Textual Index

Introduction

A textual index is a data structure used in database systems to facilitate efficient search and retrieval of text-based information. It is designed to handle large volumes of textual data and provide quick access to relevant documents or records based on specified search criteria.

When a search query is performed on a database with a textual index, the index is queried to identify relevant documents or records that match the search terms. The index provides information about the location and relevance of the documents, which enables the database system to retrieve and present the results in a timely manner.

Textual indexes play a crucial role in enabling efficient search and retrieval of textual information in databases, making them an essential component in applications that handle large volumes of textual data, such as search engines, content management systems, and document repositories.

> Soffid incorporates the textual index from version 3.5 using the Apache Lucene library.

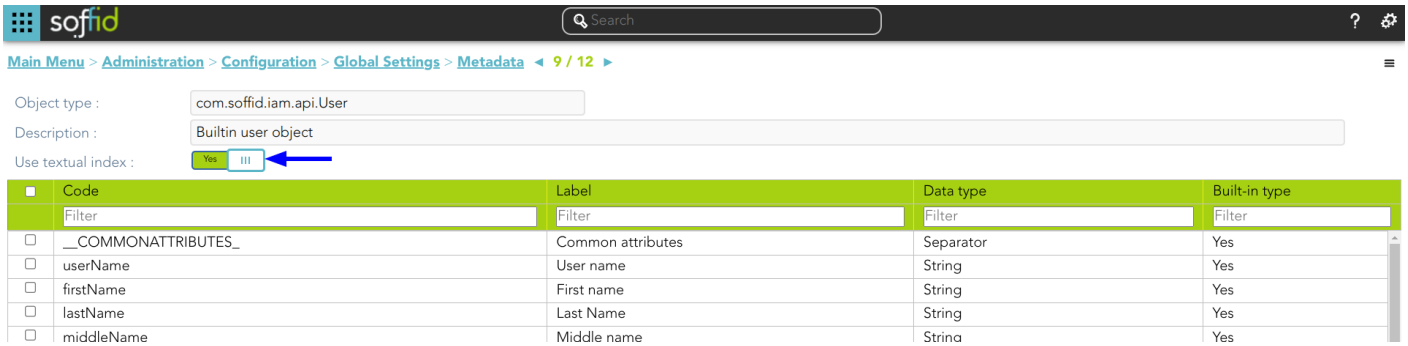
Index configuration

Soffid allows you to configure the objects you want to use in the textual index. To do this, you must select the proper object from the metadata page and enable the option "Use textual index". Once you enable this option, the textual index will be applied to the attributes of this object that have been included in the quick search.

> Notice, from the user interface, it is not interpreted as a Lucene expression.

Example

1. Enable the "Use textual index" on the User object and save the changes.



2. Check the attributes included in the quick search.

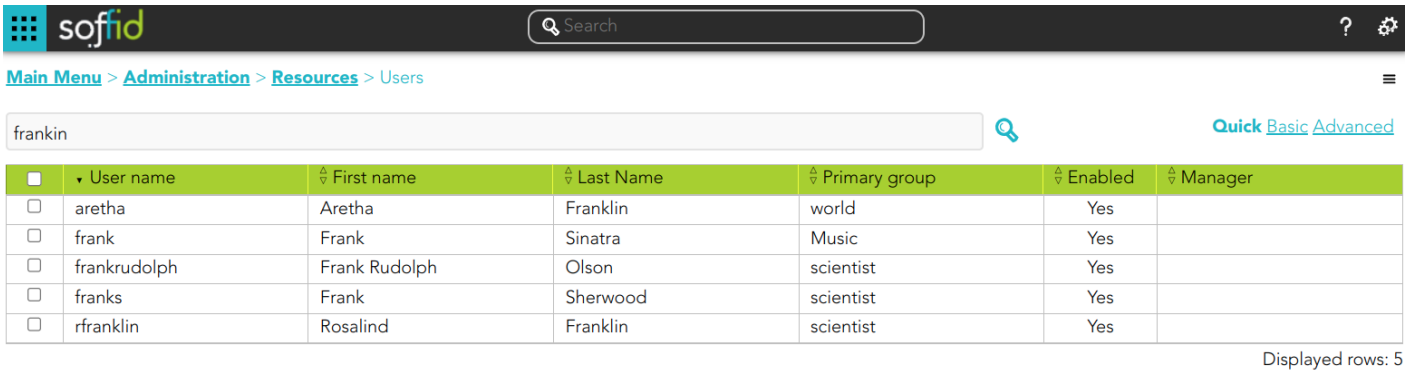


How does the user interface search work?

Once you have configured the textual index for a specific object, Soffid will apply it when you use Quick Search on this object.

Example 1

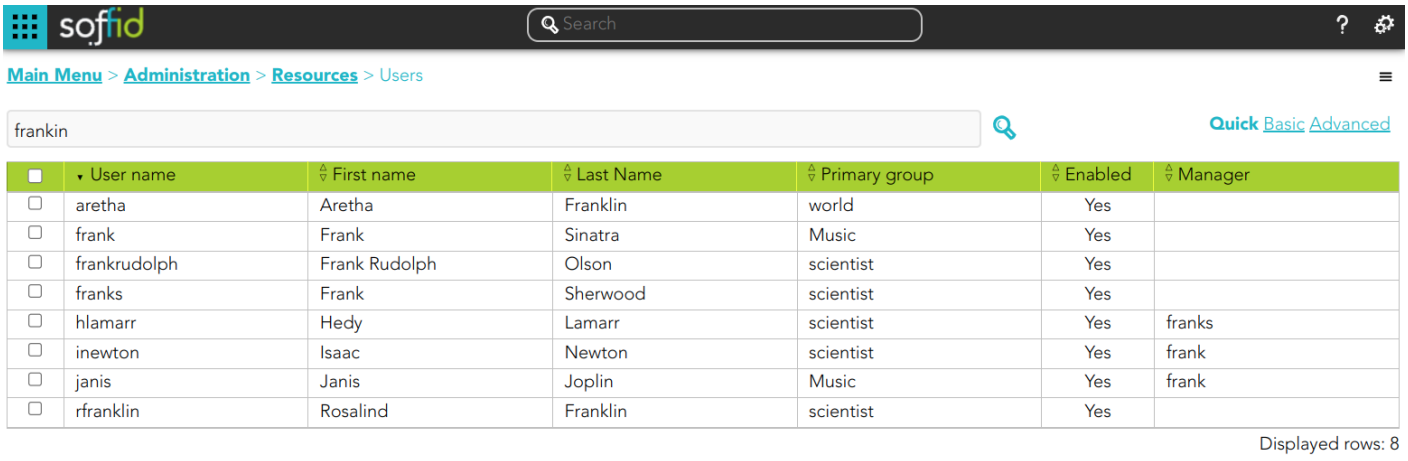
1. If you search for users using the text "*frankin*", then Soffid will display all the users whose userName, firstName, lastName, or middleName match, to some degree, with the typed text following the textual index rules.



2. If you include the attribute manager in the quick search:

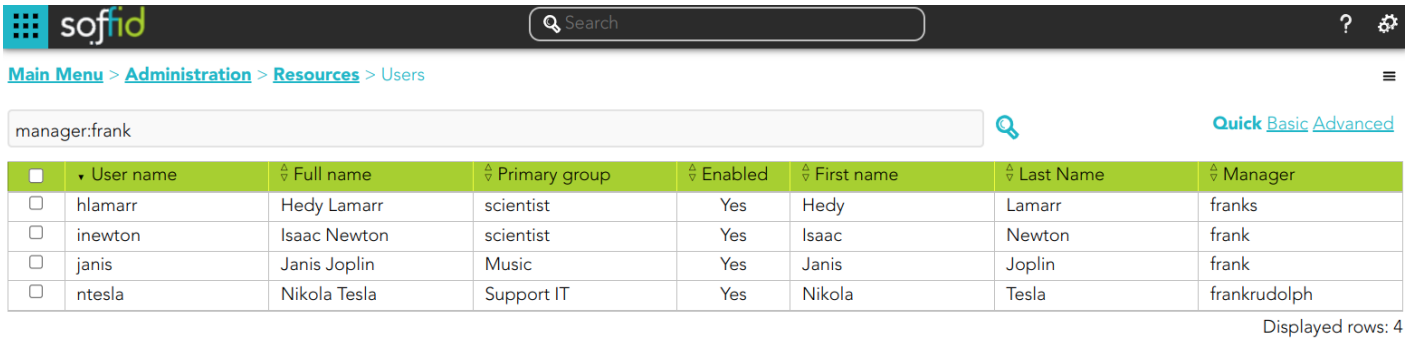


3. And search for "*frankin*", then Soffid will display all the users whose userName, firstName, lastName, middleName, or manager match with the typed text following the textual index rules.



Example 2

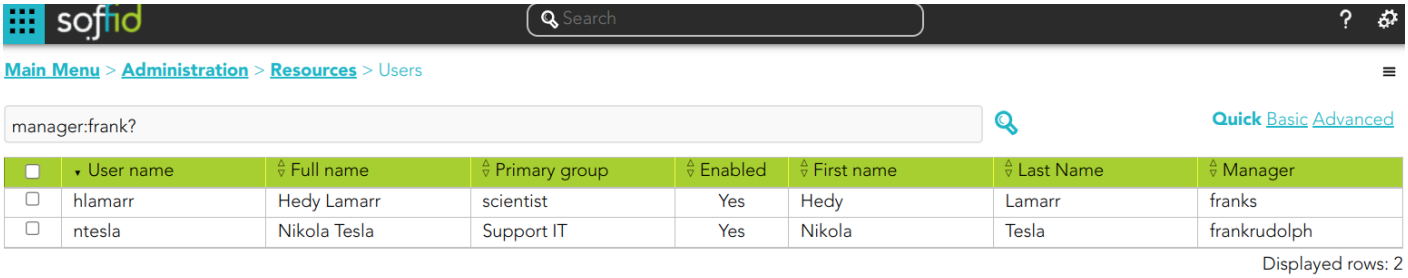
1. If you search for users using the text "manager:frank" Soffid will display all users whose manager matches the text "frank".



User name	Full name	Primary group	Enabled	First name	Last Name	Manager
hlamarr	Hedy Lamarr	scientist	Yes	Hedy	Lamarr	franks
inewton	Isaac Newton	scientist	Yes	Isaac	Newton	frank
janis	Janis Joplin	Music	Yes	Janis	Joplin	frank
ntesla	Nikola Tesla	Support IT	Yes	Nikola	Tesla	frankrudolph

Displayed rows: 4

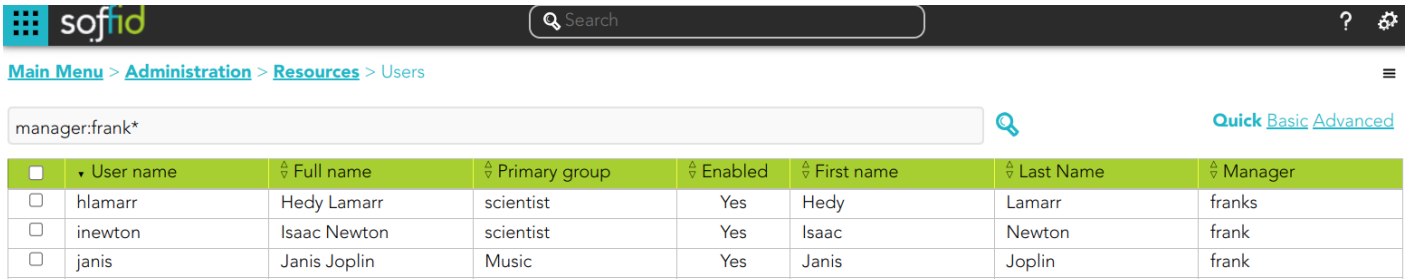
Notice the difference by searching "manager:frank?":



User name	Full name	Primary group	Enabled	First name	Last Name	Manager
hlamarr	Hedy Lamarr	scientist	Yes	Hedy	Lamarr	franks
ntesla	Nikola Tesla	Support IT	Yes	Nikola	Tesla	frankrudolph

Displayed rows: 2

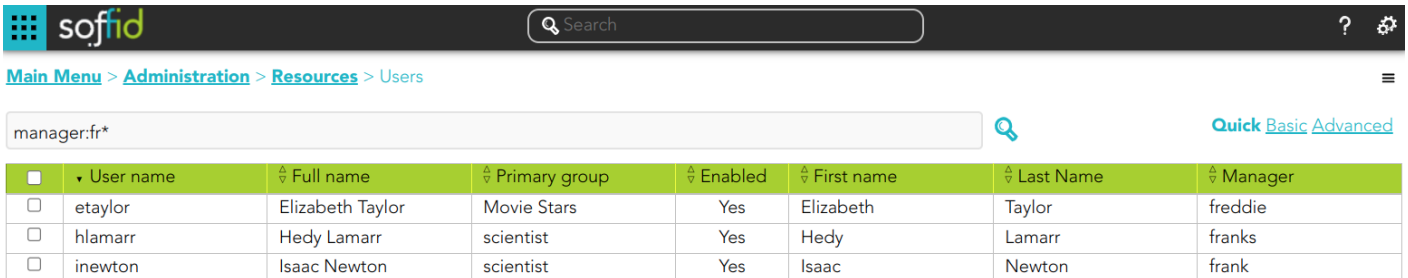
And by searching "manager:frank*":



User name	Full name	Primary group	Enabled	First name	Last Name	Manager
hlamarr	Hedy Lamarr	scientist	Yes	Hedy	Lamarr	franks
inewton	Isaac Newton	scientist	Yes	Isaac	Newton	frank
janis	Janis Joplin	Music	Yes	Janis	Joplin	frank
ntesla	Nikola Tesla	Support IT	Yes	Nikola	Tesla	frankrudolph

Displayed rows: 4

And also by searching "manager:fr*"

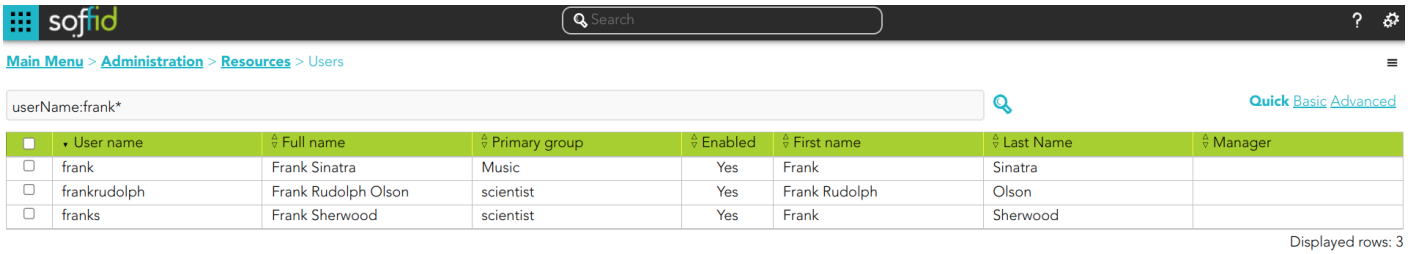


User name	Full name	Primary group	Enabled	First name	Last Name	Manager
etaylor	Elizabeth Taylor	Movie Stars	Yes	Elizabeth	Taylor	freddie
hlamarr	Hedy Lamarr	scientist	Yes	Hedy	Lamarr	franks
inewton	Isaac Newton	scientist	Yes	Isaac	Newton	frank
janis	Janis Joplin	Music	Yes	Janis	Joplin	frank
ntesla	Nikola Tesla	Support IT	Yes	Nikola	Tesla	frankrudolph

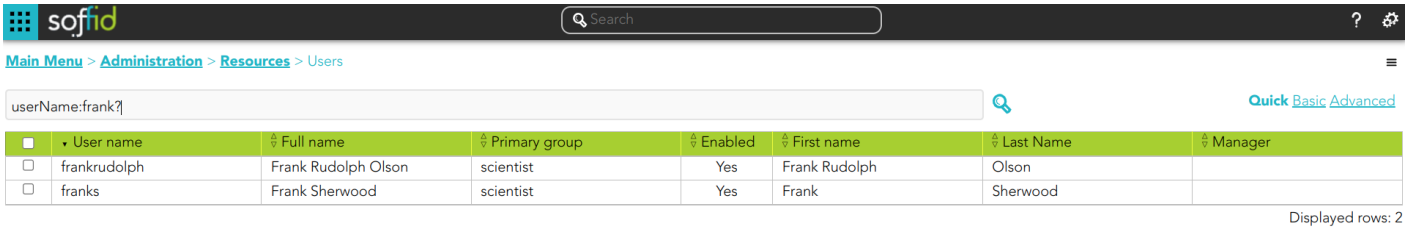
Displayed rows: 5

Example 3

1. If you search for users using the text "userName:frank*" Soffid will display all users whose user name matches the text "frank" followed by any other text.

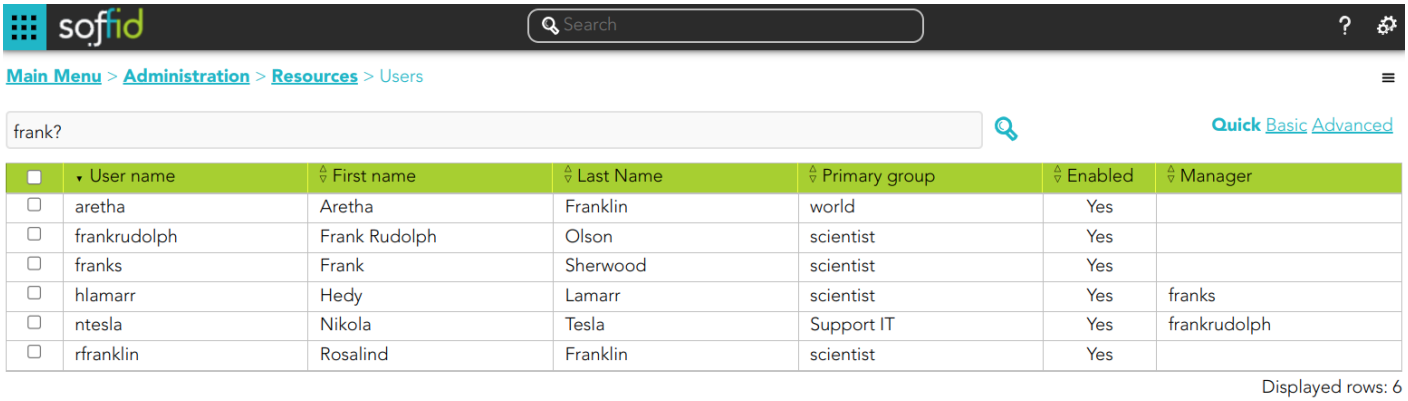


Notice the difference by searching the text "userName:frank?":

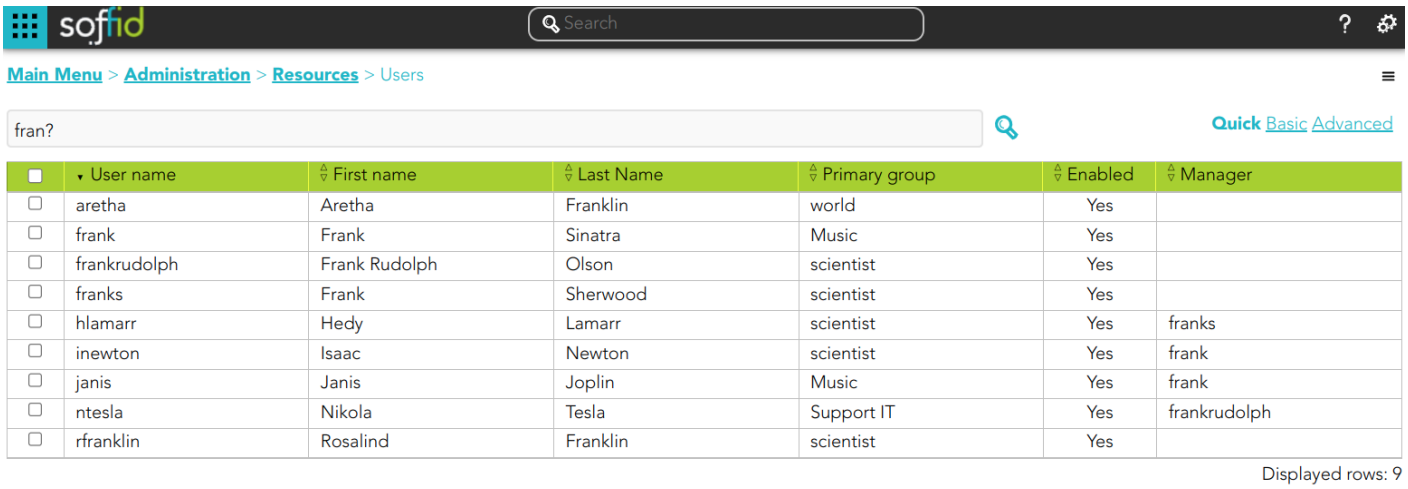


Example 4

1. If you search for users using the text "frank" plus the wildcard "?", Soffid will display all users whose userName, firstName, lastName, middleName, or manager match the typed text as long as it has variation in the characters where the wildcard has been used.



Notice the difference by searching "fran?"



How does the SCIM interface search work?

1. First of all, you must install the SCIM addon in Soffid.

> For more information, you can visit the How to install SCIM in Soffid? page.

2. Then, you can use any REST client to test and consume our SCIM REST web service.

> For more information, you can visit the Testing tool page.

3. Finally, you can start to use the SCIM interface search by using Lucene syntaxis

Lucene syntaxis

> Please browse the standard specifications in this link: https://bookstack.soffid.com/books/soffid-3-reference-guide/page/lucene-query-parser-syntax

Term Modifiers

Lucene supports modifying query terms to provide a wide range of search options. Here are the most common ones:

Wildcard Searches	To perform a single character wildcard search use the "?" symbol. To perform a multiple character wildcard search use the "*" symbol.
Regular Expression Searches	Lucene supports regular expression searches matching a pattern between forward slashes "/"

Fuzzy Searches	To do a fuzzy search use the tilde, "~", symbol at the end of a Single word Term Soffid Console <= 3.4 version ~0.8: stricter search ~0.1: more lax search Soffid Console > 3.4 version An additional (optional) parameter can specify the maximum number of edits allowed. The value is between 0 and 2.
Range Searches	Range Queries allow one to match documents whose field(s) values are between the lower and upper bound specified by the Range Query
Boosting a Term	To boost a term use the caret, "^", symbol with a boost factor (a number) at the end of the term you are searching. The higher the boost factor, the more relevant the term will be.

Boolean Operators

OR	The OR operator links two terms and finds a matching document if either of the terms exist in a document. This is equivalent to a union using sets
AND	The AND operator matches documents where both terms exist anywhere in the text of a single document. This is equivalent to an intersection using sets.
+	The "+" or required operator requires that the term after the "+" symbol exist somewhere in a the field of a single document.
NOT	The NOT operator excludes documents that contain the term after NOT. This is equivalent to a difference using sets.
-	The "-" or prohibit operator excludes documents that contain the term after the "-" symbol.

Escaping Special Characters

Lucene supports escaping special characters that are part of the query syntax.

The current list of special characters are + - && || ! ( ) { } [ ] ^ " ~ * ? : \ /

Examples

Example 1

1. Use the wildcard search

1.1. *

Request

```
GET http://<domain>/webservice/scim2/v1/User?textFilter=fran*
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Franklin",
         "createdByUser": "ActiveDirectory",
         "fullName": "Rosalind Franklin",
         "active": true,
         "userName": "rfranklin",
         "mailAlias": "",
         "firstName": "Rosalind",
         "createdDate": "2023-08-08 14:26:14",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'rfranklin'+and+enabled+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'rfranklin'+and+disabled+eq+false",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'rfranklin'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'rfranklin'",
               "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862/effectiveGrants"
```

```
            },
            "resourceType": "User"
         },
         "modifiedByUser": "ActiveDirectory",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2023-08-08 14:26:14",
         "attributes": {},
         "id": 2862,
         "userType": "I",
         "primaryGroupDescription": "scientist",
         "primaryGroup": "scientist"
      },
      {
         "lastName": "Franklin",
         "createdByUser": "ActiveDirectory",
         "fullName": "Aretha Franklin",
         "active": true,
         "userName": "aretha",
         "mailAlias": "",
         "firstName": "Aretha",
         "createdDate": "2023-09-06 13:12:54",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'aretha'+and+enabled
+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'aretha'+and+disabled+eq+f
alse",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'aretha'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'aretha'",
               "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397/effectiveGrants"
```

```
            },
            "resourceType": "User"
         },
         "modifiedByUser": "ActiveDirectory",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2023-09-06 13:12:54",
         "attributes": {},
         "id": 276397,
         "userType": "I",
         "primaryGroupDescription": "World",
         "primaryGroup": "world"
      },
      {
         "lastName": "Sinatra",
         "createdByUser": "ActiveDirectory",
         "fullName": "Frank Sinatra",
         "active": true,
         "userName": "frank",
         "mailAlias": "",
         "firstName": "Frank",
         "createdDate": "2023-09-06 13:12:54",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
               "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
```

```
            },
            "resourceType": "User"
         },
         "modifiedByUser": "ActiveDirectory",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2023-09-06 13:12:55",
         "attributes": {},
         "id": 276435,
         "userType": "I",
         "primaryGroupDescription": "Music",
         "primaryGroup": "Music"
      },
      {
         "lastName": "Sherwood",
         "createdByUser": "pgarcia",
         "fullName": "Frank Sherwood",
         "active": true,
         "userName": "franks",
         "mailAlias": "",
         "firstName": "Frank",
         "createdDate": "2023-10-05 15:32:40",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'franks'+and+enabled
+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'franks'+and+disabled+eq+f
alse",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'franks'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'franks'",
               "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644/effectiveGrants"
```

```
            },
            "resourceType": "User"
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-10-05 15:32:40",
        "attributes": {},
        "id": 432644,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
    }
  ]
}
```


1.2. ?

Request

```
http://<domain>/webservice/scim2/v1/User?textFilter=fran?
```

Response 200 OK


```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 2,
  "startIndex": 1,
  "Resources": [
    {
      "lastName": "Sinatra",
      "createdByUser": "ActiveDirectory",
      "fullName": "Frank Sinatra",
      "active": true,
      "userName": "frank",
      "mailAlias": "",
      "firstName": "Frank",
      "createdDate": "2023-09-06 13:12:54",
```

```
        "multiSession": true,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-09-06 13:12:55",
        "attributes": {},
        "id": 276435,
        "userType": "I",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
    },
    {
        "lastName": "Sherwood",
        "createdByUser": "pgarcia",
        "fullName": "Frank Sherwood",
        "active": true,
        "userName": "franks",
        "mailAlias": "",
        "firstName": "Frank",
        "createdDate": "2023-10-05 15:32:40",
```

```
        "multiSession": false,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'franks'+and+enabled
+eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'franks'+and+disabled+eq+f
alse",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'franks'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'franks'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-10-05 15:32:40",
        "attributes": {},
        "id": 432644,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
    }
  ]
}
```


Example 2

1. Use the wildcard search in a specific attribute

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=userName:frank
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Sinatra",
         "profileServer": "Void host",
         "createdByUser": "admin",
         "fullName": "Frankaaa Sinatra",
         "active": true,
         "userName": "frank",
         "mailAlias": "",
         "mailServer": "Void host",
         "firstName": "Frankaaa",
         "emailAddress": "pgarcia@soffid.com",
         "mailDomain": "soffid.com",
         "createdDate": "2023-06-02 07:41:47",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/3910",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
               "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/3910/effectiveGrants"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "admin",
```

```
    "schemas": [
      "urn:soffid:com.soffid.iam.api.User"
    ],
    "modifiedDate": "2023-06-02 07:41:47",
    "attributes": {
      "picture":
"/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAoHCBYWFRgVFRYYGRgaGhkYGhgaGBoYGhoYHBkaGhgZGhgcIS4lHB4
rIRgYJjgmKy8xNTU1GiQ7QDs0Py40NTEBDAwMBgYGEAYGEDEdFh0xMTExMTExMTExMTExMTExMTExMTExM
TExMTExMTExMTExMTExMTExMf/AABEIAKgBKwMBIgACEQEDEQH/xAAcAAABBQEBAQAAAAAAAAAAA
ADAQIEBQYABwj/xABFEAACAQIDBAcECAQFAgcBAAABAgADEQQSIQUxQVEGEyJhcYGRMkKhsQcjUnKSwdHwFGKCo
iQzY7LhU3NDZIOTo8LxFf/EABQBAQAAAAAAAAAAAAAAAAD/xAAUEQEAAAAAAAAAAAAAAAAAAA/9oADAM
BAAIRAxEAPwDeqIVZwEcBAQQiCIBHqIDgItogjwICWiqIto4CAqiZn6ScnNnwDn7yAcp/3TUKJX9cNnWgTi44n8zz3D
+k+4dtd79iR/4dtd79iR/4dtd79iR/
```

Ne+Q8Hh6yEAG/jrL6i1S3bbTugYXaXQ1kVnDLZbm2rE6nyGhHpM9sZiuJS2mtp6ltrFKtJgd1tTPLqFT65SN94HsuGfsA
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pNe6X9olTqUvrY6i54Wmqczp0ATiAnToH//2Q=="
        },
        "id": 3910,
        "userType": "I",
        "homeServer": "Void host",
        "shortName": "pgarcia",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
      }
  ]
}

Example 3

1. Use the Fuzzy Searches

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=fran~
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Sinatra",
         "createdByUser": "ActiveDirectory",
         "fullName": "Frank Sinatra",
         "active": true,
         "userName": "frank",
         "mailAlias": "",
         "firstName": "Frank",
         "createdDate": "2023-09-06 13:12:54",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
               "effectiveGrants":
```

```
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "ActiveDirectory",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2023-09-06 13:12:55",
         "attributes": {},
         "id": 276435,
         "userType": "I",
         "primaryGroupDescription": "Music",
         "primaryGroup": "Music"
      },
      {
         "lastName": "Sherwood",
         "createdByUser": "pgarcia",
         "fullName": "Frank Sherwood",
         "active": true,
         "userName": "franks",
         "mailAlias": "",
         "firstName": "Frank",
         "createdDate": "2023-10-05 15:32:40",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'franks'+and+enabled
+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'franks'+and+disabled+eq+f
alse",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'franks'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'franks'",
               "effectiveGrants":
```

```
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644/effectiveGrants"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "pgarcia",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
         ],
         "modifiedDate": "2023-10-05 15:32:40",
         "attributes": {},
         "id": 432644,
         "userType": "I",
         "primaryGroupDescription": "scientist",
         "primaryGroup": "scientist"
      }
   ]
}
```


2. Use the Fuzzy Searches: specify the maximum number of edits allowed

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=frankl~2
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 4,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Franklin",
         "createdByUser": "ActiveDirectory",
         "fullName": "Rosalind Franklin",
         "active": true,
         "userName": "rfranklin",
         "mailAlias": "",
         "firstName": "Rosalind",
```

```
        "createdDate": "2023-08-08 14:26:14",
        "multiSession": true,
        "meta": {
          "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862",
          "links": {
            "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'rfranklin'+and+enable
d+eq+true",
            "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'rfranklin'+and+disabled+eq
+false",
            "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'rfranklin'",
            "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'rfranklin'",
            "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862/effectiveGrants"
          },
          "resourceType": "User"
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
          "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-08-08 14:26:14",
        "attributes": {},
        "id": 2862,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
      },
      {
        "lastName": "Franklin",
        "createdByUser": "ActiveDirectory",
        "fullName": "Aretha Franklin",
        "active": true,
        "userName": "aretha",
        "mailAlias": "",
        "firstName": "Aretha",
        "createdDate": "2023-09-06 13:12:54",
```

```
        "multiSession": true,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'aretha'+and+enabled
+eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'aretha'+and+disabled+eq+f
alse",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'aretha'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'aretha'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-09-06 13:12:54",
        "attributes": {},
        "id": 276397,
        "userType": "I",
        "primaryGroupDescription": "World",
        "primaryGroup": "world"
    },
    {
        "lastName": "Sinatra",
        "createdByUser": "ActiveDirectory",
        "fullName": "Frank Sinatra",
        "active": true,
        "userName": "frank",
        "mailAlias": "",
        "firstName": "Frank",
        "createdDate": "2023-09-06 13:12:54",
```

```
        "multiSession": true,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-09-06 13:12:55",
        "attributes": {},
        "id": 276435,
        "userType": "I",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
    },
    {
        "lastName": "Sherwood",
        "createdByUser": "pgarcia",
        "fullName": "Frank Sherwood",
        "active": true,
        "userName": "franks",
        "mailAlias": "",
        "firstName": "Frank",
        "createdDate": "2023-10-05 15:32:40",
```

```
        "multiSession": false,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'franks'+and+enabled
+eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'franks'+and+disabled+eq+f
alse",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'franks'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'franks'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-10-05 15:32:40",
        "attributes": {},
        "id": 432644,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
    }
  ]
}
```


Example 4

1. Use the boolean operator AND

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=fran~ AND Sinatra
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Sinatra",
         "profileServer": "Void host",
         "createdByUser": "admin",
         "fullName": "Frankaaa Sinatra",
         "active": true,
         "userName": "frank",
         "mailAlias": "",
         "mailServer": "Void host",
         "firstName": "Frankaaa",
         "emailAddress": "pgarcia@soffid.com",
         "mailDomain": "soffid.com",
         "createdDate": "2023-06-02 07:41:47",
         "multiSession": false,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/3910",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
               "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/3910/effectiveGrants"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "admin",
```

```
    "schemas": [
      "urn:soffid:com.soffid.iam.api.User"
    ],
    "modifiedDate": "2023-06-02 07:41:47",
    "attributes": {
      "picture":
"/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAoHCBYWFRgVFRYYGRgaGhkYGhgaGBoYGhoYHBkaGhgZGhgcIS4lHB4
rIRgYJjgmKy8xNTU1GiQ7QDs0Py40NTEBDAwMBgYGEAYGEDEdFh0xMTExMTExMTExMTExMTExMTExMTExM
TExMTExMTExMTExMTExMTExMf/AABEIAKgBKwMBIgACEQEDEQH/xAAcAAABBQEBAQAAAAAAAAAAA
ADAQIEBQYABwj/xABFEAACAQIDBAcECAQFAgcBAAABAgADEQQSIQUxQVEGEyJhcYGRMkKhsQcjUnKSwdHwFGKCo
iQzY7LhU3NDZIOTo8LxFf/EABQBAQAAAAAAAAAAAAAAAAD/xAAUEQEAAAAAAAAAAAAAAAAAAA/9oADAM
BAAIRAxEAPwDeqIVZwEcBAQQiCIBHqIDgItogjwICWiqIto4CAqiZn6ScnNnwDn7yAcp/3TUKJX9cNnWgTi44n8zz3D
+k+4dtd79iR/4dtd79iR/4dtd79iR/
```

Ne+Q8Hh6yEAG/jrL6i1S3bbTugYXaXQ1kVnDLZbm2rE6nyGhHpM9sZiuJS2mtp6ltrFKtJgd1tTPLqFT65SN94HsuGfsA
nu+Ufhgt75QfLjluz+1RvxtHYapAj4/C02a5WxBBvoDod17eMqcZsNajEq+W9iylQwJGgOp0PfNTXoh1uN8rv4fnp++c
BcFhkw6ZFYm9yxvqzHS5t4W8pG/gUe5YAchbcJMTBrvzEwopiBUrg8h/4lZtB7dkbyQB56TQ4phaZjFDNUQd9/Td8bQI
229jI9RKiXznsuP5V7Kn0EvcEgzKo1ChU89Xb/avrCVqJVLKbE72tckHSwHG5Mk7OweRdd9txNyL6knmx4+AECTOvH
GNIgcTEvEvHgQODTs04iNJgKRBOsfnjWeBHcRto52gs8DUARwjVMdA4CLEvEJgLmiXnRsB0VYwQloDhDI0AIRTAxP0o
7PNqWJUaLenUI4Am6E+eYeYmDw9UBh37/Oe5VqSujI6hkYZWU6gg8JgdrdBEo5qwxGSiNSGQu4/lQgjOeAvr4wM1s
XH9VVKndfT4zd0cfmE80xrIxFSncKb2DEFhY21K6E7t3OXuwto7lJ8PlA2Ard3nO6y5sYGlVBj0S8Cg6Z4oCnkHEzE7Io5
6qjvvL/ppibsEXgLmM6G4G5LnU7v1gej7Jp2pnw/f78JGXeRLHZOnZ5iQ8ahDHxgHwb8L/v8AZkhwDvEqkdl13jjJlDFBh
A51I3QLsRvk1jIWJ4wKjG4nWU+GrMa6sqlramys1hY6kKCQOEtMYmhJ/fKO6LJ2qrfcF/xE/lAs8Iju2dxlA0VbWPiV90b9
DrrraTTFtOgDjSsIREgCyx6xWEEzQFcwbGNZ4wtAdeNaNBjjAG8FDNBWgaVlVYNBCCAtowwgEaywEnRLR0DgI4CII4
QHARwWcsKggKizyb6SuknWv1CEdWhsbnss/E2Gr24DcOPdrun3SL+HpGjTI611Nze2SnuJJ4E7v+bTxqtUN81wt9c7
DtH7icB+7wJWz3GQ7rF2IsLC4VLi3C418pJw1TIwPCQcC+dKiBizLaqtxY2HZf4FT5Q9B8ynmNfKBv8AAV8wUjWWO0t
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SJDV6tFeq17HIhZVPe268pNh7EZSHrs1j7oNvWbzB00RQEUKOAAAgOw1AhbuLE7xy7ryn2jQek3WJdk3uo3gfaHdLt6
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KK28i3jNVsJcOhzM6X7yJjqyEbxLXZWyKdXXPc8V9lh+vH1gennFUKlO6upAtexBt6RKG0aIATrVuObCZzBdEcPa+erry
cDcByGssE6MYNd6FiL+3UbXfwB8IFliNoU1FzUQD74/WQ6rmqv1Op0IY6KdeHP5QB2bhUYFKNPNwsoNvM6k+Mt6Lh
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kPeY8gPz3Cefbb6Q1MV2EJCfYp1aYc/eBBznuB8oLaWJq1nNR1qDk3ULUVV5atoB4CQEqVGPZGGxAPuZFV/JLIw8rwK
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7xv8u+Vl6Y4OfML+s4svBP7mMD1fauAXE0SgIv7dN+Aa2mv2Tx9eE87VGRzTcFWU5WB3gzRdCtsAr/AA7XBXVNd6
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A+0FN3XzXMPOSdh0cqAdwndKCwoO6i7IpcDmV7VvO0Dzg0kVsl70xZM3PC4jWm39Dnfwgu0wdH9tlI3X/xOGNhod
5en63hCiEZfcQ5Cf8AyuJ7VNv6HIgqrsCKje2pV3H+rQcUq/4kZWgM2btIJUTEU1C9pespjQB7WLIPsuuYW4G3dPUetD
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0itHgwSiFUQHrDoINU4zGdIek3WXo4c3QGzuC/a5gdWpIXzF/DeFztjpMlO6Uu2/wBoK7IvgUUhjMJjHaqxLujltSr1alIn8Y
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PdEZFQK9xlL5M6B8PURt5zpqmnd6wjJUc5Hb/E02z0yQt6iWuAHHtEAZhqQdYA8QV6tTmaphnOVs4+sovpoDztqOB
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dsb9zCBncSuEX2RWfvZkXX+mV75T7FEkcNWf8psHbEnQYnDaaAhqY9Oxf4SsxeHrn28ZT8qxPwUAQKEdYNyZf6Lf7
o1jV4sB/Uo+XhCYvCoNTXVj3Bm+N5DyJ9o+SwDU69VHV1cZlII7SnX9P1nqGx9pJWpo67yO0L+y3vCeTOE4FvSXHR
naYo1At+w5AJ3Wf3Tv47vTlA1u2+jpZzXw1g+903BjxZTuDcxuO/TjQrtipSbI6spG9WFj6H5zbUsRcSPjXUizqGHJgGHx
gRMN0ipMmrWPIx9Hb6D3x6yH/8AzqbGwo0/wLNBszohhaq2enlb7SGx9LW9RArK/SBdynOeAGvryjMCjM2dzdzcADc
o7uZ75dYno3h6JP1yIBpeoMgNt4DAENbQHdaRa+TIWoulWxCk03R+0QSq2U3zEA2HceUCsw1Km1Zmex6u1g1rDj
mN+QmgwLtUzCklkIKs9ygdTvAG8i3Ezz7Z2MV8QrkgrmtI4HS4J5ier7LqLYeEBlNcgHYJUb8upHlxHhrIfSHFKcJWdWB
C0y6nvWzD4iX7rxEwfTqkiISzMqVDcqpsrOpv6nTTja8Cg2p0g69FppfddzyEi7FT64abpV0WBHYBuxsANSeQ75othbJc
1O2xVtDlWxIHedwgegbLY2F5Kx9MMpHAjXzkbD0coGpPiZIfVbwPLsVhVpv1TaJrh3v/ANGsSabX5JUVvK0hKC5Abew
Gcfz64asfU03mk6V0Q532zjqSeRftU2Pg6IP6zM2WLHNuNTK/eDUU0qg7stVEPnAFg665ErFRmpDqcQm7rKT9gP4i+
U94Uy96A1slSpSvcG4/qT2GH3lLfglFtHDhLOvsYijUvbXtg3YfiVJJ2VieorLWJy5KjUqwIJ3lijEDXUZlvwtxgemMIwiSaRV1
V0IZWAII1BB3WIiMkCPaDtJBgvOBoEWFd1RS7sFUbyTYTp0DC9Iekj1wUpgrR5nKvWcLl3ITL/KA/eAZQI/86eeKcHw7C
hR6Tp0Agruuod7aC9PGo1rm2qtra54+sI6Z2am7KtVWVqfWU6ahxbRS677k6Xup011iToBqdRsz5UIc/wCdhXvapze
mTx423jeMwjKioEUhyaOb6up/4mHqb8j21tfXTxHI9OgdUZyzOFXrkU9fT9yvSPtOoGhuLE27mG6MWmjotLP2HzNh6j
WBR/foudwBNvPKdxnToFfhKN1KnCO7U2NNyr1PbXmoBANiDbviVqCa5sFWHi9QfNPGLOgVmKRPdwr373qH4BRKm
op4Ubd1nPznToAWY/YH4W/WNKnflsNxGtjOnQNv0Y2pnQKx7SaG/EcD+veJpKeEaoQBOnQNJs3YoWxI1/f6SZtnGU8J
h3rsAci3VLhc77kQHvNok6B5JT2saH+ISun8TUqVC6OjMtMPmcvncZb3IAABOp7xM2+LZ83ZA7CltWIZlv23Gt3OY2Jt
lvpaLOgDw+Is2lgBusLcbi/E8tZ6p0a2mHRTfXd5zp0DV0sRKjpdsX+ModWrhGDBwxGYXAIsRcEXvvE6dAotl9HqeDQ
sVNSqB7ZsLE7gg90X85Z7D2aEGdtXY3J8Yk6BdVGAtIuKJtp8506BjNvIztkU+32A2mj5WZCP60UTO583aC2LXcDgpq
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pNe6X9olTqUvrY6i54Wmqczp0ATiAnToH//2Q=="
        },
        "id": 3910,
        "userType": "l",
        "homeServer": "Void host",
        "shortName": "pgarcia",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
      }
  ]
}

2. Use the boolean operator +

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=fran~ +bacall
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 3,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Bacall",
         "createdByUser": "ActiveDirectory",
         "fullName": "Lauren Bacall",
         "active": true,
         "userName": "lbacall",
         "mailAlias": "",
         "firstName": "Lauren",
         "createdDate": "2023-08-08 14:26:14",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2844",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'lbacall'+and+enabled
+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'lbacall'+and+disabled+eq+f
alse",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'lbacall'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'lbacall'",
               "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2844/effectiveGrants"
            },
            "resourceType": "User"
```

```
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-08-22 17:34:07",
        "attributes": {},
        "id": 2844,
        "userType": "I",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
    },
    {
        "lastName": "Sinatra",
        "createdByUser": "ActiveDirectory",
        "fullName": "Frank Sinatra",
        "active": true,
        "userName": "frank",
        "mailAlias": "",
        "firstName": "Frank",
        "createdDate": "2023-09-06 13:12:54",
        "multiSession": true,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
            },
            "resourceType": "User"
```

```
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-09-06 13:12:55",
        "attributes": {},
        "id": 276435,
        "userType": "I",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
    },
    {
        "lastName": "Sherwood",
        "createdByUser": "pgarcia",
        "fullName": "Frank Sherwood",
        "active": true,
        "userName": "franks",
        "mailAlias": "",
        "firstName": "Frank",
        "createdDate": "2023-10-05 15:32:40",
        "multiSession": false,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'franks'+and+enabled
+eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'franks'+and+disabled+eq+f
alse",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'franks'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'franks'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/432644/effectiveGrants"
            },
            "resourceType": "User"
```

```
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-10-05 15:32:40",
        "attributes": {},
        "id": 432644,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
      }
   ]
}
```


3. Use the boolean operator -

Request

```
GET http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=fran~ -Sherwood
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 1,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Sinatra",
         "createdByUser": "ActiveDirectory",
         "fullName": "Frank Sinatra",
         "active": true,
         "userName": "frank",
         "mailAlias": "",
         "firstName": "Frank",
         "createdDate": "2023-09-06 13:12:54",
         "multiSession": true,
         "meta": {
```

```
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'frank'+and+enabled+
eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'frank'+and+disabled+eq+fal
se",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'frank'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'frank'",
                "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276435/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "ActiveDirectory",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
        ],
        "modifiedDate": "2023-09-06 13:12:55",
        "attributes": {},
        "id": 276435,
        "userType": "I",
        "primaryGroupDescription": "Music",
        "primaryGroup": "Music"
    }
  ]
}
```


Example 5

1. U

Request

```
GET
http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User?textFilter=(firstName:aretha OR firstName:Rosalind)
AND lastName:Franklin AND birthDate:1979-01-01
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "lastName": "Franklin",
         "createdByUser": "ActiveDirectory",
         "fullName": "Aretha Franklin",
         "active": true,
         "userName": "aretha",
         "mailAlias": "",
         "firstName": "Aretha",
         "createdDate": "2023-09-06 13:12:54",
         "multiSession": true,
         "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397",
            "links": {
               "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'aretha'+and+enabled
+eq+true",
               "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'aretha'+and+disabled+eq+f
alse",
               "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'aretha'",
               "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'aretha'",
               "effectiveGrants":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/276397/effectiveGrants"
            },
            "resourceType": "User"
         },
         "modifiedByUser": "pgarcia",
         "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
```

```
        ],
        "modifiedDate": "2023-10-05 16:02:40",
        "attributes": {
            "birthDate": "1979-01-01 00:00:00"
        },
        "id": 276397,
        "userType": "I",
        "primaryGroupDescription": "World",
        "primaryGroup": "world"
    },
    {
        "lastName": "Franklin",
        "createdByUser": "ActiveDirectory",
        "fullName": "Rosalind Franklin",
        "active": true,
        "userName": "rfranklin",
        "mailAlias": "",
        "firstName": "Rosalind",
        "createdDate": "2023-08-08 14:26:14",
        "multiSession": true,
        "meta": {
            "location": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862",
            "links": {
                "roleAccounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/RoleAccount?filter=userCode+eq+'rfranklin'+and+enable
d+eq+true",
                "groupUsers":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/GroupUser?filter=user+eq+'rfranklin'+and+disabled+eq
+false",
                "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+e
q+'rfranklin'",
                "issues":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Issue?filter=user.userName+eq+'rfranklin'",
                "effectiveGrants": "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/User/2862/effectiveGrants"
            },
            "resourceType": "User"
        },
        "modifiedByUser": "pgarcia",
        "schemas": [
            "urn:soffid:com.soffid.iam.api.User"
```

```
        ],
        "modifiedDate": "2023-10-05 16:03:02",
        "attributes": {
            "birthDate": "1979-01-01 00:00:00"
        },
        "id": 2862,
        "userType": "I",
        "primaryGroupDescription": "scientist",
        "primaryGroup": "scientist"
      }
   ]
}
```

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