

# SCIM User examples

## Operations

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

### List all

#### Request

```
GET http://<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+eq+'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+eq+'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+eq+'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 http://<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+false",
          "accounts":
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+eq+'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 http://<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+false",
      "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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 http://<your-domain>/soffid/webservice/scim2/v1/User

### JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.User"
  ],
  "userName": "ckelp",
  "firstName": "Cas",
  "lastName": "Kelp",
  "userType": "I",
  "primaryGroup": "world",
  "homeServer": "null",
  "mailServer": "null",
  "profileServer": "null",
  "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 http://<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+false",
      "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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.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": {
  "gepidId": "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 http://<your-domain>/soffid/webservice/scim2/v1/User/1976590
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.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+false",
      "accounts":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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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