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

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