBw5koJ0uOYOM3iCRC4568327",
    "email": "familiar1@soffid.com"
  },
  "id": 568327,
  "userType": "E",
  "shortName": "familiar1",
  "primaryGroupDescription": "World",
  "primaryGroup": "world"
}
```


Update all

This operation replaces all values in the user.

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

  For more information see Resource data model page

Request

```
PUT https://<your-domain>/soffid/webservice/scim2/v1/User/1976590
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.base.api.User"
  ],
  "id": 1976665,
  "userName": "ckelp",
  "firstName": "Casey",
  "lastName": "Kelp",
  "userType": "I",
```

```
    "primaryGroup": "world",
    "homeServer": "null",
    "mailServer": "null",
    "profileServer": "null",
    "active": true
}
```


Response 200 OK


```
{
    "lastName": "Kelp",
    "profileServer": "null",
    "createdByUser": "admin",
    "fullName": "Casey Kelp",
    "active": true,
    "userName": "ckelp",
    "mailAlias": "",
    "mailServer": "null",
    "firstName": "Casey",
    "createdDate": "2021-05-11 09:06:49",
    "multiSession": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/User/1976665",
        "links": {
            "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'ckelp'+and+enabled+
eq+true",
            "groupUsers":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'ckelp'+and+disabled+eq+fal
se",
            "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'ckelp'"
        },
        "resourceType": "User"
    },
    "modifiedByUser": "admin",
    "schemas": [
        "urn:soffid:com.soffid.iam.api.User"
    ],
```

```
    "modifiedDate": "2021-05-11 09:35:24",
    "attributes": {},
    "id": 1976665,
    "userType": "I",
    "homeServer": "null",
    "primaryGroupDescription": "World Original",
    "primaryGroup": "world"
}
```


Delete

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

Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/User/1976665
```

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

SCIM Group examples

Operations

This page shows the operations that can be performed for the group object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 7,
   "startIndex": 1,
   "Resources": [
      {
         "organizational": false,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
            "links": {
               "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
secondaryGroup.group.name+eq+'world'",
               "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
            },
            "resourceType": "Group"
         },
         "quota": "0",
```

```
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Group"
        ],
        "name": "world",
        "obsolete": false,
        "description": "World Original",
        "attributes": {},
        "id": 83
    },
    {
        "organizational": false,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/87",
            "links": {
                "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'enterprise'+or
secondaryGroup.group.name+eq+'enterprise'",
                "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'enterprise'"
            },
            "resourceType": "Group"
        },
        "quota": "0",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Group"
        ],
        "name": "enterprise",
        "obsolete": false,
        "description": "Enterprise",
        "parentGroup": "world",
        "attributes": {},
        "id": 87
    },
   ......
  ]
}
```


List by filter

List all groups 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/Group?filter=name co world
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "organizational": false,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
            "links": {
               "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
secondaryGroup.group.name+eq+'world'",
               "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
            },
            "resourceType": "Group"
         },
         "quota": "0",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.Group"
         ],
         "name": "world",
         "obsolete": false,
```

```
      "description": "World Original",
      "attributes": {},
      "id": 83
    },
    {
      "organizational": false,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/485118",
        "links": {
          "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world2'+or
secondaryGroup.group.name+eq+'world2'",
          "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world2'"
        },
        "resourceType": "Group"
      },
      "quota": "0",
      "schemas": [
        "urn:soffid:com.soffid.iam.api.Group"
      ],
      "name": "world2",
      "obsolete": false,
      "description": "World Modified",
      "attributes": {},
      "id": 485118
    }
  ]
}
```


Query by id

Retrieve a group by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Group/83
```

Response 200 OK

```
{
   "organizational": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
      "links": {
         "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
secondaryGroup.group.name+eq+'world'",
         "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
      },
      "resourceType": "Group"
   },
   "quota": "0",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
   ],
   "name": "world",
   "obsolete": false,
   "description": "World Original",
   "attributes": {},
   "id": 83
}
```


Create

Request

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

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.Group"
   ],
   "name": "EngineeringTeam",
   "description": "Enterprise engineering team",
   "parentGroup": "world"
```

```
}
```

Response 201 Created

```
{
   "organizational": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
      "resourceType": "Group"
   },
   "quota": "0",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
   ],
   "name": "EngineeringTeam",
   "obsolete": false,
   "description": "Enterprise engineering team",
   "parentGroup": "world",
   "attributes": {},
   "id": 1976559
}
```

Update partial

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

> If you want to add users to a group, please visit SCIM GroupUser examples page

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/Group/1976559
```

JSON

```
{
   "Operations": [
      {
         "op": "replace",
         "path": "description",
```

```
        "value": "Enterprise Engineering Group"
      },
      {
        "op": "replace",
        "path": "type",
        "value": "CC"
      }
   ]
}
```


Response 200 OK


```
{
   "organizational": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
      "links": {
         "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'EngineeringTeam'+or
secondaryGroup.group.name+eq+'EngineeringTeam'",
         "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'EngineeringTeam'"
      },
      "resourceType": "Group"
   },
   "quota": "0",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
   ],
   "name": "EngineeringTeam",
   "obsolete": false,
   "description": "Enterprise Engineering Group",
   "parentGroup": "world",
   "attributes": {},
   "id": 1976559,
   "type": "CC"
}
```


Update all

This operation replaces all values in the group.

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

  For more information see Resource data model page.

Request

```
PUT http://<your-domain>/soffid/webservice/scim2/v1/Group/1976559
```

JSON

```
{
   "schemas": [
     "urn:soffid:com.soffid.iam.iga.api.Group"
   ],
   "id": 1976559,
   "name": "EngineeringTeam",
   "description": "Enterprise engineering team",
   "parentGroup": "world"
}
```

Response 200 OK

```
{
   "organizational": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
      "links": {
         "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'EngineeringTeam'+or
secondaryGroup.group.name+eq+'EngineeringTeam'",
         "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'EngineeringTeam'"
      },
      "resourceType": "Group"
   },
   "quota": "0",
```

```
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Group"
    ],
    "name": "EngineeringTeam",
    "obsolete": false,
    "description": "Enterprise engineering team",
    "parentGroup": "world",
    "attributes": {},
    "id": 1976559
}
```


Delete

> Please note that after this delete action, you will need to create again the group to use it in the next examples.

Request

```
DELETE https://<your-domain>/soffid/webservice/scim2/v1/Group/1976559
```

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

SCIM Account examples

Operations

This page shows the operations that can be performed for the account object

List all

List all accounts, disabled or not.

Request

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

Response 200 OK

For example, after the Soffid installation, these are the available account.


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "lastLogin": "2021-05-10 13:00:40",
         "grantedRoles": [],
         "description": "Soffid Administrator",
         "type": "U",
         "ownerGroups": [],
         "oldName": "admin",
         "loginName": "admin",
         "inheritNewPermissions": false,
         "disabled": false,
```

```
        "id": 103,
        "managerGroups": [],
        "grantedGroups": [],
        "lastPasswordSet": "2021-05-05 11:32:14",
        "passwordExpiration": "2022-05-05 00:00:00",
        "passwordPolicy": "I",
        "accessLevel": "O",
        "managerRoles": [],
        "created": "2020-02-13 23:01:44",
        "system": "soffid",
        "ownerRoles": [],
        "meta": {
            "location": "http://<your-domain>/webservice/scim2/v1/Account/103",
            "links": {
                "roleAccounts": "http://<your-
domain>/webservice/scim2/v1/RoleAccount?filter=account.id+eq+103+and+enabled+eq+true",
                "users": "http://<your-
domain>/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+103+or+accounts.account.id+eq+10
3"
            },
            "resourceType": "Account"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Account"
        ],
        "name": "admin",
        "managerUsers": [],
        "attributes": {},
        "status": "a",
        "ownerUsers": [
            "admin"
        ],
        "grantedUsers": []
    }
  ]
}
```


List by filter

List all accounts 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/Account?filter=name co "adm" and passwordPolicy  pr
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 3,
   "startIndex": 1,
   "Resources": [
      {
         "lastLogin": "2021-05-10 13:05:15",
         "grantedRoles": [],
         "description": "Soffid Administrator",
         "type": "U",
         "ownerGroups": [],
         "oldName": "admin2",
         "loginName": "admin",
         "inheritNewPermissions": false,
         "disabled": false,
         "id": 103,
         "managerGroups": [],
         "grantedGroups": [],
         "lastPasswordSet": "2021-05-05 11:32:14",
         "passwordExpiration": "2022-05-05 00:00:00",
         "passwordPolicy": "I",
         "accessLevel": "O",
         "managerRoles": [],
         "created": "2020-02-13 23:01:44",
```

```
        "system": "soffid",
        "ownerRoles": [],
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/103",
            "links": {
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+103+and+enabled+eq
+true",
                "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+103+or+accou
nts.account.id+eq+103"
            },
            "resourceType": "Account"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Account"
        ],
        "name": "admin",
        "managerUsers": [],
        "attributes": {},
        "status": "a",
        "ownerUsers": [
            "admin"
        ],
        "grantedUsers": []
    },
    {
        "passwordPolicy": "I",
        "grantedRoles": [],
        "accessLevel": "O",
        "managerRoles": [],
        "created": "2021-03-04 22:37:21",
        "description": "Soffid test account",
        "type": "I",
        "system": "soffid",
        "ownerGroups": [],
        "ownerRoles": [],
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1587766",
```

```
            "links": {
                "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+1587766+and+enable
d+eq+true",
                "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1587766+or+a
ccounts.account.id+eq+1587766"
            },
            "resourceType": "Account"
        },
        "loginName": "admintest",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Account"
        ],
        "name": "admintest",
        "inheritNewPermissions": false,
        "managerUsers": [
            "dilbert",
            "dogbert"
        ],
        "disabled": false,
        "attributes": {},
        "id": 1587766,
        "managerGroups": [],
        "grantedGroups": [],
        "status": "a",
        "ownerUsers": [
            "admin"
        ],
        "grantedUsers": []
    },
    {
        "passwordPolicy": "I",
        "grantedRoles": [],
        "accessLevel": "O",
        "managerRoles": [],
        "created": "2021-03-04 22:44:06",
        "description": "Soffid test account 2",
        "type": "I",
```

```
            "system": "soffid",
            "ownerGroups": [],
            "ownerRoles": [],
            "meta": {
                "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1587776",
                "links": {
                    "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+1587776+and+enable
d+eq+true",
                    "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1587776+or+a
ccounts.account.id+eq+1587776"
                },
                "resourceType": "Account"
            },
            "loginName": "admintest2",
            "schemas": [
                "urn:soffid:com.soffid.iam.api.Account"
            ],
            "name": "admintest2",
            "inheritNewPermissions": false,
            "managerUsers": [
                "dilbert",
                "dogbert"
            ],
            "disabled": false,
            "attributes": {},
            "id": 1587776,
            "managerGroups": [],
            "grantedGroups": [],
            "status": "a",
            "ownerUsers": [
                "admin"
            ],
            "grantedUsers": []
        }
    ]
}
```

Query by id

Query an account by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Account/1057754
```

Response 200 OK


```
{
   "passwordPolicy": "I",
   "grantedRoles": [],
   "accessLevel": "-",
   "managerRoles": [],
   "created": "2020-12-14 17:52:14",
   "description": "John Smith",
   "type": "U",
   "system": "idp",
   "ownerGroups": [],
   "ownerRoles": [],
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1057754",
      "links": {
         "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+1057754+and+enabled+eq+true",
         "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1057754+or+accounts.account.id+eq+1057754"
      },
      "resourceType": "Account"
   },
   "loginName": "jsmith",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Account"
   ],
   "name": "jsmith",
   "inheritNewPermissions": false,
```

```
    "managerUsers": [],
    "disabled": false,
    "attributes": {},
    "id": 1057754,
    "managerGroups": [],
    "grantedGroups": [],
    "status": "a",
    "ownerUsers": [
        "jsmith"
    ],
    "grantedUsers": []
}
```


Create

Request

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

JSON


```
{
    "schemas": ["urn:soffid:com.soffid.iam.base.api.Account"],
    "name": "Guest",
    "type": "I",
    "system": "soffid",
    "passwordPolicy": "I",
    "description": "Guest user",
    "inheritNewPermissions": false,
    "disabled": false
}
```


Response 201 Created


```
{
    "passwordPolicy": "I",
    "grantedRoles": [],
    "managerRoles": [],
    "description": "Guest user",
```

```
    "type": "I",
    "system": "soffid",
    "ownerGroups": [],
    "ownerRoles": [],
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1976454",
        "resourceType": "Account"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Account"
    ],
    "name": "Guest",
    "inheritNewPermissions": false,
    "managerUsers": [],
    "disabled": false,
    "attributes": {},
    "id": 1976454,
    "managerGroups": [],
    "grantedGroups": [],
    "ownerUsers": [],
    "grantedUsers": []
}
```


Update partial

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

Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/Account/15455
```

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.base.api.Account"
    ],
    "Operations": [
        {
            "op": "replace",
```

```
      "path": "description",
      "value": "Guest User"
    },
    {
      "op": "replace",
      "path": "ownerUsers",
      "value": [
        "admin"
      ]
    }
  ]
}
```


Response 200 OK


```
{
  "passwordPolicy": "I",
  "grantedRoles": [],
  "accessLevel": "-",
  "managerRoles": [],
  "created": "2021-05-10 13:08:05",
  "description": "Guest User",
  "type": "I",
  "system": "soffid",
  "ownerGroups": [],
  "ownerRoles": [],
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1976454",
    "links": {
      "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+1976454+and+enabled+eq+true",
      "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1976454+or+accounts.account.id+eq+1976454"
    },
    "resourceType": "Account"
  },
  "loginName": "Guest",
  "schemas": [
```

```
        "urn:soffid:com.soffid.iam.api.Account"
    ],
    "name": "Guest",
    "inheritNewPermissions": false,
    "managerUsers": [],
    "disabled": false,
    "attributes": {},
    "id": 1976454,
    "managerGroups": [],
    "grantedGroups": [],
    "status": "a",
    "ownerUsers": [
        "admin"
    ],
    "grantedUsers": []
}
```


Update partial (password update)

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/Account/15455
```

JSON

Option 1

```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.base.api.Account"
    ],
     "Operations": [
        {
            "op": "replace",
            "path": "password.value",
            "value": "123123"
        },
        {
            "op": "replace",
            "path": "password.expired",
```

```
        "value": false
      }
   ]
}
```

Option 2

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.base.api.Account"
   ],
    "Operations": [
      {
         "op": "replace",
         "path": "password",
         "value": {
            "value" : "123123",
            "expired" : false
            }
      }
   ]
}
```

Response 200 OK


```
{
   "lastLogin": "2023-06-29 14:30:29",
   "grantedRoles": [],
   "description": "Frankaaa Sinatra",
   "type": "U",
   "ownerGroups": [],
   "loginName": "frank",
   "inheritNewPermissions": false,
   "disabled": false,
   "id": 5366314,
   "managerGroups": [],
   "grantedGroups": [],
   "lastPasswordSet": "2023-06-29 14:30:37",
   "passwordExpiration": "2023-07-24 00:00:00",
   "passwordPolicy": "I",
```

```
    "accessLevel": "-",
    "managerRoles": [],
    "created": "2022-04-21 10:11:12",
    "hasSnapshot": false,
    "system": "soffid",
    "ownerRoles": [],
    "meta": {
        "location": "http://demolab.soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/5366314",
        "links": {
            "briefAudit":
"http://demolab.soffid.pat.lab:8080/soffid/webservice/scim2/v1/Audit?filter=searchIndex+eq+'ACC%235366314'
",
            "roleAccounts":
"http://demolab.soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+5366314+an
d+enabled+eq+true",
            "users":
"http://demolab.soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+5366
314+or+accounts.account.id+eq+5366314"
        },
        "resourceType": "Account"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Account"
    ],
    "name": "frank",
    "managerUsers": [],
    "lastChange": "2023-06-05 15:05:16",
    "attributes": {},
    "status": "a",
    "ownerUsers": [
        "frank"
    ],
    "grantedUsers": []
}
```


Update all

This operation replaces all values in the account. For example, we will update the description.

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

  For more information see Resource data model page

Request

```
PUT http://<your-domain>/soffid/webservice/scim2/v1/Account/1976454
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.base.api.Account"
   ],
   "id": 1976454,
   "name": "Guest",
   "type": "I",
   "system": "soffid",
   "passwordPolicy": "I",
   "description": "Guest Guest",
   "inheritNewPermissions": false,
   "disabled": false
}
```


Response 200 OK


```
{
   "passwordPolicy": "I",
   "grantedRoles": [],
   "managerRoles": [],
   "description": "Guest Guest",
   "type": "I",
   "system": "soffid",
   "ownerGroups": [],
   "ownerRoles": [],
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account/1976454",
      "links": {
```

```
        "roleAccounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=account.id+eq+1976454+and+enabled+eq+true",
        "users":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1976454+or+accounts.account.id+eq+1976454"
      },
      "resourceType": "Account"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Account"
   ],
   "name": "Guest",
   "inheritNewPermissions": false,
   "managerUsers": [],
   "disabled": false,
   "attributes": {},
   "id": 1976454,
   "managerGroups": [],
   "grantedGroups": [],
   "status": "a",
   "ownerUsers": [],
   "grantedUsers": []
}
```


Delete

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

Request

```
DELETE https://<your-domain>/soffid/webservice/scim2/v1/Account/1976454
```

Response 204 No Content

```
204 No Content
```

Note: use of roles with domain values

In case of granting roles with domain values, the optional attribute domain value contains the value for that domain. Here is a sample account with permissions for the role SOFFID_OU_DOMAIN and domains D2 and enterprise:


```
{
        "grantedRoles": [],
        "roles": [
           {
              "informationSystemName": "SOFFID",
              "roleName": "SOFFID_OU_MANAGER",
              "id": 2236442,
              "roleDescription": "Business unit manager",
              "domainValue": "D2"
           },
           {
              "informationSystemName": "SOFFID",
              "roleName": "SOFFID_OU_MANAGER",
              "id": 2236447,
              "roleDescription": "Business unit manager",
              "domainValue": "enterprise"
           }
        ],
        "description": "faith - faith MUYOYO",
        "type": {
           "value": "U"
        },
        "lastUpdated": "2019-07-16T10:35:01+02:00",
        "ownerGroups": [],
        "inheritNewPermissions": false,
        "disabled": false,
        "id": 1727122,
        "grantedGroups": [],
        "managerGroups": [],
        "passwordPolicy": "I",
        "managerRoles": [],
        "created": "2019-07-16T10:26:16+02:00",
        "system": "soffid",
```

```
    "ownerRoles": [],
    "meta": {
       "location": "http://bubu-thinkpad:8080/soffid/webservice/scim/Account/1727122",
       "resourceType": "Account"
    },
    "name": "faith",
    "managerUsers": [],
    "attributes": {},
    "grantedUsers": [],
    "ownerUsers": [
       {
          "lastName": "Smith",
          "createdByUser": "csv",
          "mailServer": "null",
          "nationalID": "",
          "multiSession": false,
          "modifiedByUser": "admin",
          "id": 1727113,
          "homeServer": "null",
          "primaryGroupDescription": "Entrprise",
          "primaryGroup": "enterprise",
          "comments": "Loaded from CSV file on Mon Aug 05 22:00:00 CEST 2019",
          "profileServer": "null",
          "active": true,
          "fullName": "faith MUYOYO",
          "userName": "faith",
          "mailAlias": "",
          "firstName": "faith",
          "createdDate": "2019-07-16T10:26:16+02:00",
          "phoneNumber": "",
          "modifiedDate": "2019-12-12T17:06:42+01:00",
          "userType": "I"
       }
    ]
}
```


Error response

> For more infomation about error response visithttps://bookstack.soffid.com/link/116#bkmrk-error-response

SCIM Application examples (InformationSystem)

Operations

This page shows the operations that can be performed for the application object (Information Systems from a functional point of view)

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "parent": "Operation/Business 2",
         "relativeName": "SOFFID",
         "database": "",
         "bpmEnabled": true,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/41",
            "links": {
               "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
```

```
2/SOFFID'",
                "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess 2/SOFFID'"
            },
            "resourceType": "Application"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Application"
        ],
        "name": "Operation/Business 2/SOFFID",
        "description": "SOFFID Identity Manager",
        "singleRole": false,
        "attributes": {},
        "id": 41,
        "type": "application"
    },
    {
        "parent": "Operation/Business process",
        "relativeName": "ad",
        "database": "ad",
        "bpmEnabled": true,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/391459",
            "links": {
                "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
process/ad'",
                "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess process/ad'"
            },
            "resourceType": "Application"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Application"
        ],
        "name": "Operation/Business process/ad",
        "description": "Active Directory",
```

```
        "singleRole": false,
        "attributes": {},
        "id": 391459,
        "type": "application"
      }
   ]
}
```


List by filter

List all application 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/Application?filter=description co SOFFID
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "parent": "Operation/Business 2",
         "relativeName": "SOFFID",
         "database": "",
         "bpmEnabled": true,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/41",
            "links": {
               "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
```

```
2/SOFFID'",
                "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess 2/SOFFID'"
            },
            "resourceType": "Application"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Application"
        ],
        "name": "Operation/Business 2/SOFFID",
        "description": "SOFFID Identity Manager",
        "singleRole": false,
        "attributes": {},
        "id": 41,
        "type": "application"
    },
    {
        "parent": "Operation/Business 2",
        "relativeName": "iam.soffid.com",
        "database": "iam.soffid.com",
        "bpmEnabled": false,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1836136",
            "links": {
                "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
2/iam.soffid.com'",
                "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess 2/iam.soffid.com'"
            },
            "resourceType": "Application"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Application"
        ],
        "name": "Operation/Business 2/iam.soffid.com",
        "description": "Discovered host iam.soffid.com",
```

```
        "singleRole": false,
        "attributes": {},
        "id": 1836136,
        "type": "application"
      }
   ]
}
```


Query by id

Retrieve an application by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Application/391459
```

Response 200 OK


```
{
   "parent": "Operation/Business process",
   "relativeName": "ad",
   "database": "ad",
   "bpmEnabled": true,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/391459",
      "links": {
         "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
process/ad'",
         "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess process/ad'"
      },
      "resourceType": "Application"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Application"
   ],
   "name": "Operation/Business process/ad",
```

```
    "description": "Active Directory",
    "singleRole": false,
    "attributes": {},
    "id": 391459,
    "type": "application"
}
```


Create

To create an application (Information System).

Request

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

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Application"
    ],
    "parent": "Operation/Business 2",
    "relativeName": "appBilling",
    "database": "",
    "bpmEnabled": false,
    "name": "Operation/Business 2/App Billing",
    "description": "Billing application",
    "singleRole": false,
    "attributes": {},
    "type": "application"
}
```


Response 201 Created


```
{
    "parent": "Operation/Business 2",
    "relativeName": "App Billing",
    "database": "",
    "bpmEnabled": false,
```

```
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
    "resourceType": "Application"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "name": "Operation/Business 2/App Billing",
  "description": "Billing application",
  "singleRole": false,
  "attributes": {},
  "id": 1976515,
  "type": "application"
}
```


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/Application/1976515
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "Operations": [
    {
      "op": "replace",
      "path": "parent",
      "value": "Operation/Business process"
    },
    {
      "op": "replace",
      "path": "name",
      "value": "Operation/Business process/App Billing"
    },
```

```
    {
      "op": "replace",
      "path": "database",
      "value": "DDBBBilling"
    }
  ]
}
```

Response 200 OK


```
{
  "parent": "Operation/Business process",
  "relativeName": "App Billing",
  "database": "DDBBBilling",
  "bpmEnabled": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
    "links": {
      "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business process/App Billing'",
      "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business process/App Billing'"
    },
    "resourceType": "Application"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "name": "Operation/Business process/App Billing",
  "description": "Billing application",
  "singleRole": false,
  "attributes": {},
  "id": 1976515,
  "type": "application"
}
```


Update all

This operation replaces all values in the application.

- Note that the attribute id is required to confirm that the resource "...Application/<id>" is the same that the JSON user.
- Note that all the attributes not included in the request will be cleared in the application 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 https://<your-domain>/soffid/webservice/scim2/v1/Application/1976515
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Application"
   ],
   "id": 1976515,
   "parent": "Operation/Business 2",
   "relativeName": "appBilling",
   "database": "",
   "bpmEnabled": false,
   "name": "Operation/Business 2/App Billing",
   "description": "Billing application",
   "singleRole": false,
   "attributes": {},
   "type": "application"
}
```


Response 200 OK


```
{
   "parent": "Operation/Business 2",
   "relativeName": "App Billing",
   "database": "",
   "bpmEnabled": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
      "links": {
```

```
        "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
2/App Billing'",
        "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess 2/App Billing'"
      },
      "resourceType": "Application"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Application"
   ],
   "name": "Operation/Business 2/App Billing",
   "description": "Billing application",
   "singleRole": false,
   "attributes": {},
   "id": 1976515,
   "type": "application"
}
```


Delete

> Please note that after this delete action, you will need to create again the application to use it in the next examples.

Request

```
DELETE https://<your-domain>/webservice/scim2/v1/Application/2236428
```

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

SCIM Role examples

Operations

This page shows the operations that can be performed for the role object

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "approvalEnd": "2021-02-26 13:19:36",
         "ownedRoles": [
            {
               "informationSystem": "Operation/Business process/ad",
               "ownerRole": 63,
               "ownerRoleDescription": "SOFFID Administrator",
               "roleId": 393195,
               "mandatory": true,
               "enabled": true,
               "ownerSystem": "soffid",
               "system": "ad",
               "meta": {
                  "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/RoleGrant/1563461",
```

```
        "resourceType": "RoleGrant"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.RoleGrant"
    ],
    "roleName": "AD role",
    "hasDomain": false,
    "id": 1563461,
    "ownerRoleName": "SOFFID_ADMIN",
    "roleDescription": "AD role",
    "status": "A"
},
{
    "informationSystem": "Operation/Business 2/SOFFID",
    "ownerRole": 63,
    "ownerRoleDescription": "SOFFID Administrator",
    "roleId": 393447,
    "mandatory": true,
    "enabled": true,
    "ownerSystem": "soffid",
    "system": "ad",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/501188",
        "resourceType": "RoleGrant"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.RoleGrant"
    ],
    "roleName": "accounting_mgr",
    "hasDomain": false,
    "id": 501188,
    "ownerRoleName": "SOFFID_ADMIN",
    "roleDescription": "Accounting Manager",
    "status": "A"
},
{
    "informationSystem": "Operation/Business process/ad",
    "ownerRole": 63,
    "ownerRoleDescription": "SOFFID Administrator",
```

```
    "roleId": 391535,
    "mandatory": true,
    "enabled": true,
    "ownerSystem": "soffid",
    "system": "ad",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/503759",
        "resourceType": "RoleGrant"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.RoleGrant"
    ],
    "roleName": "g100",
    "hasDomain": false,
    "id": 503759,
    "ownerRoleName": "SOFFID_ADMIN",
    "roleDescription": "Desarrollo Circuito",
    "status": "A"
},
{
    "informationSystem": "Operation/Business process/ad",
    "ownerRole": 63,
    "ownerRoleDescription": "SOFFID Administrator",
    "roleId": 391480,
    "mandatory": false,
    "enabled": true,
    "ownerSystem": "soffid",
    "system": "ad",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/501481",
        "resourceType": "RoleGrant"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.RoleGrant"
    ],
    "roleName": "Group Policy Creator Owners",
    "hasDomain": false,
    "id": 501481,
    "ownerRoleName": "SOFFID_ADMIN",
```

```
        "roleDescription": "Members in this group can modify group policy for the domain",
        "status": "A"
    }
],
"description": "SOFFID Administrator",
"granteeGroups": [
    {
        "system": "soffid",
        "informationSystem": "Operation/Business 2/SOFFID",
        "roleId": 63,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/503848",
            "resourceType": "RoleGrant"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.RoleGrant"
        ],
        "roleName": "SOFFID_ADMIN",
        "ownerGroup": "admingroup",
        "hasDomain": false,
        "id": 503848,
        "roleDescription": "SOFFID Administrator",
        "mandatory": true,
        "enabled": true
    }
],
"informationSystemName": "Operation/Business 2/SOFFID",
"password": false,
"system": "soffid",
"ownerGroups": [
    {
        "organizational": false,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/91",
            "resourceType": "Group"
        },
        "quota": "0",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Group"
```

```
        ],
        "name": "admingroup",
        "obsolete": false,
        "description": "Enterprise Administrators Group",
        "parentGroup": "enterprise",
        "attributes": {},
        "id": 91
    }
],
"ownerRoles": [
    {
        "informationSystem": "Operation/Business 2/SOFFID",
        "ownerRole": 392727,
        "ownerRoleDescription": "Business Services",
        "roleId": 63,
        "mandatory": true,
        "enabled": true,
        "ownerSystem": "ad",
        "system": "soffid",
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/501606",
            "resourceType": "RoleGrant"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.RoleGrant"
        ],
        "roleName": "SOFFID_ADMIN",
        "hasDomain": false,
        "id": 501606,
        "ownerRoleName": "share-15000",
        "roleDescription": "SOFFID Administrator",
        "status": "A"
    }
],
"bpmEnabled": true,
"meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/63",
    "resourceType": "Role"
},
```

```
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Role"
        ],
        "name": "SOFFID_ADMIN",
        "approvalStart": "2021-02-26 13:19:36",
        "attributes": {},
        "id": 63,
        "enableByDefault": true
      },
      {
        "ownedRoles": [],
        "description": "Soffid vault owner",
        "granteeGroups": [],
        "informationSystemName": "Operation/Business 2/SOFFID",
        "password": false,
        "system": "soffid",
        "ownerGroups": [],
        "ownerRoles": [],
        "bpmEnabled": true,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/790961",
            "resourceType": "Role"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.api.Role"
        ],
        "name": "SOFFID_OWNER",
        "attributes": {},
        "id": 790961,
        "enableByDefault": false
      },
     .............
   ]
}
```


List by filter

List all roles with a filter expression.

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

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Role?filter=ownerRoles.name eq SOFFID_ADMIN
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "ownedRoles": [],
         "description": "Accounting Manager",
         "granteeGroups": [],
         "informationSystemName": "Operation/Business 2/SOFFID",
         "password": false,
         "system": "ad",
         "ownerGroups": [],
         "ownerRoles": [
            {
               "informationSystem": "Operation/Business 2/SOFFID",
               "ownerRole": 63,
               "ownerRoleDescription": "SOFFID Administrator",
               "roleId": 393447,
               "mandatory": true,
               "enabled": true,
               "ownerSystem": "soffid",
               "system": "ad",
               "meta": {
                  "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/501188",
                  "resourceType": "RoleGrant"
               },
               "schemas": [
```

```
            "urn:soffid:com.soffid.iam.api.RoleGrant"
         ],
         "roleName": "accounting_mgr",
         "hasDomain": false,
         "id": 501188,
         "ownerRoleName": "SOFFID_ADMIN",
         "roleDescription": "Accounting Manager",
         "status": "A"
      }
   ],
   "bpmEnabled": true,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/393447",
      "resourceType": "Role"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Role"
   ],
   "name": "accounting_mgr",
   "attributes": {},
   "id": 393447,
   "enableByDefault": false
},
{
   "ownedRoles": [],
   "description": "Members in this group can modify group policy for the domain",
   "granteeGroups": [],
   "informationSystemName": "Operation/Business process/ad",
   "password": false,
   "system": "ad",
   "ownerGroups": [],
   "ownerRoles": [
      {
         "informationSystem": "Operation/Business process/ad",
         "ownerRole": 63,
         "ownerRoleDescription": "SOFFID Administrator",
         "roleId": 391480,
         "mandatory": false,
         "enabled": true,
```

```
            "ownerSystem": "soffid",
            "system": "ad",
            "meta": {
               "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/501481",
               "resourceType": "RoleGrant"
            },
            "schemas": [
               "urn:soffid:com.soffid.iam.api.RoleGrant"
            ],
            "roleName": "Group Policy Creator Owners",
            "hasDomain": false,
            "id": 501481,
            "ownerRoleName": "SOFFID_ADMIN",
            "roleDescription": "Members in this group can modify group policy for the domain",
            "status": "A"
         }
      ],
      "bpmEnabled": false,
      "meta": {
         "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/391480",
         "resourceType": "Role"
      },
      "schemas": [
         "urn:soffid:com.soffid.iam.api.Role"
      ],
      "name": "Group Policy Creator Owners",
      "attributes": {},
      "id": 391480,
      "enableByDefault": false
   },
  .............
 ]
}
```


Query by id

Query a role by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Role/393195
```

Response 200 OK


```
{
   "approvalEnd": "2021-02-04 15:39:05",
   "ownedRoles": [],
   "description": "AD role",
   "granteeGroups": [],
   "informationSystemName": "Operation/Business process/ad",
   "password": false,
   "system": "ad",
   "ownerGroups": [],
   "ownerRoles": [
      {
         "informationSystem": "Operation/Business process/ad",
         "ownerRole": 63,
         "ownerRoleDescription": "SOFFID Administrator",
         "roleId": 393195,
         "mandatory": true,
         "enabled": true,
         "ownerSystem": "soffid",
         "system": "ad",
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleGrant/1563461",
            "resourceType": "RoleGrant"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.api.RoleGrant"
         ],
         "roleName": "AD role",
         "hasDomain": false,
         "id": 1563461,
         "ownerRoleName": "SOFFID_ADMIN",
         "roleDescription": "AD role",
         "status": "A"
      }
   ],
   "bpmEnabled": true,
```

```
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/393195",
    "resourceType": "Role"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Role"
  ],
  "name": "AD role",
  "approvalStart": "2021-02-04 15:39:05",
  "attributes": {},
  "id": 393195,
  "enableByDefault": false
}
```


Create

Request

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

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Role"
  ],
  "name": "App Billing Role",
  "description": "Role Admin for Billing application",
  "informationSystemName": "Operation/Business 2/App Billing",
  "system": "test",
  "password": false,
  "bpmEnabled": false,
  "enableByDefault": false,
  "granteeGroups": [],
  "ownedRoles": [],
  "ownerGroups": [],
  "ownerRoles": []
}
```

Response 201 Created


```
{
   "ownedRoles": [],
   "description": "Role Admin for Billing application",
   "granteeGroups": [],
   "informationSystemName": "Operation/Business 2/App Billing",
   "password": false,
   "system": "test",
   "ownerGroups": [],
   "ownerRoles": [],
   "bpmEnabled": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/1976590",
      "resourceType": "Role"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Role"
   ],
   "name": "App Billing Role",
   "attributes": {},
   "id": 1976590,
   "enableByDefault": 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/Role/1976590
```

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Role"
   ],
   "Operations": [
```

```
    {
      "op": "replace",
      "path": "system",
      "value": "soffid"
    }
  ]
}
```

Response 200 OK


```
{
  "ownedRoles": [],
  "description": "Role Admin for Billing application",
  "granteeGroups": [],
  "informationSystemName": "Operation/Business 2/App Billing",
  "password": false,
  "system": "soffid",
  "ownerGroups": [],
  "ownerRoles": [],
  "bpmEnabled": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/1976590",
    "resourceType": "Role"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Role"
  ],
  "name": "App Billing Role",
  "attributes": {},
  "id": 1976590,
  "enableByDefault": false
}
```


Update all

This operation replaces all values in the role.

- Note that the attribute id is required to confirm that the resource "...Role/<id>" is the same that the JSON role.

- Note that all the attributes not included in the request will be cleared in the role 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 https://<your-domain>/soffid/webservice/scim2/v1/Role/1976590
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Role"
   ],
   "id": 1976590,
   "name": "App Billing",
   "description": "Role Admin for Billing application",
   "informationSystemName": "Operation/Business 2/App Billing",
   "system": "test",
   "password": false,
   "bpmEnabled": false,
   "enableByDefault": false,
   "granteeGroups": [],
   "ownedRoles": [],
   "ownerGroups": [],
   "ownerRoles": []
}
```


Response 200 OK


```
{
   "ownedRoles": [],
   "description": "Role Admin for Billing application",
   "granteeGroups": [],
   "informationSystemName": "Operation/Business 2/App Billing",
   "password": false,
   "system": "test",
   "ownerGroups": [],
   "ownerRoles": [],
```

```
    "bpmEnabled": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role/1976590",
        "resourceType": "Role"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Role"
    ],
    "name": "App Billing",
    "attributes": {},
    "id": 1976590,
    "enableByDefault": false
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/Role/1976590
```

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

Notes

Note: use of roles with domain values

In case of granting roles with domain values, the optional attribute domain value contains the value for that domain. Here is a sample account with permissions for the role SOFFID_OU_DOMAIN and domains D2 and enterprise:


```
{
        "grantedRoles": [],
        "roles": [
           {
              "informationSystemName": "SOFFID",
              "roleName": "SOFFID_OU_MANAGER",
              "id": 2236442,
              "roleDescription": "Business unit manager",
              "domainValue": "D2"
           },
           {
              "informationSystemName": "SOFFID",
              "roleName": "SOFFID_OU_MANAGER",
              "id": 2236447,
              "roleDescription": "Business unit manager",
              "domainValue": "enterprise"
           }
        ],
        "description": "faith - faith MUYOYO",
        "type": {
           "value": "U"
        },
        "lastUpdated": "2019-07-16T10:35:01+02:00",
        "ownerGroups": [],
        "inheritNewPermissions": false,
        "disabled": false,
        "id": 1727122,
        "grantedGroups": [],
        "managerGroups": [],
        "passwordPolicy": "I",
        "managerRoles": [],
        "created": "2019-07-16T10:26:16+02:00",
        "system": "soffid",
```

```
    "ownerRoles": [],
    "meta": {
       "location": "http://bubu-thinkpad:8080/soffid/webservice/scim/Account/1727122",
       "resourceType": "Account"
    },
    "name": "faith",
    "managerUsers": [],
    "attributes": {},
    "grantedUsers": [],
    "ownerUsers": [
       {
          "lastName": "Smith",
          "createdByUser": "csv",
          "mailServer": "null",
          "nationalID": "",
          "multiSession": false,
          "modifiedByUser": "admin",
          "id": 1727113,
          "homeServer": "null",
          "primaryGroupDescription": "Entrprise",
          "primaryGroup": "enterprise",
          "comments": "Loaded from CSV file on Mon Aug 05 22:00:00 CEST 2019",
          "profileServer": "null",
          "active": true,
          "fullName": "faith MUYOYO",
          "userName": "faith",
          "mailAlias": "",
          "firstName": "faith",
          "createdDate": "2019-07-16T10:26:16+02:00",
          "phoneNumber": "",
          "modifiedDate": "2019-12-12T17:06:42+01:00",
          "userType": "I"
       }
    ]
}
```


Notes about role domains

By default, roles have no security domain (sometimes referred to as scope). When a security domain is assigned to a role, each account-role object is tagged with the proper security domain value. It is allowed to assign one role multiple times to the same user, as long as each assignment is tagged with a different security domain value. For instance, one can create the SOFFID_OU_MANAGER role bound to the GROUPS security domain. Then, you can assign the role SOFFID_OU_MANAGER/Group1 to any user.

Four kind of security domains are available:

- SENSE_DOMAIN: No security domain applies
- GROUP: A business unit is bound to each grant of this role
- APLICATION: A information sysstem is bound to each grant of this role
- Custom domain: Each application can have its own security domains with arbitrary meanings.

To set or modify the role domain for a role, one can use the "domain" attribute. This attribute is a complex object composed of a name and a description. Only the name is mandatory.

Notes about role inheritance

Role inheritance is driven by the ownedRoles, ownerRoles and ownedGroups. Each of these attributes is an array of grants. Each grant has the following attributes:

- ownerRole: id of owner role.
- ownerSystem: name of owner role's system.
- ownerRoleName: name of owner role's name.
- ownerRolDomainValue: security domain of the owner role. If a user is granted with the owner role, and the ownerRolDomainValue does not match the grant domain, the inheritance rule does not apply.
- roleId: id of owned role.
- system: name of owned role's system
- roleName: name of owned role's name
- domainValue: security domain of the owned role.

The role inheritance can vary slightly depending on whether the owned role and the owner role are in the same domain or not:

Resulting domain value	Owner role has no domain	Owner role has a different domain	Same domain
Domain value not specified	Blank	Blank	Owner role domain value
Domain value specified	Specified value	Specified value	Specified value

SCIM Group type examples

Operations

This page shows the operations that can be performed for the Group Type object

List all

Request

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

Response 200 OK


```
{
 "schemas": [
  "urn:ietf:params:scim:api:messages:2.0:ListResponse"
 ],
 "totalResults": 2,
 "startIndex": 1,
 "Resources": [
  {
   "roleHolder": true,
   "updatedBy": "admin",
   "createdBy": "admin",
   "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/GroupType/24552",
    "resourceType": "GroupType"
   },
   "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupType"
   ],
   "name": "App Billing Role",
   "description": "Role Admin for Billing application",
   "id": 24552,
```

```
    "updatedOn": "2026-03-06 08:37:45",
    "createdOn": "2026-03-06 08:37:45"
   },
   {
    "roleHolder": true,
    "updatedBy": "admin",
    "createdBy": "admin",
    "meta": {
     "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/GroupType/24553",
     "resourceType": "GroupType"
    },
    "schemas": [
     "urn:soffid:com.soffid.iam.iga.api.GroupType"
    ],
    "name": "Example group type",
    "description": "Example group type",
    "id": 24553,
    "updatedOn": "2026-03-06 08:38:43",
    "createdOn": "2026-03-06 08:38:43"
   }
  ]
}
```


List by filter

List all group types 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/GroupType?filter=description co exa
```

Response 200 OK


```
{
  "schemas": [
```

```
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "roleHolder": true,
      "updatedBy": "admin",
      "createdBy": "admin",
      "meta": {
        "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/GroupType/24553",
        "resourceType": "GroupType"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.GroupType"
      ],
      "name": "Example group type",
      "description": "Example group type",
      "id": 24553,
      "updatedOn": "2026-03-06 08:38:43",
      "createdOn": "2026-03-06 08:38:43"
    }
  ]
}
```


Query by id

Query a group type by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/GroupType/24553
```

Response 200 OK


```
{
  "roleHolder": true,
  "updatedBy": "admin",
  "createdBy": "admin",
```

```
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/GroupType/24553",
    "resourceType": "GroupType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupType"
  ],
  "name": "Example group type",
  "description": "Example group type",
  "id": 24553,
  "updatedOn": "2026-03-06 08:38:43",
  "createdOn": "2026-03-06 08:38:43"
}
```


Create

Request

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

JSON

```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.GroupType"
    ],
    "name": "Example group type",
    "description": "Example group type",
    "roleHolder": true
}
```

Response 201 Created


```
{
  "roleHolder": true,
  "updatedBy": "admin",
  "createdBy": "admin",
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/GroupType/24553",
```

```
    "resourceType": "GroupType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupType"
  ],
  "name": "Example group type",
  "description": "Example group type",
  "id": 24553,
  "updatedOn": "2026-03-06 08:38:43.002",
  "createdOn": "2026-03-06 08:38:43.002"
}
```


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/GroupType/1976710
```

JSON

```
{
   "Operations": [
      {
         "op": "replace",
         "path": "name",
         "value": "OU"
      }
   ]
}
```

Response 200 OK


```
{
   "roleHolder": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupType/1976710",
      "resourceType": "OUType"
```

```
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupType"
  ],
  "name": "OU",
  "description": "New OU",
  "id": 1976710
}
```


Update all

This operation replaces all values in the group type.

- Note that the attribute id is required to confirm that the resource "...OUType/<id>" is the same that the JSON group type.
- Note that all the attributes not included in the request will be cleared in the group 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 https://<your-domain>/soffid/webservice/scim2/v1/GroupType/1976590
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupType"
  ],
  "id": 1976710,
  "name": "ChangeOU"
}
```


Response 200 OK


```
{
  "roleHolder": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupType/1976710",
```

```
        "resourceType": "OUType"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.base.api.GroupType"
    ],
    "name": "ChangeOU",
    "id": 1976710
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/GroupType/1976710
```

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

SCIM User type examples

Operations

This page shows the operations that can be performed for the user type object

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 3,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserType/29",
            "resourceType": "UserType"
         },
         "unmanaged": false,
         "schemas": [
            "urn:soffid:com.soffid.iam.api.UserType"
         ],
         "name": "S",
         "description": "SSO account (USE IT)",
         "id": 29
      },
      {
```

```
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserType/31",
          "resourceType": "UserType"
        },
        "unmanaged": false,
        "schemas": [
          "urn:soffid:com.soffid.iam.api.UserType"
        ],
        "name": "E",
        "description": "External user",
        "id": 31
      },
      {
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserType/33",
          "resourceType": "UserType"
        },
        "unmanaged": false,
        "schemas": [
          "urn:soffid:com.soffid.iam.api.UserType"
        ],
        "name": "I",
        "description": "Internal user",
        "id": 33
      }
    ]
}
```


List by filter

List all user types 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/UserType?filter=description co sso
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserType/29",
            "resourceType": "UserType"
         },
         "unmanaged": false,
         "schemas": [
            "urn:soffid:com.soffid.iam.api.UserType"
         ],
         "name": "S",
         "description": "SSO account (USE IT)",
         "id": 29
      }
   ]
}
```


Query by id

Query a user type by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/UserType/33
```

Response 200 OK


```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserType/33",
      "resourceType": "UserType"
```

```
  },
  "unmanaged": false,
  "schemas": [
    "urn:soffid:com.soffid.iam.api.UserType"
  ],
  "name": "I",
  "description": "Internal user",
  "id": 33
}
```


Create

Request

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

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.UserType"
  ],
  "name": "O",
  "description": "Other user",
  "managed": false
}
```


Response 201 Created


```
{
 "updatedBy": "admin",
 "createdBy": "admin",
 "managed": false,
 "meta": {
  "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserType/24555",
  "resourceType": "UserType"
 },
 "schemas": [
  "urn:soffid:com.soffid.iam.iga.api.UserType"
```

```
  ],
  "name": "O",
  "description": "Other user",
  "id": 24555,
  "updatedOn": "2026-03-06 08:53:08.447",
  "createdOn": "2026-03-06 08:53:08.447"
}
```


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/UserType/24555
```

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.UserType"
   ],
   "Operations": [
      {
         "op": "replace",
         "path": "name",
         "value": "OT"
      }
   ]
}
```

Response 200 OK


```
{
  "updatedBy": "admin",
  "createdBy": "admin",
  "managed": false,
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserType/24555",
```

```
    "resourceType": "UserType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.UserType"
  ],
  "name": "OT",
  "description": "Other user",
  "id": 24555,
  "updatedOn": "2026-03-06 08:56:26.711",
  "createdOn": "2026-03-06 08:53:08"
}
```


Update all

This operation replaces all values in the roole.

- Note that the attribute id is required to confirm that the resource "...UserType/<id>" is the same that the JSON user type.
- Note that all the attributes not included in the request will be cleared in the user 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 see Resource data model page

Request

```
PUT https://<your-domain>/soffid/webservice/scim2/v1/UserType/1976718
```

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.base.api.UserType"
    ],
    "id": 24555,
    "name": "OY"
}
```


Response 200 OK

```
{
  "updatedBy": "admin",
  "managed": true,
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserType/24555",
    "resourceType": "UserType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.UserType"
  ],
  "name": "OY",
  "id": 24555,
  "updatedOn": "2026-03-06 08:57:31.781"
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/UserType/24555
```

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

SCIM UserGroup examples

Operations

This page shows the operations that can be performed for the object that establishes the relationship between groups and users. You can add, delete and or modify users in a group.

List all

Request

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

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "updatedBy": "admin",
      "groupId": 647,
      "start": "2026-03-06 09:08:42",
      "fullName": "Cas Kelp",
      "updatedOn": "2026-03-06 09:08:42",
      "userId": 18327,
      "createdOn": "2026-03-06 09:08:42",
      "groupDescription": "World",
      "createdBy": "admin",
      "meta": {
        "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserGroup/24560",
        "resourceType": "UserGroup"
```

```
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.UserGroup"
    ],
    "disabled": false,
    "attributes": {},
    "id": 24560,
    "user": "ckelp",
    "primaryGroup": true,
    "group": "world"
  }
 ]
}
```


List by filter

List all GroupUsers 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/UserGroup?filter=groupDescription co  "wo"
```

Response 200 OK


```
{
 "schemas": [
  "urn:ietf:params:scim:api:messages:2.0:ListResponse"
 ],
 "totalResults": 1,
 "startIndex": 1,
 "Resources": [
  {
   "updatedBy": "admin",
   "groupId": 647,
   "start": "2026-03-06 09:08:42",
```

```
    "fullName": "Cas Kelp",
    "updatedOn": "2026-03-06 09:08:42",
    "userId": 18327,
    "createdOn": "2026-03-06 09:08:42",
    "groupDescription": "World",
    "createdBy": "admin",
    "meta": {
      "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserGroup/24560",
      "resourceType": "UserGroup"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.UserGroup"
    ],
    "disabled": false,
    "attributes": {},
    "id": 24560,
    "user": "ckelp",
    "primaryGroup": true,
    "group": "world"
  }
 ]
}
```


Query by id

Query a GroupUser by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/UserGroup/1974296
```

Response 200 OK


```
{
  "groupDescription": "Help desk support team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/UserGroup/1974296",
    "resourceType": "UserGroup"
  },
```

```
    "schemas": [
        "urn:soffid:com.soffid.iam.api.UserGroup"
    ],
    "start": "2021-05-05 12:49:51",
    "fullName": "John Smith",
    "disabled": false,
    "attributes": {
        "startDate": "2021-05-04 00:00:00"
    },
    "id": 1974296,
    "user": "jsmith",
    "primaryGroup": false,
    "group": "it"
}
```


Create

This option allows you to add a user to a specific group.

Request

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

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.UserGroup"
    ],
    "group": "world",
    "groupDescription": "Help desk support team",
    "user": "ckelp",
    "fullName": "Casey Kelp",
    "primaryGroup": true,
    "attributes": {}
}
```


Response 201 Created

```
{
  "updatedBy": "admin",
  "groupId": 647,
  "start": "2026-03-06 09:08:42.103",
  "fullName": "Cas Kelp",
  "updatedOn": "2026-03-06 09:08:42.136",
  "userId": 18327,
  "createdOn": "2026-03-06 09:08:42.128",
  "groupDescription": "World",
  "createdBy": "admin",
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/UserGroup/24560",
    "resourceType": "UserGroup"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.UserGroup"
  ],
  "disabled": false,
  "attributes": {},
  "id": 24560,
  "user": "ckelp",
  "primaryGroup": true,
  "group": "world"
}
```


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/UserGroup/1976741
```

JSON


```
{
   "Operations": [
      {
         "op": "replace",
```

```
      "path": "groupDescription",
      "value": "Enterprise engineering team"
    },
    {
      "op": "replace",
      "path": "group",
      "value": "EngineeringTeam"
    }
  ]
}
```


Response 200 OK


```
{
  "groupDescription": "Enterprise engineering team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1976741",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2021-05-11 10:39:23",
  "fullName": "Casey Kelp",
  "disabled": false,
  "attributes": {},
  "id": 1976741,
  "user": "ckelp",
  "primaryGroup": true,
  "group": "EngineeringTeam"
}
```


Update all

This operation replaces all values in the GroupUser.

- Note that the attribute id is required to confirm that the resource "...GroupUser/<id>" is the same that the JSON GroupUser.
- Note that all the attributes not included in the request will be cleared in the GroupUser 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 see Resource data model page

Request

```
PUT https://<your-domain>/soffid/webservice/scim2/v1/UserGroup/1976741
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.GroupUser"
   ],
   "id": 1976741,
   "group": "it",
   "groupDescription": "Help desk support team",
    "user": "ckelp",
   "fullName": "Casey Kelp",
   "primaryGroup": true,
   "attributes": {}
}
```


Response 200 OK


```
{
   "groupDescription": "Help desk support team",
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1976741",
      "resourceType": "GroupUser"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.GroupUser"
   ],
   "fullName": "Casey Kelp",
   "disabled": false,
   "attributes": {},
   "id": 1976741,
   "user": "ckelp",
   "primaryGroup": true,
   "group": "it"
```

```
}
```

Delete

This option allows you to remove a user from a specific group.

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/UserGroup/1976741
```

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

SCIM RoleAccount examples

Operations

This page shows the operations that can be performed for the object that establishes the relationship between roles and accounts. You can assign, revoke and or modify roles to an account.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 3530,
   "startIndex": 1,
   "itemsPerPage": 100,
   "Resources": [
      {
         "certificationDate": "2020-02-13 23:01:44",
         "accountSystem": "soffid",
         "accountName": "admin",
         "userGroupCode": "admingroup",
         "approvalPending": false,
         "userFullName": "Soffid Administrator",
         "bpmEnforced": "S",
         "userCode": "admin",
         "enabled": true,
         "accountId": 103,
         "informationSystemName": "Operation/Business 2/SOFFID",
```

```
    "system": "soffid",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount/110",
      "resourceType": "RoleAccount"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.RoleAccount"
    ],
    "roleName": "SOFFID_ADMIN",
    "removalPending": false,
    "id": 110,
    "roleDescription": "SOFFID Administrator",
    "startDate": "2020-02-13 12:00:00"
  },
  {
    "certificationDate": "2020-12-15 10:48:44",
    "accountSystem": "soffid",
    "accountName": "admin",
    "userGroupCode": "admingroup",
    "approvalPending": false,
    "userFullName": "Soffid Administrator",
    "bpmEnforced": "N",
    "userCode": "admin",
    "ruleDescription": "Grants soffid user role to everyone",
    "enabled": true,
    "accountId": 103,
    "informationSystemName": "Operation/Business 2/SOFFID",
    "system": "soffid",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount/1059370",
      "resourceType": "RoleAccount"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.RoleAccount"
    ],
    "roleName": "SOFFID_USER",
    "removalPending": false,
    "id": 1059370,
    "ruleId": 1059365,
```

```
        "roleDescription": "Soffid user",
        "startDate": "2020-12-15 00:00:00"
      },
     ................
   ]
}
```


List by filter

List all RoleAccounts 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/soffid/webservice/scim2/v1/RoleAccount?filter=enabled eq true  and system eq soffid
```


Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 67,
   "startIndex": 1,
   "Resources": [
      {
         "certificationDate": "2020-02-13 23:01:44",
         "accountSystem": "soffid",
         "accountName": "admin",
         "userGroupCode": "admingroup",
         "approvalPending": false,
         "userFullName": "Soffid Administrator",
         "bpmEnforced": "S",
         "userCode": "admin",
         "enabled": true,
```

```
    "accountId": 103,
    "informationSystemName": "Operation/Business 2/SOFFID",
    "system": "soffid",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount/110",
      "resourceType": "RoleAccount"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.RoleAccount"
    ],
    "roleName": "SOFFID_ADMIN",
    "removalPending": false,
    "id": 110,
    "roleDescription": "SOFFID Administrator",
    "startDate": "2020-02-13 12:00:00"
  },
  {
    "certificationDate": "2020-12-13 19:30:51",
    "accountSystem": "soffid",
    "accountName": "gbuades",
    "userGroupCode": "enterprise",
    "approvalPending": false,
    "userFullName": "Gabriel Buades ..",
    "bpmEnforced": "S",
    "userCode": "gbuades",
    "enabled": true,
    "accountId": 1039860,
    "informationSystemName": "Operation/Business 2/SOFFID",
    "system": "soffid",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount/1039866",
      "resourceType": "RoleAccount"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.RoleAccount"
    ],
    "roleName": "SOFFID_ADMIN",
    "removalPending": false,
    "id": 1039866,
```

```
        "roleDescription": "SOFFID Administrator",
        "startDate": "2020-12-13 12:00:00"
      },
     ....................
   ]
}
```


Query by id

Query a RoleAccount by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/RoleAccount/110
```

Response 200 OK


```
{
   "certificationDate": "2020-02-13 23:01:44",
   "accountSystem": "soffid",
   "accountName": "admin",
   "userGroupCode": "admingroup",
   "approvalPending": false,
   "userFullName": "Soffid Administrator",
   "bpmEnforced": "S",
   "userCode": "admin",
   "enabled": true,
   "accountId": 103,
   "informationSystemName": "Operation/Business 2/SOFFID",
   "system": "soffid",
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount/110",
      "resourceType": "RoleAccount"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.RoleAccount"
   ],
   "roleName": "SOFFID_ADMIN",
   "removalPending": false,
```

```
    "id": 110,
    "roleDescription": "SOFFID Administrator",
    "startDate": "2020-02-13 12:00:00"
}
```


Create

This option allows you to assign a role to a specific account.

Request

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

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.RoleAccount"
    ],

    "accountName": "ckelp",
    "accountSystem": "soffid",
    "userName": "ckelp",
    "userFullName": "Casey Kelp",

    "roleName": "SOFFID_ADMIN",
    "roleDescription": "SOFFID Administrator",
    "informationSystemName": "Operation/Business 2/SOFFID",
    "system": "soffid",

    "startDate": "2021-05-10 12:00:00",
    "certificationDate": "2021-05-10 12:00:00",

    "enabled": true,
    "approvalPending": false,
    "removalPending": false,
    "bpmEnabled": "N",

}
```

Response 201 Created


```
{
  "accountSystem": "soffid",
  "accountName": "ckelp",
  "approvalPending": false,
  "createdOn": "2026-03-06 09:28:43.421",
  "enabled": true,
  "informationSystemName": "SOFFID",
  "bpmEnabled": "N",
  "removalPending": false,
  "id": 24567,
  "certificationDate": "2026-03-06 09:28:43.421",
  "updatedBy": "admin",
  "userGroupCode": "world",
  "roleId": 632,
  "userFullName": "Cas Kelp",
  "updatedOn": "2026-03-06 09:28:43.421",
  "userName": "ckelp",
  "accountId": 24563,
  "system": "soffid",
  "createdBy": "admin",
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/RoleAccount/24567",
    "resourceType": "RoleAccount"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.RoleAccount"
  ],
  "roleName": "SOFFID_ADMIN",
  "attributes": {},
  "roleDescription": "SOFFID Administrator",
  "startDate": "2021-05-10 12:00:00"
}
```


Delete

This option allows you to revoke a role to a specific account.

> If you have installed the **User snapshot backup addon** when you delete a RoleAccount, it will be disabled, but never deleted from the database. If you don not have installed the **User snapshot backup addon**, when you delete the RoleAccount, it will be deleted from the database.

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

Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/RoleAccount/1976862
```

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

SCIM Host examples

Operations

This page shows the operations that can be performed for the host object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 12,
   "startIndex": 1,
   "Resources": [
      {
         "serialNumber": "soffid.bubu.lab:192.168.133.1",
         "os": "ALT",
         "mail": false,
         "ip": "192.168.133.1",
         "dynamicIp": true,
         "description": "Autocreated on  12/13/20 6:49:34 PM",
         "office": false,
         "lastSeen": "2020-12-13 18:49:34",
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1039055",
            "resourceType": "Host"
         },
         "networkCode": "internal",
```

```
        "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Host"
        ],
        "name": "soffid.bubu.lab",
        "id": 1039055,
        "hostAlias": [],
        "printersServer": false
    },
    {
        "os": "ALT",
        "mail": false,
        "ip": "10.129.120.4",
        "dynamicIp": false,
        "description": "Discovered host iam.soffid.com",
        "office": false,
        "lastSeen": "2021-04-05 20:06:19",
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793093",
            "resourceType": "Host"
        },
        "networkCode": "lab1",
        "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Host"
        ],
        "name": "iam.soffid.com",
        "id": 1793093,
        "hostAlias": [],
        "printersServer": false
    },
  ........
 ]
}
```


List by filter

List all Hosts with a filter expression.

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

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Host?filter=os eq LIN and name co archiva
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "os": "LIN",
         "mail": false,
         "ip": "10.129.120.2",
         "dynamicIp": false,
         "description": "Discovered host archiva.dev.lab",
         "office": false,
         "lastSeen": "2021-04-05 20:04:49",
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793026",
            "resourceType": "Host"
         },
         "networkCode": "lab1",
         "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Host"
         ],
         "name": "archiva.dev.lab",
         "id": 1793026,
         "hostAlias": [],
         "printersServer": false
      }
   ]
}
```

Query by id

Query a Host by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Host/1793093
```

Response 200 OK


```
{
   "os": "ALT",
   "mail": false,
   "ip": "10.129.120.4",
   "dynamicIp": false,
   "description": "Discovered host iam.soffid.com",
   "office": false,
   "lastSeen": "2021-04-05 20:06:19",
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793093",
      "resourceType": "Host"
   },
   "networkCode": "lab1",
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "name": "iam.soffid.com",
   "id": 1793093,
   "hostAlias": [],
   "printersServer": false
}
```


Create

Request

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

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "name": "billing.dev.lab",
   "description": "Host billing.dev.lab",
   "os": "LIN",
   "mail": false,
   "dynamicIp": false,
   "networkCode": "internal",
   "hostAlias": [
      "aliasHost_1",
      "aliasHost_2"
   ],
   "serialNumber": "123456789",
   "printersServer": false
}
```


Response 201 Created


```
{
   "serialNumber": "123456789",
   "os": "LIN",
   "mail": false,
   "dynamicIp": false,
   "description": "Host billing.dev.lab",
   "office": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
      "resourceType": "Host"
   },
   "networkCode": "internal",
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "name": "billing.dev.lab",
   "id": 1976899,
   "hostAlias": [
     "aliasHost_1",
```

```
      "aliasHost_2"
    ],
    "printersServer": 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/Host/1976899
```

JSON

```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.Host"
    ],
    "Operations": [
        {
            "op": "replace",
            "path": "networkCode",
            "value": "Lab1"
        },
        {
            "op": "add",
            "path": "hostAlias",
            "value": [
                "aliasHost_3",
                "aliasHost_4"
            ]
        }
    ]
}
```

Response 200 OK

```
{
   "serialNumber": "123456789",
   "os": "LIN",
   "mail": false,
   "dynamicIp": false,
   "description": "Host billing.dev.lab",
   "office": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
      "resourceType": "Host"
   },
   "networkCode": "Lab1",
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "name": "billing.dev.lab",
   "id": 1976899,
   "hostAlias": [
      "aliasHost_1",
      "aliasHost_2",
      "aliasHost_3",
      "aliasHost_4"
   ],
   "printersServer": false
}
```


Update all

This operation replaces all values in the Hosts.

- Note that the attribute id is required to confirm that the resource "...Host/<id>" is the same that the JSON Host.
- Note that all the attributes not included in the request will be cleared in the Host 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 https://<your-domain>/soffid/webservice/scim2/v1/Host/1976899
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "id": 1976899,
   "name": "billing.dev.lab",
   "description": "Host billing.dev.lab",
   "os": "LIN",
   "mail": false,
   "dynamicIp": false,
   "networkCode": "internal",
   "printersServer": false
}
```


Response 200 OK


```
{
   "os": "LIN",
   "mail": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
      "resourceType": "Host"
   },
   "networkCode": "internal",
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Host"
   ],
   "name": "billing.dev.lab",
   "dynamicIp": false,
   "description": "Host billing.dev.lab",
   "id": 1976899,
   "hostAlias": [],
   "printersServer": false
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/Host/1976899
```

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

SCIM MailDomain examples

Operations

This page shows the operations that can be performed for the MailDomain object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/523263",
            "resourceType": "MailDomain"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.MailDomain"
         ],
         "name": "soffid.com",
         "obsolete": false,
         "description": "Soffid",
         "id": 523263
      },
      {
```

```
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/523265",
            "resourceType": "MailDomain"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.MailDomain"
        ],
        "name": "soffid.org",
        "obsolete": false,
        "description": "Old Domain",
        "id": 523265
    }
  ]
}
```


List by filter

List all Mail domain 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/MailDomain?filter=obsolete eq false and description co old
```

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "meta": {
```

```
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/523265",
            "resourceType": "MailDomain"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.MailDomain"
        ],
        "name": "soffid.org",
        "obsolete": false,
        "description": "Old Domain",
        "id": 523265
    }
  ]
}
```


Query by id

Query a Mail Domain by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/MailDomain/523263
```

Response 200 OK


```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/523263",
    "resourceType": "MailDomain"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.MailDomain"
  ],
  "name": "soffid.com",
  "obsolete": false,
  "description": "Soffid",
  "id": 523263
}
```

Create

Request

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

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "name": "newdomain.com",
   "obsolete": false,
   "description": "New Domain"
}
```

Response 201 Created

```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/1976941",
      "resourceType": "MailDomain"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "name": "newdomain.com",
   "obsolete": false,
   "description": "New Domain",
   "id": 1976941
}
```

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/MailDomain/1976941
```

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "Operations": [
      {
         "op": "replace",
         "path": "description",
         "value": "New domain (xxx)"
      },
      {
         "op": "replace",
         "path": "obsolete",
         "value": "true"
      }
   ]
}
```

Response 200 OK

```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/1976941",
      "resourceType": "MailDomain"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "name": "newdomain.com",
   "obsolete": true,
   "description": "New domain (xxx)",
   "id": 1976941
}
```

Update all

This operation replaces all values in the Mail Domain.

- Note that the attribute id is required to confirm that the resource "...MailDomain/<id>" is the same that the JSON MailDomain.
- Note that all the attributes not included in the request will be cleared in the MailDomain 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 https://<your-domain>/soffid/webservice/scim2/v1/MailDomain/1976941
```

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "id": 1976941,
   "name": "newdomain.com",
   "obsolete": false,
   "description": "New Domain"
}
```

Response 200 OK

```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailDomain/1976941",
      "resourceType": "MailDomain"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailDomain"
   ],
   "name": "newdomain.com",
   "obsolete": false,
   "description": "New Domain",
   "id": 1976941
}
```

Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/MailDomain/1976941
```

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

SCIM MailList examples

Operations

This page shows the operations that can be performed for the MailList object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 3,
   "startIndex": 1,
   "Resources": [
      {
         "groupMembers": [],
         "usersList": [
            "admin",
            "test2"
         ],
         "description": "Test email",
         "externalList": [],
         "explodedUsersList": [
            "test2",
            "admin"
         ],
         "roleMembers": [],
         "lists": [
```

```
            "test@soffid.com"
         ],
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/524071",
            "resourceType": "MailList"
         },
         "domainName": "soffid.com",
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.MailList"
         ],
         "name": "test",
         "attributes": {},
         "id": 524071,
         "listsBelong": "test@soffid.com"
      },
      {
         "groupMembers": [],
         "usersList": [],
         "externalList": [],
         "explodedUsersList": [],
         "roleMembers": [],
         "lists": [],
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/1976100",
            "resourceType": "MailList"
         },
         "domainName": "soffid.org",
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.MailList"
         ],
         "name": "mailList",
         "attributes": {},
         "id": 1976100,
         "listsBelong": ""
      },
      ......
   ]
}
```

List by filter

List all MailList 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/MailList?filter=description co test
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "groupMembers": [],
         "usersList": [
            "admin",
            "test2"
         ],
         "description": "Test email",
         "externalList": [],
         "explodedUsersList": [
            "test2",
            "admin"
         ],
         "roleMembers": [],
         "lists": [
            "test@soffid.com"
         ],
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/524071",
```

```
        "resourceType": "MailList"
      },
      "domainName": "soffid.com",
      "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.MailList"
      ],
      "name": "test",
      "attributes": {},
      "id": 524071,
      "listsBelong": "test@soffid.com"
    },
    {
      "groupMembers": [],
      "usersList": [
        "dilbert",
        "admin"
      ],
      "description": "Test email mailList",
      "externalList": [],
      "explodedUsersList": [
        "dilbert",
        "admin"
      ],
      "roleMembers": [],
      "lists": [],
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/1976181",
        "resourceType": "MailList"
      },
      "domainName": "soffid.com",
      "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.MailList"
      ],
      "name": "mailList2",
      "attributes": {},
      "id": 1976181,
      "listsBelong": ""
    }
]
```

```
}
```

Query by id

Query a MailList by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/MailList/524071
```

Response 200 OK


```
{
   "groupMembers": [],
   "usersList": [
      "admin",
      "test2"
   ],
   "description": "Test email",
   "externalList": [],
   "explodedUsersList": [
      "test2",
      "admin"
   ],
   "roleMembers": [],
   "lists": [
      "test@soffid.com"
   ],
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/524071",
      "resourceType": "MailList"
   },
   "domainName": "soffid.com",
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailList"
   ],
   "name": "test",
   "attributes": {},
   "id": 524071,
```

```
    "listsBelong": "test@soffid.com"
}
```

Create

Request

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

JSON

```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.MailList"
    ],
    "name": "billingMailList",
    "domainName": "newdomain.com",
    "description": "Test email mailList",
    "usersList": [
        "admin",
        "dilbert"
    ]
}
```

Response 201 Created

```
{
    "groupMembers": [],
    "usersList": [
        "dilbert",
        "admin"
    ],
    "description": "Test email mailList",
    "externalList": [],
    "explodedUsersList": [
        "dilbert",
        "admin"
    ],
    "roleMembers": [],
```

```
  "lists": [],
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/1976957",
    "resourceType": "MailList"
  },
  "domainName": "newdomain.com",
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.MailList"
  ],
  "name": "billingMailList",
  "attributes": {},
  "id": 1976957,
  "listsBelong": ""
}
```


Update partial

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

Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/GroupUser/1976741
```

JSON


```
{
  "Operations": [
    {
      "op": "remove",
      "path": "usersList",
      "value": [
        "admin",
        "dilbert"
      ]
    }
  ]
}
```


Response 200 OK

```
{
   "groupMembers": [],
   "description": "Test email mailList",
   "externalList": [],
   "explodedUsersList": [
      "dilbert",
      "admin"
   ],
   "roleMembers": [],
   "lists": [],
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/1976957",
      "resourceType": "MailList"
   },
   "domainName": "newdomain.com",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.MailList"
   ],
   "name": "billingMailList",
   "attributes": {},
   "id": 1976957,
   "listsBelong": ""
}
```


Update all

This operation replaces all values in the MailList.

- Note that the attribute id is required to confirm that the resource "...MailList/<id>" is the same that the JSON MailList.
- Note that all the attributes not included in the request will be cleared in the MailList 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 https://<your-domain>/soffid/webservice/scim2/v1/MailList/1976957
```

JSON

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailList"
   ],
   "id": 1976957,
   "name": "mailList",
   "domainName": "newdomain.com"
}
```


Response 200 OK


```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/MailList/1976957",
      "resourceType": "MailList"
   },
   "domainName": "newdomain.com",
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.MailList"
   ],
   "name": "mailList",
   "attributes": {},
   "id": 1976957
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/MailList/1976957
```

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

SCIM Network examples

Operations

This page shows the operations that can be performed for the Network object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 6,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/67",
            "resourceType": "Network"
         },
         "ip": "127.0.0.0",
         "lanAccess": false,
         "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Network"
         ],
         "name": "loopback",
         "description": "Description",
         "id": 67,
         "mask": "255.255.255.128",
```

```
        "dhcpSupport": false
      },
      {
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/505167",
          "resourceType": "Network"
        },
        "ip": "172.0.0.0",
        "lanAccess": false,
        "schemas": [
          "urn:soffid:com.soffid.iam.am.api.Network"
        ],
        "name": "int1",
        "description": "Internal network 1",
        "id": 505167,
        "mask": "255.240.0.0",
        "dhcpSupport": false
      },
    ..............
  ]
}
```


List by filter

List all Networks 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/Network?filter=description co labora
```

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
```

```
],
"totalResults": 3,
"startIndex": 1,
"Resources": [
    {
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1790267",
            "resourceType": "Network"
        },
        "ip": "10.129.120.0",
        "lanAccess": false,
        "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Network"
        ],
        "name": "lab1",
        "description": "Laboratory network 1",
        "id": 1790267,
        "mask": "255.255.255.0",
        "dhcpSupport": false
    },
    {
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1790319",
            "resourceType": "Network"
        },
        "ip": "10.129.121.0",
        "lanAccess": false,
        "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Network"
        ],
        "name": "lab2",
        "description": "Laboratory network 2",
        "id": 1790319,
        "mask": "255.255.255.0",
        "dhcpSupport": false
    },
    {
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1858961",
```

```
            "resourceType": "Network"
         },
         "ip": "10.129.122.0",
         "lanAccess": true,
         "schemas": [
            "urn:soffid:com.soffid.iam.am.api.Network"
         ],
         "name": "lab3",
         "description": "Laboratory network",
         "id": 1858961,
         "mask": "255.255.255.0",
         "dhcpSupport": false
      }
   ]
}
```


Query by id

Query a Network by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Network/1038187
```

Response 200 OK


```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1038187",
      "resourceType": "Network"
   },
   "ip": "192.168.133.0",
   "lanAccess": true,
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.Network"
   ],
   "name": "internal",
   "description": "Internal Network",
   "loginRestriction": false,
```

```
    "id": 1038187,
    "mask": "255.255.255.0",
    "dhcpSupport": true
}
```


Create

Request

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

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Network"
    ],
    "name": "Laboratory",
    "description": "Laboratory Network",
    "ip": "192.168.123.0",
    "mask": "255.255.255.0",
    "loginRestriction": false,
    "lanAccess": true,
    "dhcpSupport": true
}
```


Response 201 Created


```
{
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",
        "resourceType": "Network"
    },
    "ip": "192.168.123.0",
    "lanAccess": true,
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Network"
    ],
    "name": "Laboratory",
```

```
    "description": "Laboratory Network",
    "loginRestriction": false,
    "id": 1977114,
    "mask": "255.255.255.0",
    "dhcpSupport": true
}
```


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/Network/1977114
```

JSON


```
{
    "Operations": [
        {
            "op": "replace",
            "path": "ip",
            "value": "192.168.125.0"
        }
    ]
}
```


Response 200 OK


```
{
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",
        "resourceType": "Network"
    },
    "ip": "192.168.123.0",
    "lanAccess": true,
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.Network"
    ],
```

```
  "name": "Laboratory",
  "description": "Laboratory Network",
  "loginRestriction": false,
  "id": 1977114,
  "mask": "255.255.255.0",
  "dhcpSupport": true
}
```


Update all

This operation replaces all values in the Network.

- Note that the attribute id is required to confirm that the resource "...Network/<id>" is the same that the JSON Network.
- Note that all the attributes not included in the request will be cleared in the Network 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 https://<your-domain>/soffid/webservice/scim2/v1/Network/1977114
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.am.api.Network"
  ],
  "id": 1977114,
  "name": "Laboratory",
  "ip": "192.168.123.0",
  "mask": "255.255.255.0"
}
```


Response 200 OK


```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",
```

```
        "resourceType": "Network"
    },
    "ip": "192.168.123.0",
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.Network"
    ],
    "name": "Laboratory",
    "id": 1977114,
    "mask": "255.255.255.0",
    "dhcpSupport": false
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/Network/1977114
```

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

SCIM DomainValue examples

Operations

This page shows the operations that can be performed for the DomainValue object. The DomainValue is related to Information Systems.

> Role scope or domains are properties that can be assigned to some entitlements, limiting the scope of that entitlement. This can be used to limit, for instance, the maximum amount allowed for a money transfer, or the commercial zones to manage.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/499623",
```

```
            "resourceType": "DomainValue"
        },
        "domainName": "Zone",
        "externalCodeDomain": "Operation",
        "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.DomainValue"
        ],
        "description": "Twenty",
        "id": 499623,
        "value": "20"
    },
    {
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/499629",
            "resourceType": "DomainValue"
        },
        "domainName": "Zone",
        "externalCodeDomain": "Operation",
        "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.DomainValue"
        ],
        "description": "Eleven",
        "id": 499629,
        "value": "10"
    },
    .............
  ]
}
```


List by filter

List all DomainValues 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/DomainValue?filter=description co Tw
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/499623",
            "resourceType": "DomainValue"
         },
         "domainName": "Zone",
         "externalCodeDomain": "Operation",
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.DomainValue"
         ],
         "description": "Twenty",
         "id": 499623,
         "value": "20"
      }
   ]
}
```


Query by id

Query a DomainValue by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/DomainValue/802012
```

Response 200 OK

```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/802012",
      "resourceType": "DomainValue"
   },
   "domainName": "Company",
   "externalCodeDomain": "Operation/Business 2/SOFFID",
   "schemas": [
      "urn:soffid:com.soffid.iam.api.DomainValue"
   ],
   "description": "Soffid",
   "id": 802012,
   "value": "Soffid"
}
```


Create

Request

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

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.DomainValue"
   ],
   "domainName": "Company",
   "externalCodeDomain": "Operation/Business 2/SOFFID",
   "description": "bubble",
   "value": "bubble"
}
```


Response 201 Created


```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/1977131",
      "resourceType": "DomainValue"
```

```
  },
  "domainName": "Company",
  "externalCodeDomain": "Operation/Business 2/SOFFID",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.DomainValue"
  ],
  "description": "bubble",
  "id": 1977131,
  "value": "bubble"
}
```


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/DomainValue/1976741
```

JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "description",
      "value": "Bubble description"
    }
  ]
}
```

Response 200 OK


```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/DomainValue/1977131",
    "resourceType": "DomainValue"
  },
  "domainName": "Company",
```

```
  "externalCodeDomain": "Operation/Business 2/SOFFID",
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.DomainValue"
  ],
  "description": "Bubble description",
  "id": 1977131,
  "value": "bubble"
}
```


Update all

This operation replaces all values in the DomainValue.

- Note that the attribute id is required to confirm that the resource "...DomainValue/<id>" is the same that the JSON DomainValue.
- Note that all the attributes not included in the request will be cleared in the DomainValue 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 the Resource data model page

Request

```
PUT https://<your-domain>/soffid/webservice/scim2/v1/DomainValue/1977131
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.GroupUser"
  ],
  "id": 1976741,
  "group": "it",
  "groupDescription": "Help desk support team",
  "user": "ckelp",
  "fullName": "Casey Kelp",
  "primaryGroup": true,
  "attributes": {}
}
```


Response 200 OK

```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.DomainValue"
   ],
   "id": 1977131,
   "domainName": "Company",
   "externalCodeDomain": "Operation/Business 2/SOFFID",
   "description": "New bubble",
   "value": "Newbubble"
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/DomainValue/1977131
```

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

SCIM VaultFolder examples

Operations

This page shows the operations that can be performed for the VaultFolder object

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "grantedRoles": [],
         "accessLevel": "O",
         "managerRoles": [],
         "navigateUsers": [],
         "navigateRoles": [],
         "description": "Accounts that won't be shared",
         "personal": true,
         "ownerGroups": [],
         "ownerRoles": [],
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/368461",
            "resourceType": "VaultFolder"
         },
```

```
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.VaultFolder"
    ],
    "name": "Personal accounts",
    "managerUsers": [],
    "navigateGroups": [],
    "id": 368461,
    "grantedGroups": [],
    "managerGroups": [],
    "grantedUsers": [],
    "ownerUsers": [
        "admin"
    ]
},
{
    "grantedRoles": [],
    "accessLevel": "O",
    "managerRoles": [],
    "navigateUsers": [
        "test2",
        "admin"
    ],
    "navigateRoles": [],
    "description": "Password vault",
    "personal": false,
    "ownerGroups": [],
    "ownerRoles": [],
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/515461",
        "resourceType": "VaultFolder"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.VaultFolder"
    ],
    "name": "vault",
    "managerUsers": [],
    "navigateGroups": [],
    "id": 515461,
    "grantedGroups": [],
```

```
        "managerGroups": [],
        "grantedUsers": [],
        "ownerUsers": [
            "admin"
        ]
      },
     .............
   ]
}
```


List by filter

List all VaultFolders 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/VaultFolder/?filter=personal eq true
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "grantedRoles": [],
         "accessLevel": "O",
         "managerRoles": [],
         "navigateUsers": [],
         "navigateRoles": [],
         "description": "Accounts that won't be shared",
         "personal": true,
```

```
        "ownerGroups": [],
        "ownerRoles": [],
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/368461",
          "resourceType": "VaultFolder"
        },
        "schemas": [
          "urn:soffid:com.soffid.iam.am.api.VaultFolder"
        ],
        "name": "Personal accounts",
        "managerUsers": [],
        "navigateGroups": [],
        "id": 368461,
        "grantedGroups": [],
        "managerGroups": [],
        "grantedUsers": [],
        "ownerUsers": [
          "admin"
        ]
      }
  ]
}
```


Query by id

Query a VaultFolder by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/VaultFolder/515461
```

Response 200 OK


```
{
  "grantedRoles": [],
  "accessLevel": "O",
  "managerRoles": [],
  "navigateUsers": [
    "test2",
```

```
        "admin"
    ],
    "navigateRoles": [],
    "description": "Password vault",
    "personal": false,
    "ownerGroups": [],
    "ownerRoles": [],
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/515461",
        "resourceType": "VaultFolder"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.VaultFolder"
    ],
    "name": "vault",
    "managerUsers": [],
    "navigateGroups": [],
    "id": 515461,
    "grantedGroups": [],
    "managerGroups": [],
    "grantedUsers": [],
    "ownerUsers": [
        "admin"
    ]
}
```


Create

Request

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

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.VaultFolder"
    ],
    "name": "Folder Billing",
```

```
  "description": "Folder Billing",
  "parentFolder": "vault",
  "parentId": 515461,
  "personal": false,
  "accessLevel": "M",
  "ownerUsers": [
    "admin"
  ],
  "navigateUsers": [
    "admin"
  ]
}
```


Response 201 Created


```
{
  "grantedRoles": [],
  "accessLevel": "O",
  "managerRoles": [],
  "navigateUsers": [
    "admin"
  ],
  "navigateRoles": [],
  "description": "Folder Billing",
  "personal": false,
  "parentId": 515461,
  "parentFolder": "vault",
  "ownerGroups": [],
  "ownerRoles": [],
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/1977703",
    "resourceType": "VaultFolder"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.am.api.VaultFolder"
  ],
  "name": "Folder Billing",
  "managerUsers": [],
  "navigateGroups": [],
  "id": 1977703,
```

```
    "grantedGroups": [],
    "managerGroups": [],
    "grantedUsers": [],
    "ownerUsers": [
        "admin"
    ]
}
```


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/VaultFolder/1977703
```

JSON


```
{
    "Operations": [
        {
            "op": "replace",
            "path": "description",
            "value": "Vault folder billing"
        },
        {
            "op": "add",
            "path": "navigateUsers",
            "value": [
                "dilbert",
                "asea"
            ]
        }
    ]
}
```


Response 200 OK

```
{
  "grantedRoles": [],
  "accessLevel": "O",
  "managerRoles": [],
  "navigateUsers": [
    "asea",
    "dilbert",
    "admin"
  ],
  "navigateRoles": [],
  "description": "Vault folder billing",
  "personal": false,
  "parentId": 515461,
  "parentFolder": "vault",
  "ownerGroups": [],
  "ownerRoles": [],
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/1977703",
    "resourceType": "VaultFolder"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.am.api.VaultFolder"
  ],
  "name": "Folder Billing",
  "managerUsers": [],
  "navigateGroups": [],
  "id": 1977703,
  "grantedGroups": [],
  "managerGroups": [],
  "grantedUsers": [],
  "ownerUsers": [
    "admin"
  ]
}
```


Update all

This operation replaces all values in the VaultFolder.

- Note that the attribute id is required to confirm that the resource "...VaultFolder/<id>" is the same that the JSON VaultFolder.
- Note that all the attributes not included in the request will be cleared in the GroupUser 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 https://<your-domain>/soffid/webservice/scim2/v1/VaultFolder/1977703
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.am.api.VaultFolder"
   ],
   "id": 1977703,
   "name": "Folder Billing",
   "description": "Folder Billing",
   "parentFolder": "vault",
   "parentId": 515461,
   "personal": false,
   "accessLevel": "M",
   "ownerUsers": [
      "admin"
   ]
}
```


Response 200 OK


```
{
   "grantedRoles": [],
   "accessLevel": "O",
   "managerRoles": [],
   "navigateUsers": [],
   "navigateRoles": [],
   "description": "Folder Billing",
   "personal": false,
   "parentId": 515461,
   "parentFolder": "vault",
```

```
    "ownerGroups": [],
    "ownerRoles": [],
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/VaultFolder/1977703",
        "resourceType": "VaultFolder"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.am.api.VaultFolder"
    ],
    "name": "Folder Billing",
    "managerUsers": [],
    "navigateGroups": [],
    "id": 1977703,
    "grantedGroups": [],
    "managerGroups": [],
    "grantedUsers": [],
    "ownerUsers": [
        "admin"
    ]
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/VaultFolder/1977703
```

Response 204 No Content

```
204 No Content
```

Error response

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

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

SCIM CustomObject examples

Operations

This page shows the operations that can be performed for the CustomObjects object

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 6,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/CustomObject/848157",
            "resourceType": "CustomObject"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.CustomObject"
         ],
         "name": "aa",
         "description": "aaa",
         "attributes": {
```

```
            "address": "2"
         },
         "id": 848157,
         "type": "building"
      },
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1510208",
            "resourceType": "CustomObject"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.CustomObject"
         ],
         "name": "ES",
         "description": "Spain",
         "attributes": {
            "language": "English"
         },
         "id": 1510208,
         "type": "country"
      },
     ..........
   ]
}
```


List by filter

List all CustomObjects 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/CustomObject?filter=description eq Spain
```

Response 200 OK

```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1510208",
            "resourceType": "CustomObject"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.iga.api.CustomObject"
         ],
         "name": "ES",
         "description": "Spain",
         "attributes": {
            "language": "English"
         },
         "id": 1510208,
         "type": "country"
      }
   ]
}
```


Query by id

Query a CustomObject by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/CustomObject/848062
```

Response 200 OK


```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/848062",
```

```
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.CustomObject"
  ],
  "name": "HQ",
  "description": "Headquarters",
  "attributes": {
    "address": "1"
  },
  "id": 848062,
  "type": "building"
}
```


Create

Request

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

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "type": "country",
  "attributes": {
    "language": "English"
  }
}
```


Response 201 Created


```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
```

```
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "attributes": {
    "language": "English"
  },
  "id": 1977187,
  "type": "country"
}
```


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/CustomObject/1977187
```

JSON


```
{
 "schemas": [
    "urn:soffid:com.soffid.iam.iga.api.CustomObject"
  ],
  "Operations": [
    {
      "op": "replace",
      "path": "attributes",
      "value": {
        "language": "German"
      }
    }
  ]
}
```


Response 200 OK

```
{
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
      "resourceType": "CustomObject"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.CustomObject"
   ],
   "name": "IT",
   "description": "Italy",
   "attributes": {
      "language": "German"
   },
   "id": 1977187,
   "type": "country"
}
```


Update all

This operation replaces all values in the CustomObject.

- Note that the attribute id is required to confirm that the resource "...CustomObject/<id>" is the same that the JSON CustomObject.
- Note that all the attributes not included in the request will be cleared in the CustomObject 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 see Resource data model page

Request

```
PUT https://<your-domain>/soffid/webservice/scim2/v1/CustomObject/1977187
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.iga.api.CustomObject"
   ],
   "id": 1977187,
   "name": "IT",
```

```
    "description": "Italy",
    "type": "country",
    "attributes": {
        "language": "English"
    }
}
```


Response 200 OK


```
{
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
        "resourceType": "CustomObject"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.iga.api.CustomObject"
    ],
    "name": "IT",
    "description": "Italy",
    "attributes": {
        "language": "English"
    },
    "id": 1977187,
    "type": "country"
}
```


Delete

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

Request

```
DELETE https://<your-omain>/soffid/webservice/scim2/v1/CustomObject/1977187
```

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

SCIM ProcessDefinition examples

Operations

This page shows the operations that can be performed for the ProcessDefinitions object

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 8,
   "startIndex": 1,
   "Resources": [
      {
         "author": "admin",
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessDefinition/1474063",
            "resourceType": "ProcessDefinition"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.bpm.api.ProcessDefinition"
         ],
         "name": "User registration",
         "deployed": "2021-02-11 16:42:08",
```

```
        "tag": "27",
        "id": 1474063,
        "version": 27,
        "enabled": true
      },
      {
        "author": "admin",
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessDefinition/1857694",
          "resourceType": "ProcessDefinition"
        },
        "schemas": [
          "urn:soffid:com.soffid.iam.bpm.api.ProcessDefinition"
        ],
        "name": "User request",
        "deployed": "2021-04-15 16:10:11",
        "tag": "19",
        "id": 1857694,
        "version": 19,
        "enabled": true
      },
    .............
  ]
}
```


List by filter

List all ProcessDefinitions 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/ProcessDefinition?filter=name co request
```

Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 2,
  "startIndex": 1,
  "Resources": [
    {
      "author": "admin",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessDefinition/1946303",
        "resourceType": "ProcessDefinition"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessDefinition"
      ],
      "name": "Permissions request",
      "deployed": "2021-04-30 08:48:58",
      "tag": "23",
      "id": 1946303,
      "type": "RoleApproval",
      "version": 23,
      "enabled": true
    },
    {
      "author": "admin",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessDefinition/1857694",
        "resourceType": "ProcessDefinition"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessDefinition"
      ],
      "name": "User request",
      "deployed": "2021-04-15 16:10:11",
      "tag": "19",
      "id": 1857694,
      "version": 19,
      "enabled": true
```

```
      }
    ]
}
```

Query by id

Query a ProcessDefinition by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/ProcessDefinition/1857694
```

Response 200 OK


```
{
    "author": "admin",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessDefinition/1857694",
        "resourceType": "ProcessDefinition"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessDefinition"
    ],
    "name": "User request",
    "deployed": "2021-04-15 16:10:11",
    "tag": "19",
    "id": 1857694,
    "version": 19,
    "enabled": true
}
```


Create

This operation is not allowed.

Update partial

This operation is not allowed.

Update all

This operation is not allowed.

Delete

This operation is not allowed.

Error response

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

SCIM ProcessInstance examples

Operations

This page shows the operations that can be performed for the ProcessInstances object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 311,
   "startIndex": 1,
   "Resources": [
      {
         "dummyProcess": false,
         "variables": {},
         "comments": [
            {
               "actor": "admin Soffid Administrator",
               "schemas": [
                  "urn:soffid:com.soffid.iam.bpm.api.Comment"
               ],
               "time": "2020-09-30 09:57:15",
               "message": "Comentario"
```

```
            }
        ],
        "processDefinition": 628635,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/626161",
            "resourceType": "ProcessInstance"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
        ],
        "start": "2020-09-29 20:34:46",
        "currentTask": "Entrada de la consulta",
        "description": "Consultar la base de datos",
        "end": "2020-11-11 15:05:48",
        "id": 626161
    },
    {
        "dummyProcess": false,
        "variables": {},
        "comments": [],
        "processDefinition": 628635,
        "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/626179",
            "resourceType": "ProcessInstance"
        },
        "schemas": [
            "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
        ],
        "start": "2020-09-29 20:35:22",
        "currentTask": "Entrada de la consulta",
        "description": "Consultar la base de datos",
        "end": "2020-11-11 15:05:44",
        "id": 626179
    },
    ..........
  ]
}
```


List by filter

List all ProcessInstances 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/ProcessInstance?filter=description co Permission and currentTask eq Start
```

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 8,
  "startIndex": 1,
  "Resources": [
    {
      "dummyProcess": false,
      "variables": {
        "requester": "admin",
        "grants": [],
        "requesterName": "Soffid Administrator"
      },
      "comments": [],
      "processDefinition": 1054785,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1053984",
        "resourceType": "ProcessInstance"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
      ],
      "start": "2020-12-14 14:49:20",
      "currentTask": "Start",
      "description": "Permissions request",
      "end": "2021-01-29 08:25:28",
```

```
      "id": 1053984
    },
    {
      "dummyProcess": false,
      "variables": {
        "requester": "admin",
        "grants": [],
        "requesterName": "Soffid Administrator"
      },
      "comments": [],
      "processDefinition": 1946303,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1378380",
        "resourceType": "ProcessInstance"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
      ],
      "start": "2021-01-29 08:26:30",
      "currentTask": "Start",
      "description": "Permissions request",
      "id": 1378380
    },
    ..........
  ]
}
```


Query by id

Query a ProcessInstance by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/ProcessInstance/1378380
```

Response 200 OK

```
{
   "dummyProcess": false,
   "variables": {
      "requester": "admin",
      "grants": [],
      "requesterName": "Soffid Administrator"
   },
   "comments": [],
   "processDefinition": 1946303,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1378380",
      "resourceType": "ProcessInstance"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
   ],
   "start": "2021-01-29 08:26:30",
   "currentTask": "Start",
   "description": "Permissions request",
   "id": 1378380
}
```


Create

Request

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

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
   ],
   "dummyProcess": false,
   "variables": {
      "requester": "ckelp",
      "grants": [],
      "requesterName": "Casey Kelp"
```

```
    },
    "comments": [],
    "processDefinition": 1946303,
    "description": "Permissions request"
}
```


Response 201 Created


```
{
    "dummyProcess": false,
    "variables": {
        "requester": "ckelp",
        "grants": [],
        "requesterName": "Casey Kelp"
    },
    "comments": [],
    "processDefinition": 1946303,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1378380",
        "resourceType": "ProcessInstance"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
    ],
    "start": "2021-01-29 08:26:30",
    "currentTask": "Start",
    "description": "Permissions request",
    "id": 1378380
}
```


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/GroupUser/1976741
```

JSON

```
{
   "Operations": [
      {
         "op": "replace",
         "path": "start",
         "value": "2021-05-14 00:00:00"
      }
   ]
}
```


Response 200 OK


```
{
   "dummyProcess": false,
   "variables": {
      "requester": "admin",
      "grants": [],
      "requesterName": "Soffid Administrator"
   },
   "comments": [],
   "processDefinition": 1946303,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1378380",
      "resourceType": "ProcessInstance"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
   ],
   "start": "2021-05-14 00:00:00",
   "currentTask": "Start",
   "description": "Permissions request",
   "id": 1378380
}
```


Update all

This operation replaces all values in the ProcessInstance.

- Note that the attribute id is required to confirm that the resource "...ProcessInstance/<id>" is the same that the JSON ProcessInstance.

- Note that all the attributes not included in the request will be cleared in the ProcessInstance 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 see Resource data model page

Request

PUT - https://<your-domain>/soffid/webservice/scim2/v1/ProcessInstance/1474138

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
   ],
   "id": 1378380,
   "dummyProcess": false,
   "variables": {
      "requester": "ckelp",
      "grants": [],
      "requesterName": "Casey Kelp"
   },
   "comments": ["comments"],
   "processDefinition": 1946303,
   "start": "2021-05-14 00:00:00",
   "currentTask": "Start",
   "description": "Permissions request"

}
```


Response 200 OK


```
{
   "dummyProcess": false,
   "variables": {
      "requester": "ckelp",
      "grants": [],
      "requesterName": "Casey Kelp"
   },
   "comments": [
```

```
        "comments"
    ],
    "processDefinition": 1946303,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/ProcessInstance/1378380",
        "resourceType": "ProcessInstance"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.ProcessInstance"
    ],
    "start": "2021-05-14 00:00:00",
    "currentTask": "Start",
    "description": "Permissions request",
    "id": 1378380
}
```


Delete

> When you delete a ProcessInstance, it will be disabled, but never deleted from the database, this ProcessInstance will have an end date.

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

Request

```
DELETE - https://<your-domain>/webservice/scim2/v1/ProcessInstance/1977873
```

Response 204 No Content

```
204 No Content
```

Error response

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

SCIM TaskInstance examples

Operations

This page shows the operations that can be performed for the TaskInstances object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 6,
   "startIndex": 1,
   "Resources": [
      {
         "variables": {
            "requester": "admin",
            "grants": [
               {
                  "ownersString": "SOFFID_ADMIN ",
                  "comments": "",
                  "roleId": 393447,
                  "userFullName": "Soffid Administrator",
                  "owners": [
                     "SOFFID_ADMIN"
                  ],
                  "userName": "admin",
                  "approved": false,
```

```
            "applicationDescription": "SOFFID Identity Manager",
            "taskInstance": 1762656,
            "schemas": [
               "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
            ],
            "denied": false,
            "roleDescription": "Accounting Manager",
            "applicationName": "Container/Business 2/SOFFID"
         }
      ],
      "requesterName": "Soffid Administrator"
   },
   "processDefinition": 1762352,
   "description": "Approve ",
   "pooledActors": [
      "SOFFID_ADMIN"
   ],
   "priority": 3,
   "transitions": [
      "Rechazar",
      "Aceptar"
   ],
   "dummyTask": false,
   "processName": "Modificar permisos",
   "processId": 1762544,
   "blocking": false,
   "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1762656",
      "resourceType": "TaskInstance"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
   ],
   "name": "Approve",
   "create": "2021-03-30 19:57:35",
   "cancelled": false,
   "id": 1762656,
   "open": true,
   "signalling": true
```

```
},
{
  "variables": {
    "requester": "admin",
    "grants": [
      {
        "ownersString": "admin ",
        "comments": "",
        "roleId": 393447,
        "userFullName": "Soffid Administrator",
        "owners": [
          "admin"
        ],
        "userName": "admin",
        "approved": false,
        "applicationDescription": "SOFFID Identity Manager",
        "taskInstance": 1861549,
        "schemas": [
          "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
        ],
        "denied": false,
        "roleDescription": "Accounting Manager",
        "applicationName": "Operation/Business 2/SOFFID"
      }
    ],
    "requesterName": "Soffid Administrator"
  },
  "processDefinition": 1946303,
  "description": "Approve pending permissions",
  "pooledActors": [
    "admin"
  ],
  "priority": 3,
  "transitions": [
    "Reject",
    "Approve"
  ],
  "dummyTask": false,
  "processName": "Permissions request",
```

```
        "processId": 1861537,
        "blocking": false,
        "meta": {
          "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1861549",
          "resourceType": "TaskInstance"
        },
        "schemas": [
          "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
        ],
        "name": "Approve",
        "create": "2021-04-17 21:00:46",
        "cancelled": false,
        "id": 1861549,
        "open": true,
        "signalling": true
      },
    .....................
  ]
}
```


List by filter

List all TaskInstances 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/TaskInstance?count=2&filter=processName eq "Permissions request" and name eq Approve
```

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
```

```
"totalResults": 4,
"startIndex": 1,
"Resources": [
   {
      "variables": {
         "requester": "admin",
         "grants": [
            {
               "ownersString": "admin ",
               "comments": "",
               "roleId": 393447,
               "userFullName": "Soffid Administrator",
               "owners": [
                  "admin"
               ],
               "userName": "admin",
               "approved": false,
               "applicationDescription": "SOFFID Identity Manager",
               "taskInstance": 1861549,
               "schemas": [
                  "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
               ],
               "denied": false,
               "roleDescription": "Accounting Manager",
               "applicationName": "Operation/Business 2/SOFFID"
            }
         ],
         "requesterName": "Soffid Administrator"
      },
      "processDefinition": 1946303,
      "description": "Approve pending permissions",
      "pooledActors": [
         "admin"
      ],
      "priority": 3,
      "transitions": [
         "Reject",
         "Approve"
      ],
```

```
    "dummyTask": false,
    "processName": "Permissions request",
    "processId": 1861537,
    "blocking": false,
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1861549",
      "resourceType": "TaskInstance"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
    ],
    "name": "Approve",
    "create": "2021-04-17 21:00:46",
    "cancelled": false,
    "id": 1861549,
    "open": true,
    "signalling": true
  },
  {
    "variables": {
      "requester": "admin",
      "grants": [
        {
          "ownersString": "admin ",
          "comments": "",
          "roleId": 393103,
          "userFullName": "Soffid Administrator",
          "owners": [
            "admin"
          ],
          "userName": "admin",
          "approved": false,
          "applicationDescription": "Active Directory",
          "taskInstance": 1638273,
          "schemas": [
            "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
          ],
          "denied": false,
          "roleDescription": "Enterprise Administrators",
```

```
                "applicationName": "Container/Business process/ad"
            }
        ],
        "requesterName": "Soffid Administrator"
      },
      "processDefinition": 1946303,
      "start": "2021-05-10 12:57:31",
      "description": "Approve pending permissions",
      "pooledActors": [
        "admin"
      ],
      "priority": 3,
      "transitions": [
        "Reject",
        "Approve"
      ],
      "dummyTask": false,
      "actorId": "admin",
      "processName": "Permissions request",
      "processId": 1638261,
      "blocking": false,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1638273",
        "resourceType": "TaskInstance"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
      ],
      "name": "Approve",
      "create": "2021-03-11 16:33:41",
      "cancelled": false,
      "id": 1638273,
      "open": true,
      "signalling": true
    },
    ..............
  ]
}
```

Query by id

Query a TaskInstance by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/TaskInstance/1861549
```

Response 200 OK


```
{
   "variables": {
      "requester": "admin",
      "grants": [
         {
            "ownersString": "admin ",
            "comments": "",
            "roleId": 393447,
            "userFullName": "Soffid Administrator",
            "owners": [
               "admin"
            ],
            "userName": "admin",
            "approved": false,
            "applicationDescription": "SOFFID Identity Manager",
            "taskInstance": 1861549,
            "schemas": [
               "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
            ],
            "denied": false,
            "roleDescription": "Accounting Manager",
            "applicationName": "Operation/Business 2/SOFFID"
         }
      ],
      "requesterName": "Soffid Administrator"
   },
   "processDefinition": 1946303,
   "description": "Approve pending permissions",
   "pooledActors": [
```

```
        "admin"
    ],
    "priority": 3,
    "transitions": [
        "Reject",
        "Approve"
    ],
    "dummyTask": false,
    "processName": "Permissions request",
    "processId": 1861537,
    "blocking": false,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1861549",
        "resourceType": "TaskInstance"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
    ],
    "name": "Approve",
    "create": "2021-04-17 21:00:46",
    "cancelled": false,
    "id": 1861549,
    "open": true,
    "signalling": true
}
```


Create

This operation is not allowed.

Update partial

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

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/TaskInstance/1762656
```

JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "blocking",
      "value": true
    }
  ]
}
```


Response 200 OK


```
{
  "variables": {
    "requester": "admin",
    "grants": [
      {
        "ownersString": "SOFFID_ADMIN ",
        "comments": "",
        "roleId": 393447,
        "userFullName": "Soffid Administrator",
        "owners": [
          "SOFFID_ADMIN"
        ],
        "userName": "admin",
        "approved": false,
        "applicationDescription": "SOFFID Identity Manager",
        "taskInstance": 1762656,
        "schemas": [
          "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
        ],
        "denied": false,
        "roleDescription": "Accounting Manager",
        "applicationName": "Container/Business 2/SOFFID"
      }
    ],
    "requesterName": "Soffid Administrator"
  },
  "processDefinition": 1762352,
```

```
    "description": "Approve ",
    "pooledActors": [
        "SOFFID_ADMIN"
    ],
    "priority": 3,
    "transitions": [
        "Rechazar",
        "Aceptar"
    ],
    "dummyTask": false,
    "processName": "Modificar permisos",
    "processId": 1762544,
    "blocking": true,
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1762656",
        "resourceType": "TaskInstance"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
    ],
    "name": "Approve",
    "create": "2021-03-30 19:57:35",
    "cancelled": false,
    "id": 1762656,
    "open": true,
    "signalling": true
}
```


Update all

This operation replaces all values in the GroupUser.

- Note that the attribute id is required to confirm that the resource "...TaskInstance/<id>" is the same that the JSON TaskInstance.
- Note that all the attributes not included in the request will be cleared in the TaskInstance 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 https://<your-domain>/webservice/scim2/v1/TaskInstance/1762656

JSON


```
{
   "variables": {
      "requester": "admin",
      "grants": [
         {
            "ownersString": "SOFFID_ADMIN ",
            "comments": "",
            "roleId": 393447,
            "userFullName": "Soffid Administrator",
            "owners": [
               "SOFFID_ADMIN"
            ],
            "userName": "admin",
            "approved": false,
            "applicationDescription": "SOFFID Identity Manager",
            "taskInstance": 1762656,
            "schemas": [
               "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
            ],
            "denied": false,
            "roleDescription": "Accounting Manager",
            "applicationName": "Container/Business 2/SOFFID"
         }
      ],
      "requesterName": "Soffid Administrator"
   },
   "processDefinition": 1762352,
   "description": "Approve ",
   "pooledActors": [
      "SOFFID_ADMIN"
   ],
   "priority": 3,
   "transitions": [
      "Rechazar",
      "Aceptar"
   ],
```

```
  "dummyTask": false,
  "processName": "Modificar permisos",
  "processId": 1762544,
  "blocking": true,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1762656",
    "resourceType": "TaskInstance"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
  ],
  "name": "Approve",
  "create": "2021-03-30 19:57:35",
  "cancelled": false,
  "id": 1762656,
  "open": true,
  "signalling": true
}
```


Response 200 OK


```
{
  "variables": {
    "requester": "admin",
    "grants": [
      {
        "ownersString": "SOFFID_ADMIN ",
        "comments": "",
        "roleId": 393447,
        "userFullName": "Soffid Administrator",
        "owners": [
          "SOFFID_ADMIN"
        ],
        "userName": "admin",
        "approved": false,
        "applicationDescription": "SOFFID Identity Manager",
        "taskInstance": 1762656,
        "schemas": [
          "urn:soffid:com.soffid.iam.addons.bpm.common.RoleRequestInfo"
        ],
```

```
            "denied": false,
            "roleDescription": "Accounting Manager",
            "applicationName": "Container/Business 2/SOFFID"
          }
      ],
      "requesterName": "Soffid Administrator"
    },
    "processDefinition": 1762352,
    "description": "Approve ",
    "pooledActors": [
      "SOFFID_ADMIN"
    ],
    "priority": 3,
    "transitions": [
      "Rechazar",
      "Aceptar"
    ],
    "dummyTask": false,
    "processName": "Modificar permisos",
    "processId": 1762544,
    "blocking": true,
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/TaskInstance/1762656",
      "resourceType": "TaskInstance"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.TaskInstance"
    ],
    "name": "Approve",
    "create": "2021-03-30 19:57:35",
    "cancelled": false,
    "id": 1762656,
    "open": true,
    "signalling": true
}
```


Delete

In this case, delete operation will cancel the TaskInstace, but does not be deleted form database.

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

Request

```
DELETE - https://<your-domain>/soffid/webservice/scim2/v1/TaskInstance/1762656
```

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

SCIM Issue examples

Operations

This page shows the operations that can be performed for the issue object.

List all

Request

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

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "performedActions": "2023-06-09 07:17:25 admin Created\n2023-06-09 09:46:54 admin
Acknowledged\n",
         "acknowledged": "2023-06-09 09:46:54",
         "created": "2023-06-09 07:17:25",
         "hosts": [],
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/44656",
            "resourceType": "Issue"
         },
         "schemas": [
            "urn:soffid:com.soffid.iam.rc.api.Issue"
         ],
         "description": "Duplicated user bob bobm",
```

```
    "id": 44656,
    "type": "duplicated-user",
    "users": [
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "bob",
        "userId": 3941
      },
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "bobm",
        "userId": 3971
      }
    ],
    "status": "A"
  },
  {
    "acknowledged": "2023-06-09 08:55:49",
    "created": "2023-06-09 07:29:25",
    "hosts": [],
    "description": "Account etaylor@soffid has been locked",
    "solved": "2023-06-09 08:56:09",
    "type": "locked-account",
    "users": [
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.rc.api.IssueUser"
        ],
        "userName": "etaylor",
        "userId": 3821
      }
    ],
    "performedActions": "2023-06-09 07:29:25 $$INTERNAL$$ Created\n2023-06-09 08:49:49 admin User etaylor is disabled\n2023-06-09 08:55:09 admin The account etaylor has been locked\n2023-06-09 08:55:41 admin Notify pgarcia@soffid.com\n2023-06-09 08:55:49 admin Acknowledged\n2023-06-09 08:55:53 admin The
```

account etaylor has been unlocked\n2023-06-09 08:56:09 admin Solved\n",
"meta": {
"location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/44672",
"resourceType": "Issue"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Issue"
],
"id": 44672,
"account": {
"lastLogin": "2023-06-09 07:28:11",
"grantedRoles": [],
"description": "Elizabeth Taylor",
"type": "U",
"lastUpdated": "2023-06-09 08:56:07",
"ownerGroups": [],
"loginName": "etaylor",
"inheritNewPermissions": false,
"disabled": false,
"id": 4994,
"managerGroups": [],
"grantedGroups": [],
"lastPasswordSet": "2023-06-09 07:28:14",
"passwordExpiration": "2024-06-08 07:28:14",
"passwordPolicy": "I",
"accessLevel": "-",
"managerRoles": [],
"created": "2023-06-02 09:14:36",
"hasSnapshot": false,
"system": "soffid",
"ownerRoles": [],
"meta": {
"location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account/4994",
"resourceType": "Account"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Account"
],
"name": "etaylor",

```
      "managerUsers": [],
      "lastChange": "2023-06-09 08:55:53",
      "attributes": {},
      "status": "a",
      "ownerUsers": [
        "etaylor"
      ],
      "grantedUsers": []
    },
    "status": "S"
  },
  {
    "performedActions": "2023-06-14 06:56:42 admin Created\n",
    "created": "2023-06-14 06:56:42",
    "hosts": [],
    "meta": {
      "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/56710",
      "resourceType": "Issue"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Issue"
    ],
    "description": "Duplicated user cdarwin cmartin etaylor",
    "id": 56710,
    "type": "duplicated-user",
    "users": [
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "cdarwin",
        "userId": 4037
      },
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "cmartin",
        "userId": 3890
```

```
      },
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "etaylor",
        "userId": 3821
      }
    ],
    "status": "N"
  },
  {
    "performedActions": "2023-06-14 07:02:55 admin Created\n",
    "created": "2023-06-14 07:02:55",
    "hosts": [],
    "meta": {
      "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/56728",
      "resourceType": "Issue"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Issue"
    ],
    "description": "Duplicated user cdarwin cmartin etaylor",
    "id": 56728,
    "type": "duplicated-user",
    "users": [
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "cdarwin",
        "userId": 4037
      },
      {
        "schemas": [
          "urn:soffid:com.soffid.iam.api.IssueUser"
        ],
        "userName": "cmartin",
        "userId": 3890
```

```
            },
            {
               "schemas": [
                  "urn:soffid:com.soffid.iam.api.IssueUser"
               ],
               "userName": "etaylor",
               "userId": 3821
            }
         ],
         "status": "N"
      }
   ]
}
```


List by filter

List all Issues 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/Issue?filter=type co "locked"
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "acknowledged": "2023-06-09 08:55:49",
         "created": "2023-06-09 07:29:25",
         "hosts": [],
```

```
"description": "Account etaylor@soffid has been locked",
"solved": "2023-06-09 08:56:09",
"type": "locked-account",
"users": [
  {
    "schemas": [
      "urn:soffid:com.soffid.iam.rc.api.IssueUser"
    ],
    "userName": "etaylor",
    "userId": 3821
  }
],
"performedActions": "2023-06-09 07:29:25 $$INTERNAL$$ Created\n2023-06-09 08:49:49 admin User etaylor is disabled\n2023-06-09 08:55:09 admin The account etaylor has been locked\n2023-06-09 08:55:41 admin Notify pgarcia@soffid.com\n2023-06-09 08:55:49 admin Acknowledged\n2023-06-09 08:55:53 admin The account etaylor has been unlocked\n2023-06-09 08:56:09 admin Solved\n",
"meta": {
  "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/44672",
  "resourceType": "Issue"
},
"schemas": [
  "urn:soffid:com.soffid.iam.api.Issue"
],
"id": 44672,
"account": {
  "lastLogin": "2023-06-09 07:28:11",
  "grantedRoles": [],
  "description": "Elizabeth Taylor",
  "type": "U",
  "lastUpdated": "2023-06-09 08:56:07",
  "ownerGroups": [],
  "loginName": "etaylor",
  "inheritNewPermissions": false,
  "disabled": false,
  "id": 4994,
  "managerGroups": [],
  "grantedGroups": [],
  "lastPasswordSet": "2023-06-09 07:28:14",
  "passwordExpiration": "2024-06-08 07:28:14",
```

```
            "passwordPolicy": "I",
            "accessLevel": "-",
            "managerRoles": [],
            "created": "2023-06-02 09:14:36",
            "hasSnapshot": false,
            "system": "soffid",
            "ownerRoles": [],
            "meta": {
               "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account/4994",
               "resourceType": "Account"
            },
            "schemas": [
               "urn:soffid:com.soffid.iam.rc.api.Account"
            ],
            "name": "etaylor",
            "managerUsers": [],
            "lastChange": "2023-06-09 08:55:53",
            "attributes": {},
            "status": "a",
            "ownerUsers": [
               "etaylor"
            ],
            "grantedUsers": []
         },
         "status": "S"
      }
   ]
}
```


Query by id

Query an Issue by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Issue/44656
```

Response 200 OK

```
{
   "performedActions": "2023-06-09 07:17:25 admin Created\n2023-06-09 09:46:54 admin Acknowledged\n",
   "acknowledged": "2023-06-09 09:46:54",
   "created": "2023-06-09 07:17:25",
   "hosts": [],
   "meta": {
      "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/44656",
      "resourceType": "Issue"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.api.rc.Issue"
   ],
   "description": "Duplicated user bob bobm",
   "id": 44656,
   "type": "duplicated-user",
   "users": [
      {
         "schemas": [
            "urn:soffid:com.soffid.iam.rc.api.IssueUser"
         ],
         "userName": "bob",
         "userId": 3941
      },
      {
         "schemas": [
            "urn:soffid:com.soffid.iam.rc.api.IssueUser"
         ],
         "userName": "bobm",
         "userId": 3971
      }
   ],
   "status": "A"
}
```


Create

Request

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

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.rc.api.Issue"
   ],
   "type" : "duplicated-user",
   "status" : "N",
   "created" : "2023-06-19 15:30:00",
   "users" : [{
            "schemas": [
               "urn:soffid:com.soffid.iam.rc.api.IssueUser"
            ],
            "userName": "david.gomez",
            "userId": 4630
         },
         {
            "schemas": [
               "urn:soffid:com.soffid.iam.rc.api.IssueUser"
            ],
            "userName": "pepe.garcia",
            "userId": 4640
         }]
}
```


Response 201 Created


```
{
  "requester": "admin@soffid",
  "updatedBy": "admin",
  "acknowledged": "2026-03-06 13:26:17",
  "hosts": [],
  "created": "2026-03-06 13:26:17.013",
  "ip": "172.19.0.1",
  "description": "Duplicated user david.gomez pepe.garcia",
  "updatedOn": "2026-03-06 13:26:17.018",
  "type": "duplicated-user",
  "browsers": [],
  "users": [
    {
```

```
      "schemas": [
        "urn:soffid:com.soffid.iam.rc.api.IssueUser"
      ],
      "action": "K",
      "userName": "david.gomez",
      "userId": 4630
    },
    {
      "schemas": [
        "urn:soffid:com.soffid.iam.rc.api.IssueUser"
      ],
      "action": "K",
      "userName": "pepe.garcia",
      "userId": 4640
    }
  ],
  "actor": "SOFFID_ADMIN@soffid",
  "number": 1,
  "performedActions": "2026-03-06 13:26:17 admin Created\n",
  "times": 1,
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/Issue/24589",
    "resourceType": "Issue"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.rc.api.Issue"
  ],
  "id": 24589,
  "status": "N"
}
```


Update partial

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

Request

```
PATCH https://<your-domain>/soffid/webservice/scim2/v1/Issue/169336
```

JSON

```
{
   "Operations": [
      {
         "op": "replace",
         "path": "status",
         "value": "A"
      }
   ]
}
```


Response 200 OK


```
{
   "performedActions": "2023-06-21 08:54:04 admin Created\n2023-06-21 08:58:59 admin Acknowledged\n",
   "acknowledged": "2023-06-21 08:58:59.605",
   "created": "2023-06-21 08:54:04",
   "hosts": [],
   "meta": {
      "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue/169336",
      "resourceType": "Issue"
   },
   "schemas": [
      "urn:soffid:com.soffid.iam.rc.api.Issue"
   ],
   "description": "Duplicated user bobm bob",
   "id": 169336,
   "type": "duplicated-user",
   "users": [
      {
         "schemas": [
            "urn:soffid:com.soffid.iam.rc.api.IssueUser"
         ],
         "userName": "bobm",
         "userId": 3971
      },
      {
         "schemas": [
            "urn:soffid:com.soffid.iam.rc.api.IssueUser"
         ],
```

```
        "userName": "bob",
        "userId": 3941
      }
   ],
   "status": "A"
}
```


Update all

This operation replaces all values in the Issues.

- Note that the attribute id is required to confirm that the resource "...Issue/<id>" is the same that the JSON Issue.
- Note that all the attributes not included in the request will be cleared in the Issue 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 https://<your-domain>/soffid/webservice/scim2/v1/Issue/169336
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.bpm.api.rc.Issue"
   ],
   "requester": "ckelp",
   "type": "ANOMALY",
   "description": "Suspicious login activity detected",
   "times": 1,
   "status": "A",
   "system": "soffid",
   "ip": "192.168.1.100",
   "country": "ES",
   "account": "ckelp",
   "loginName": "ckelp",
   "htmlDescription": "<p>Suspicious login activity detected</p>",
   "actor": "ckelp",
```

```
  "users": [],
  "hosts": [],
  "browsers": []
}
```


Response 200 OK


```
{
 "requester": "admin@soffid",
 "updatedBy": "admin",
 "acknowledged": "2026-03-06 13:36:04.859",
 "hosts": [],
 "created": "2026-03-06 13:26:17",
 "ip": "172.19.0.1",
 "description": "Duplicated user david.gomez pepe.garcia",
 "updatedOn": "2026-03-06 13:36:04.859",
 "type": "duplicated-user",
 "browsers": [],
 "users": [
  {
   "schemas": [
    "urn:soffid:com.soffid.iam.rc.api.IssueUser"
   ],
   "action": "K",
   "userName": "david.gomez",
   "userId": 4630
  },
  {
   "schemas": [
    "urn:soffid:com.soffid.iam.rc.api.IssueUser"
   ],
   "action": "K",
   "userName": "pepe.garcia",
   "userId": 4640
  }
 ],
 "actor": "SOFFID_ADMIN@soffid",
 "number": 1,
 "performedActions": "2026-03-06 13:26:17 admin Created\n2026-03-06 13:36:04 admin Acknowledged\n",
 "times": 1,
```

```
  "meta": {
    "location": "https://console.soffid4.local:8443/soffid/webservice/scim2/v1/Issue/24589",
    "resourceType": "Issue"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.rc.api.Issue"
  ],
  "id": 24589,
  "status": "A"
}
```


Delete

This operation is not allowed.

Error response

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