

SCIM Examples with Payloads

This wiki outlines a handful of the golden path user and group scenarios for our SCIM endpoints.

Most customers don't need to know the specifics of these endpoints because their respective IDPs (OKTA, Azure, etc) handle the technical details for them under the hood. SCIM is an open protocol and we have had some customers attempt to roll their own SCIM implementations with other tools. These examples provide better insight into our `/rest/scimv2` business logic for these customers.

Scenarios:

Users:

- Filter User by Username
- Create a User
- Return a List of Users
- Return a Specific User
- Update a User's Given Name
- Deactivate a User

Groups

- Filter for Group by Display Name
- Create a Group
- Return a List of Groups
- Return a Specific Group
- Add Members to a Group
- Remove all Members from a Group
- Update the Name of a Group
- Delete a Group

Swagger Interface:

Scenarios: [🔗](#)

Users: [🔗](#)

Filter User by Username [🔗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users?filter=userName eq "john-doe@fakejama.com"
Body	N/A

Response	
Body	<pre>1 { 2 "totalResults": 1, 3 "startIndex": 1,</pre>

```

4     "itemsPerPage": 1,
5     "schemas": [
6         "urn:ietf:params:scim:api:messages:2.0:ListResponse"
7     ],
8     "Resources": [
9         {
10             "emails": [
11                 {
12                     "type": "work",
13                     "value": "john-doe@fakejama.com",
14                     "primary": true
15                 }
16             ],
17             "meta": {
18                 "resourceType": "User"
19             },
20             "name": {
21                 "familyName": "doe",
22                 "givenName": "john"
23             },
24             "active": true,
25             "id": "u29",
26             "userName": "john-doe@fakejama.com"
27         }
28     ]
29 }

```

Curl example

```

1 curl --location 'http://sampleTenant/rest/scimv2/Users?
   filter=userName%20eq%20%22john-doe%40fakejama.com%22' \
2 --header 'Authorization: Basic xyz' \

```

Create a User [🔗](#)

Request	
Method	POST
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users
Body	<pre> 1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:User"], 3 "userName":"john-doe@fakejama.com", 4 "name":{"givenName":"john", 5 "familyName":"doe"}, 6 "emails":[{" 7 "primary":true, 8 "value":"john-doe@fakejama.com", 9 "type":"work" 10 }], 11 "displayName":"john doe", 12 "active":true 13 } </pre>

Response	
Body	<pre> 1 { 2 "emails": [3 { 4 "type": "work", 5 "value": "john-doe@fakejama.com", 6 "primary": true 7 } 8], 9 "meta": { 10 "location": "http://sampleTenant/rest/scimv2/Users/u29", 11 "resourceType": "User" 12 }, 13 "schemas": [14 "urn:ietf:params:scim:schemas:core:2.0:User" 15], 16 "name": { 17 "familyName": "doe", 18 "givenName": "john" 19 }, 20 "active": true, 21 "groups": [], 22 "id": "u29", 23 "userName": "john-doe@fakejama.com" 24 }</pre>

Curl example	
	<pre> 1 curl --location 'http://sampleTenant/rest/scimv2/Users' \ 2 --header 'Content-Type: application/json' \ 3 --header 'Authorization: Basic xyz' \ 4 --data-raw '{ 5 "schemas":["urn:ietf:params:scim:schemas:core:2.0:User"], 6 "userName":"john-doe@fakejama.com", 7 "name":{"givenName":"john", 8 "familyName":"doe"}, 9 "emails":[{" 10 "primary":true, 11 "value":"john-doe@fakejama.com", 12 "type":"work" 13 }], 14 "displayName":"john doe", 15 "active":true 16 }'</pre>

Return a List of Users [🔗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users

Body	N/A
------	-----

Response	
Body	<pre>1 { 2 "totalResults": 2, 3 "startIndex": 1, 4 "itemsPerPage": 2, 5 "schemas": [6 "urn:ietf:params:scim:api:messages:2.0:ListResponse" 7], 8 "Resources": [9 { 10 "emails": [11 { 12 "type": "work", 13 "value": "jane-doe@fakejama.com", 14 "primary": true 15 } 16], 17 "meta": { 18 "resourceType": "User" 19 }, 20 "name": { 21 "familyName": "doe", 22 "givenName": "jane" 23 }, 24 "active": true, 25 "id": "u32", 26 "userName": "jane-doe" 27 }, 28 { 29 "emails": [30 { 31 "type": "work", 32 "value": "john-doe@fakejama.com", 33 "primary": true 34 } 35], 36 "meta": { 37 "resourceType": "User" 38 }, 39 "name": { 40 "familyName": "doe", 41 "givenName": "john" 42 }, 43 "active": true, 44 "id": "u29", 45 "userName": "john-doe@fakejama.com" 46 } 47] 48 }</pre>

Curl example

```
1 curl --location 'http://sampleTenant/rest/scimv2/Users' \  
2 --header 'Authorization: Basic xyz' \
```

Return a Specific User [🔗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users/u29
Body	N/A

Response	
Body	<pre>1 { 2 "emails": [3 { 4 "type": "work", 5 "value": "john-doe@fakejama.com", 6 "primary": true 7 } 8], 9 "meta": { 10 "location": "http://sampleTenant/rest/scimv2/Users/u29", 11 "resourceType": "User" 12 }, 13 "schemas": [14 "urn:ietf:params:scim:schemas:core:2.0:User" 15], 16 "name": { 17 "familyName": "doe", 18 "givenName": "john" 19 }, 20 "active": true, 21 "groups": [], 22 "id": "u29", 23 "userName": "john-doe@fakejama.com" 24 }</pre>

Curl example

```
1 curl --location 'http://sampleTenant/rest/scimv2/Users/u29' \  
2 --header 'Authorization: Basic xyz' \
```

Update a User's Given Name [🔗](#)

Request	
Method	PUT
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users/u29

Body	<pre>1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:User"], 3 "userName":"john-doe", 4 "name":{"givenName":"john-UPDATED! ", 5 "familyName":"doe"}, 6 "emails":[{" 7 "primary":true, 8 "value":"john-doe@fakejama.com", 9 "type":"work" 10 }], 11 "displayName":"john doe", 12 "active":true 13 }</pre>
------	---

Response	
Body	<pre>1 { 2 "emails": [3 { 4 "type": "work", 5 "value": "john-doe@fakejama.com", 6 "primary": true 7 } 8], 9 "meta": { 10 "location": "http://sampleTenant/rest/scimv2/Users/u29", 11 "resourceType": "User" 12 }, 13 "schemas": [14 "urn:ietf:params:scim:schemas:core:2.0:User" 15], 16 "name": { 17 "familyName": "doe", 18 "givenName": "john-UPDATED!" 19 }, 20 "active": true, 21 "groups": [], 22 "id": "u29", 23 "userName": "john-doe" 24 }</pre>

Curl example	
	<pre>1 curl --location --request PUT 'http://sampleTenant/rest/scimv2/Users/u29' \ 2 --header 'Content-Type: application/json' \ 3 --header 'Authorization: Basic xyz' \ 4 --data-raw '{ 5 "schemas":["urn:ietf:params:scim:schemas:core:2.0:User"], 6 "userName":"john-doe", 7 "name":{"givenName":"john-UPDATED! ", 8 "familyName":"doe"}, 9 "emails":[{" 10 "primary":true, 11 "value":"john-doe@fakejama.com",</pre>

```

12     "type": "work"
13   }},
14   "displayName": "john doe",
15   "active": true
16 }'

```

Deactivate a User [↗](#)

Request	
Method	PUT
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Users/u29
Body	<pre> 1 { 2 "schemas": ["urn:ietf:params:scim:schemas:core:2.0:User"], 3 "userName": "john-doe", 4 "active": false 5 } </pre>

Response	
Body	<pre> 1 { 2 "emails": [3 { 4 "type": "work", 5 "value": "john-doe@fakejama.com", 6 "primary": true 7 } 8], 9 "meta": { 10 "location": "http://sampleTenant/rest/scimv2/Users/u29", 11 "resourceType": "User" 12 }, 13 "schemas": [14 "urn:ietf:params:scim:schemas:core:2.0:User" 15], 16 "name": { 17 "familyName": "doe", 18 "givenName": "john" 19 }, 20 "active": false, 21 "groups": [], 22 "id": "u29", 23 "userName": "john-doe" 24 } </pre>

Curl example	
	<pre> 1 curl --location --request PUT 'http://sampleTenant/rest/scimv2/Users/u29' \ 2 --header 'Content-Type: application/json' \ 3 --header 'Authorization: Basic xyz' \ 4 --data '{ </pre>

```
5  "schemas":["urn:ietf:params:scim:schemas:core:2.0:User"],
6  "userName":"john-doe",
7  "active":false
8  }'
```

Groups [↗](#)

- only returns active users in group

Filter for Group by Display Name [↗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups?filter=displayName eq "Analysts"
Body	N/A

Response	
Body	<pre>1 { 2 "totalResults": 1, 3 "startIndex": 1, 4 "itemsPerPage": 1, 5 "schemas": [6 "urn:ietf:params:scim:api:messages:2.0:ListResponse" 7], 8 "Resources": [9 { 10 "meta": { 11 "resourceType": "Group" 12 }, 13 "displayName": "Analysts", 14 "id": "g33" 15 } 16] 17 }</pre>

Curl example

```
1 curl --location 'http://sampleTenant/rest/scimv2/Groups?
  filter=displayName%20eq%20%22Analysts%22' \
2 --header 'Authorization: Basic xyz' \
```

Create a Group [↗](#)

Request	
Method	POST
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups

Body	<pre>1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"], 3 "displayName":"Analysts" 4 }</pre>
------	--

Response	
Body	<pre>1 { 2 "meta": { 3 "location": "http://sampleTenant/rest/scimv2/Groups/g33", 4 "resourceType": "Group" 5 }, 6 "displayName": "Analysts", 7 "schemas": [8 "urn:ietf:params:scim:schemas:core:2.0:Group" 9], 10 "id": "g33" 11 }</pre>

Curl example	
	<pre>1 curl --location 'http://sampleTenant/rest/scimv2/Groups' \ 2 --header 'Content-Type: application/json' \ 3 --header 'Authorization: Basic xyz' \ 4 --data '{ 5 "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"], 6 "displayName":"Analysts" 7 }'</pre>

Return a List of Groups [↗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups
Body	N/A

Response	
Body	<pre>1 { 2 "totalResults": 2, 3 "startIndex": 1, 4 "itemsPerPage": 2, 5 "schemas": [6 "urn:ietf:params:scim:api:messages:2.0:ListResponse" 7], 8 "Resources": [9 { 10 "meta": {</pre>

```

11         "resourceType": "Group"
12     },
13     "displayName": "Analysts",
14     "members": [
15         {
16             "display": "john-doe",
17             "value": "u29"
18         },
19         {
20             "display": "jane-doe",
21             "value": "u32"
22         }
23     ],
24     "id": "g33"
25 },
26 {
27     "meta": {
28         "resourceType": "Group"
29     },
30     "displayName": "Development",
31     "id": "g13"
32 }
33 ]
34 }

```

Curl example

```

1 curl --location 'http://sampleTenant/rest/scimv2/Groups' \
2 --header 'Authorization: Basic xyz' \

```

Return a Specific Group [🔗](#)

Request	
Method	GET
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups/g33
Body	N/A

Response

Body

```

1 {
2     "meta": {
3         "resourceType": "Group"
4     },
5     "displayName": "Analysts",
6     "schemas": [
7         "urn:ietf:params:scim:schemas:core:2.0:Group"
8     ],
9     "members": [
10         {
11             "display": "john-doe",
12             "value": "u29"

```

```

13     },
14     {
15         "display": "jane-doe",
16         "value": "u32"
17     }
18 ],
19 "id": "g33"
20 }

```

Curl example

```

1 curl --location 'http://sampleTenant/rest/scimv2/Groups/g33' \
2 --header 'Authorization: Basic xyz' \

```

Add Members to a Group [↗](#)

- known defect = adding inactive user returns 500

Request	
Method	PUT
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups/g33
Body	<pre> 1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"], 3 "displayName":"Analysts", 4 "members":[{" 5 "value":"u29", 6 "display":"john-doe@fakejama.com" 7 }, 8 { 9 "value":"u32", 10 "display":"jane-doe@fakejama.com" 11 }] 12 } </pre>

Response	
Body	<pre> 1 { 2 "meta": { 3 "location": "http://sampleTenant/rest/scimv2/Groups/g33", 4 "resourceType": "Group" 5 }, 6 "displayName": "Analysts", 7 "schemas": [8 "urn:ietf:params:scim:schemas:core:2.0:Group" 9], 10 "members": [11 { 12 "display": "john-doe", 13 "value": "u29" 14 }, 15 { </pre>

```

16         "display": "jane-doe",
17         "value": "u32"
18     }
19 ],
20     "id": "g33"
21 }

```

Curl example

```

1 curl --location --request PUT 'http://sampleTenant/rest/scimv2/Groups/g33' \
2 --header 'Content-Type: application/json' \
3 --header 'Authorization: Basic xyz' \
4 --data-raw '{
5     "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"],
6     "displayName":"Analysts",
7     "members":[{"
8         "value":"u29",
9         "display":"john-doe@fakejama.com"
10     },
11     {
12         "value":"u32",
13         "display":"jane-doe@fakejama.com"
14     }]
15 }'

```

Remove all Members from a Group [🔗](#)

Request

Method	PUT
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups/g33
Body	<pre> 1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"], 3 "displayName":"Analysts", 4 "members":[] 5 } </pre>

Response

Body	<pre> 1 { 2 "meta": { 3 "location": "http://sampleTenant/rest/scimv2/Groups/g33", 4 "resourceType": "Group" 5 }, 6 "displayName": "Analysts", 7 "schemas": [8 "urn:ietf:params:scim:schemas:core:2.0:Group" 9], 10 "id": "g33" 11 } </pre>
------	---

Curl example

```
1 curl --location --request PUT 'http://sampleTenant/rest/scimv2/Groups/g33' \  
2 --header 'Content-Type: application/json' \  
3 --header 'Authorization: Basic xyz' \  
4 --data '{  
5     "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"],  
6     "displayName":"Analysts",  
7     "members":[]  
8 }'
```

Update the Name of a Group [🔗](#)

Request

Method	PUT
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups/g33
Body	<pre>1 { 2 "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"], 3 "displayName":"Analysts - UPDATED!", 4 "members":[] 5 }</pre>

Response

Body	<pre>1 { 2 "meta": { 3 "location": "http://sampleTenant/rest/scimv2/Groups/g33", 4 "resourceType": "Group" 5 }, 6 "displayName": "Analysts - UPDATED!", 7 "schemas": [8 "urn:ietf:params:scim:schemas:core:2.0:Group" 9], 10 "id": "g33" 11 }</pre>
------	--

Curl example

```
1 curl --location --request PUT 'http://sampleTenant/rest/scimv2/Groups/g33' \  
2 --header 'Content-Type: application/json' \  
3 --header 'Authorization: Basic xyz' \  
4 --data '{  
5     "schemas":["urn:ietf:params:scim:schemas:core:2.0:Group"],  
6     "displayName":"Analysts - UPDATED!",  
7     "members":[]  
8 }'
```

Delete a Group [🔗](#)

Request	
Method	DELETE
URL	{{JAMATENANT_BASE_URL}}/rest/scimv2/Groups/g33
Body	N/A

Response	
Body	N/A

Curl example	
1	curl --location --request DELETE 'http://sampleTenant/rest/scimv2/Groups/g33' \
2	--header 'Authorization: Basic xyz' \

Swagger Interface: [🔗](#)

- If the customer has access to the Swagger REST API endpoints they can try them out there.

Jama REST API Docs

Not Secure ([JAMATENANT_BASE_URL]) /api-docs/

http://([JAMATENANT_BASE_URL]) /rest/scimv2/api-docs Explore

Jama REST API

scimv2 OAS3

This is the documentation for the Jama REST API. Visit our Developer portal for best practices (cookbook), policies, sunset/migrations status.
support@jamasoftware.com - [Developer Portal](#)

Sunset - None Scheduled

SCIM V2 Groups

GET

/Groups

Return groups according to the filter, sort and pagination parameters

✓

🔒

POST

/Groups

Return the group which was created

✓

🔒

GET

/Groups/{groupId}

Return the group associated with provided groupId

✓

🔒

PUT

/Groups/{groupId}

Return the updated group

✓

🔒

DELETE

/Groups/{groupId}

Delete the group with the given id

✓

🔒

PATCH

/Groups/{groupId}

Return no content

✓

🔒

SCIM V2 Users

GET

/Users

Return users according to the filter, sort and pagination parameters

✓

🔒

POST

/Users

Return the user which was created

✓

🔒

GET

/Users/{userId}

Return the user associated with provided userId

✓

🔒

PUT

/Users/{userId}

Return the updated user

✓

🔒

PATCH

/Users/{userId}

Return the updated user

✓

🔒