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

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