
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 a textual index 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.

Image

Search in Soffid... ? SA

Main Menu > Configuration > Global Settings > Metadata 4 out of 11 < >

Builtin user object

com.soffid.iam.base.api.User

↻ 📄 Download CSV File 📁 Import ⋮

Expand all Collapse all 🔍

▼ Basics :

Object type * :

Description * : 🔍

Use textual index : Yes

Add new

<input type="checkbox"/>	Code	Label	Data type	Built-in type
<input checked="" type="checkbox"/>	__COMMONATTRIBUTES__	Common attributes	Separator	Yes
<input checked="" type="checkbox"/>	userName	User name	String	Yes
<input checked="" type="checkbox"/>	firstName	First name	String	Yes
<input checked="" type="checkbox"/>	lastName	Last Name	String	Yes
<input checked="" type="checkbox"/>	middleName	Middle name	String	Yes
<input checked="" type="checkbox"/>	fullName	Full name	String	Yes
<input checked="" type="checkbox"/>	__ORGANIZATION__	Organization	Separator	Yes
<input checked="" type="checkbox"/>	userType	Type	User type	Yes

Displayed rows: 26

↶ Undo 📄 Apply changes

ADV

2. Check the attributes if the option "**Included in the quick search**" is enabled.

Image

Attribute metadata

Builtin user object
com.soffid.iam.base.api.User

Delete 2 out of 26

Expand all Collapse all

Attribute type :

Code * :

Label :

Data type: :

User interface :

Letter case * :

User hint :

Description :

Required : Yes

Include in quick search : Yes

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.

Image

Main Menu > Resources > Users

Quick Basic Advanced

Add new

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Import



frankin



View

<input type="checkbox"/>	User name ^	Primary group	Enabled	Last Name	First name	Full name	E-Mail
<input type="checkbox"/>	aretha	world	Yes	Franklin	Aretha	Aretha Franklin	
<input type="checkbox"/>	frank	world	Yes	Sinatra	Frank	Frank Sinatra	
<input type="checkbox"/>	frankrudolph	world	Yes	Olson	Frank Rudolph	Frank Rudolp...	
<input type="checkbox"/>	franks	world	Yes	Sherwood	Frank	Frank Sherwood	
<input type="checkbox"/>	rfranklin	world	Yes	Franklin	Rosalind	Rosalind Fran...	

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

Image

The screenshot displays the configuration interface for an attribute metadata object. On the left, a sidebar contains navigation buttons for ISS, IGA, AM, PAM, and IRC. The main content area is titled 'Attribute metadata' and shows the configuration for a 'Builtin user object' with the class 'com.soffid.iam.base.api.User'. At the top right, there is a 'Delete' button and a list count of '27 out of 27'. Below this are 'Expand all' and 'Collapse all' buttons. The configuration is organized into two sections: 'Attribute type' and 'User interface'. Under 'Attribute type', the 'Code' field is set to 'manager', the 'Label' is 'Manager', and the 'Data type' is 'User'. Under 'User interface', the 'User hint' is 'User hint', the 'Description' is 'Description', 'Required' is set to 'No', and 'Include in quick search' is set to 'Yes'.

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.

Image

Quick Basic Advanced Add new Download CSV File Import ...

frankin View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	aretha	Franklin	Aretha	Yes	world	
<input type="checkbox"/>	frank	Sinatra	Frank	Yes	world	
<input type="checkbox"/>	frankrudolph	Olson	Frank Rudolph	Yes	world	
<input type="checkbox"/>	franks	Sherwood	Frank	Yes	world	
<input type="checkbox"/>	inewton	Newton	Isaac	Yes	consultants	frank
<input type="checkbox"/>	rfranklin	Franklin	Rosalind	Yes	world	

Example 2

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

Image

Main Menu > Resources > Users

Quick Basic Advanced Add new Download CSV File Import ...

manager:frank View


<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph
<input type="checkbox"/>	inewton	Newton	Isaac	Yes	consultants	frank

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

Image

Main Menu > Resources > Users

Quick Basic Advanced Add new Download CSV File Import ...

manager:frank?  View


<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph

And by searching "manager:frank*":

Image

Main Menu > Resources > Users

Quick Basic Advanced Add new Download CSV File Import ...

manager:frank*  View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph
<input type="checkbox"/>	inewton	Newton	Isaac	Yes	consultants	frank

And also by searching "manager:fr*"

Image

Quick Basic Advanced

Add new

Download CSV File

Import

...

manager:fr*



View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph
<input type="checkbox"/>	inewton	Newton	Isaac	Yes	consultants	frank

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.

Image

Quick Basic Advanced

Add new

Download CSV File

Import

...

userName:frank*



View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	frank	Sinatra	Frank	Yes	world	
<input type="checkbox"/>	frankrudolph	Olson	Frank Rudolph	Yes	world	
<input type="checkbox"/>	franks	Sherwood	Frank	Yes	world	

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

Image

Quick Basic Advanced Add new Download CSV File Import ...

userName:frank? View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	frankrudolph	Olson	Frank Rudolph	Yes	world	
<input type="checkbox"/>	franks	Sherwood	Frank	Yes	world	

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.

Image

Main Menu > Resources > Users

Quick Basic Advanced Add new Download CSV File Import ...

frank? View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	aretha	Franklin	Aretha	Yes	world	
<input type="checkbox"/>	frankrudolph	Olson	Frank Rudolph	Yes	world	
<input type="checkbox"/>	franks	Sherwood	Frank	Yes	world	
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph
<input type="checkbox"/>	rfranklin	Franklin	Rosalind	Yes	world	

Notice the difference by searching "fran?"

Image

Quick Basic Advanced

Add new

Download CSV File

Import



fran?



View

<input type="checkbox"/>	User name ^	Last Name	First name	Enabled	Primary group	Manager
<input type="checkbox"/>	aeinstein	Einstein	Albert	Yes	franchises	franks
<input type="checkbox"/>	aretha	Franklin	Aretha	Yes	world	
<input type="checkbox"/>	frank	Sinatra	Frank	Yes	world	
<input type="checkbox"/>	frankrudolph	Olson	Frank Rudolph	Yes	world	
<input type="checkbox"/>	franks	Sherwood	Frank	Yes	world	
<input type="checkbox"/>	ggalilei	Galilei	Galileo	Yes	suppliers	frankrudolph
<input type="checkbox"/>	inewton	Newton	Isaac	Yes	consultants	frank
<input type="checkbox"/>	rfranklin	Franklin	Rosalind	Yes	world	

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

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 <u>Soffid Console <= 3.4 version</u> ~0.8: stricter search ~0.1: more lax search <u>Soffid Console > 3.4 version</u> 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+false",
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
        "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
        "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+
```


MOJnVsQAL6Ad/OAKpSHf6yvxNhuvFq7U1IW1++RhXz3vpADm3yJjn7DW0IBsYdjyOm6QsShyt90/KBUBow/YVt9xmJ
14k6fAes3+DZcqoHViqqDYi+gHDhMLhELhETQMoGhsQNM5PLfaW+MxaU6ijTUlluw9IRbUM3EnIA1BE6DLxM8B5Ea
0b1k7NAY4g4UxpEATGBYw7iDKwAxmWHIEbpAv1hAlJYQGA4R4jBHKYBBFiAziYCGKI0mKIDxKHp4p/gnt9unfwzj875
+WVnSxL4Kv3Jn/Awb8oHi+LpAtpwCmTqVH6pL8j/uMFTp7yfD0AEnYpciOBRfjrAqkoXa1o9sMyG/wCWnpCqLax+P2
oEAAAZHXUcOEBuG2w9M3yg25f8S2wnTNcwDIV4XHw0mTxWle/bsugPAWvz7+6Ds9sxW4G/mLgEEjkQQbwPYdnb
dpOtlYa+nfLBmVhpuni2G2nk5ibjox0jD9g+1A09OoBmEitj0Q9owi4RzrKDaxdWsqFiONTLwje1Nt1stqKgXF8zfvTJKHE
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pNe6X9oITqUvrY6i54Wmqczp0ATiAnToH//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+false",
  "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
    "accounts":
      "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+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+false",
        "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
        "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
        "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+
```


MOJnVsQAL6Ad/OAKpSHf6yvxNhuvFq7U1IW1++RhXz3vpADm3yJjn7DW0IBsYdjyOm6QsShyt90/KBUBow/YVt9xmJ
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+WVnSxL4Kv3Jn/Awb8oHi+LpAtpwCmTqVH6pL8j/uMFTp7yfD0AEnYpciOBRfjrAqkoXa1o9sMyG/wCWnpCqLax+P2
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kPeY8gPz3Cefbb6Q1MV2EJCFyP1aYc/eBBznuB8oLaWJq1nNR1qDk3ULUVV5atoB4CQEeqVGPZGGxAPuZfVJ/Llw8rwK
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8VvzHyPdLHPsXrl62mPrUH/uKpDP8w4engFDiMASugvpKhsM6nshr915ouju0Vaytv3WPxmjQICCANf3+/CBisM2ONs
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wBY3YLomZSAe2qKGPgSin+kS8x2CTEYypIASUKU0A91shjzeFybeF5Z136pVYaWdAfBjl+ZEDzTpXQqUi6OEyuVLMi
hCxW5UtbedTIH8cGxKuolRVRFB3gKoFj33BM3PTvCipTzDhr+v5TzzDUi7qote/tW1sPnA9d2HUBUGQemastPrE1ZCH
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0itHgwSiFUQHrDoINU4zGdleK3WXo4c3QGZuC/a5gdWpIXzF/DeFztjpMIO6Uu2/wBoK7IvgUUHjMjHaqxLujltSr1alln8Y
RYF6ii1+qB/mOLuPMYRQqZtFBb/s1s/wD8Fa5bwgREwrUzmFDEp/NScOO7ULb4yQtRa182WsRvV16rEabyrrcOd+hj
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A3XIXicJTRnTe1atwQaZUB1dCLhrsRv/MS4p4hAGqZPqqnYxFib0YnR0HAX1XkbjB1kdCEV1z01vSqEarUwzm7C5BtY
dsb9zCBncSuEX2RWfvZkXX+mV75T7FEkcNWf8psHbEnQYnDaaAhqY9Oxf4SsxeHrn28ZT8qxPwUAQKEdYNYzF6Lf7
o1jV4sB/Uo+XhCYvCoNTXVj3Bm+N5DyJ9o+SwDU69VHV1cZIII7SnX9P1nqGx9pJWpo67y00L+y3vCeTOE4FvSXHR
naYo1At+w5Aj3Wf3Tv47vTIA1u2+jpZzXw1g+903BjxZTuDcxuO/TjQrtipSbl6spG9WFj6H5zbUsRcSPjXUizqGHJgGHx
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pNe6X9oITqUvrY6i54Wmqczp0ATiAnToH//2Q=="

},

```
    "id": 3910,
    "userType": "I",
    "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+false",
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
  "accounts":
  "http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false",
      "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+false"
        }
      }
    }
  ]
}
```

```
    "accounts":
"http://soffid.35x.lab:8089/soffid/webservice/scim2/v1/Account?filter=type+eq+U+and+users.user.userName+eq+'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+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": "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"
}
]
}
```

Revision #2

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