

Tutorial : Managing Group Members in Documentum REST Services

This article shows a series of JSON message samples to instruct how we can get, add or remove members for a group.

Overview

There are 2 kinds of members for a group. One is user members and the other is sub group members. We can get these 2 kinds of members separately under a group resource.

For more detail about group resource CRUD, please check [Tutorial : Managing Users and Groups in Documentum REST Services](#)

Get group members

Assumed that you get a group resource.

```
GET
```

```
Accept: application/vnd.emc.documentum+json
```

```
Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==
```

From the response, we'll find link relation "" and "", which point to the resources of user members and sub group members, respectively.

```
{  .....  "links":[  ....  {      "rel":"http://identifiers.emc.com/linkrel/users",      "href":"http://rest-demo/dctm-r
```

Please get user members by the href of link relation "".

GET

Accept: application/vnd.emc.documentum+json

Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

The user members is returned in the response as a feed.

```
{ "id": "http://rest-demo/dctm-rest/repositories/REPO/groups/demo-group/users", "title": "Member users of group demo-group", "a
```

Please get sub groups by the href of link relation "".

GET

Accept: application/vnd.emc.documentum+json

Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

The sub groups is returned in the response as a feed.

```
{ "id": "http://rest-demo/dctm-rest/repositories/REPO/groups/demo-group/groups", "title": "Member groups of group demo-group",
```

Recursive User Members

By default, the user members resource only returns the direct user members of a group. If we need to get all users in this group, including the direct user members and the user members under sub groups, we can apply the parameter ***recursive*** on the user members resource to get all user members. The result of all user members in the feed representation is flatten.

GET

Accept: application/vnd.emc.documentum+json

Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

Add a member

Add a user member

In user members resource, we can add a user by making a POST method to the user members resource URI. The request body should be a resource URI of the user resource to add.

```
POST

Accept: application/vnd.emc.documentum+json

Content-Type: application/vnd.emc.documentum+json

Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

{"href":""}
```

The response adds this user to the target group. It returns status 201 with an empty response body. But we can find the link of the new membership in the response header "*Location*".

```
HTTP 201 Created

Location:
```

Add a sub group

In sub groups resource, we can add a sub group by making a POST method to the URI of sub groups resource. The request body should be the resource URI of the group to add.

```
POST

Accept: application/vnd.emc.documentum+json

Content-Type: application/vnd.emc.documentum+json

Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==

{"href":""}
```

The response adds this group to the target group. It returns status 201 with an empty response body. But we can find the link of the new membership in header "Location".

```
HTTP 201 Created
```

```
Location:
```

Remove a member from the group

Remove a user member

Group members resource representation uses the link relation "" to indicate whether accessor has the privilege to remove a specific member user or member group. On each member entry, If the accessor sees the entry link relation "", it means that the accessor can remove this member from the group.

```
{  ....  "entries":[  ....  {  ....  "links":[  ....  {
```

Now you can make a DELETE request on the href of this link relation to remove this member.

```
DELETE
```

```
Accept: application/vnd.emc.documentum+json
```

```
Content-Type: application/vnd.emc.documentum+json
```

```
Authorization: Basic ZG1hZG1pbjpwYXNzd29yZA==
```

The response returns 204 if the delete is successful.

Remove a sub group

Similar to removing a user member, if we are going to remove a sub group,

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1. In sub groups resource, please find the atom entry for a specific sub group.
2. Please check the appearance of the link relation "".
3. If we can find this link relation, the accessor can remove the sub group by making a DELETE method to the link relation's href.
4. If we do not find this link relation, the accessor does not have the privilege to remove this group.

[Learn more about Documentum REST Services >>](#)