

---

# 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 http://<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 http://<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+accounts.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+enabled+eq+true",
      "users":
        "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+1587766+or+accounts.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 http://<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 http://<your-domain>/soffid/webservice/scim2/v1/Account

### JSON

```
{  
  "schemas": ["urn:soffid:com.soffid.iam.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.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 http://<your-domain>/soffid/webservice/scim2/v1/Account/15455
```

## JSON

### Option 1

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.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.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+and+enabled+eq+true",
    "users":
"http://demolab.soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=accountAccess.account.id+eq+5366314+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.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 http://<your-omain>/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 information about error response visit <https://bookstack.woffid.com/link/116#bkmrk-error-response>

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