

Create a composite group

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1.1. Summary

Grouper allows you to create composites in a couple of ways.

- UNION are the adding of 2 or more groups as members of a third, the same as [adding individual members](#).

In addition, Grouper allows you to use two existing groups (called "factors") to define a third (composite) group. You may combine two groups in the following ways:

- INTERSECTION includes entities that belong to both of two original (factor) groups – "members-in-common"
- COMPLEMENT includes entities that belong to the primary ("left") factor group who are not also members of the secondary ("right") factor group – "left minus right"

1.2. Requirements

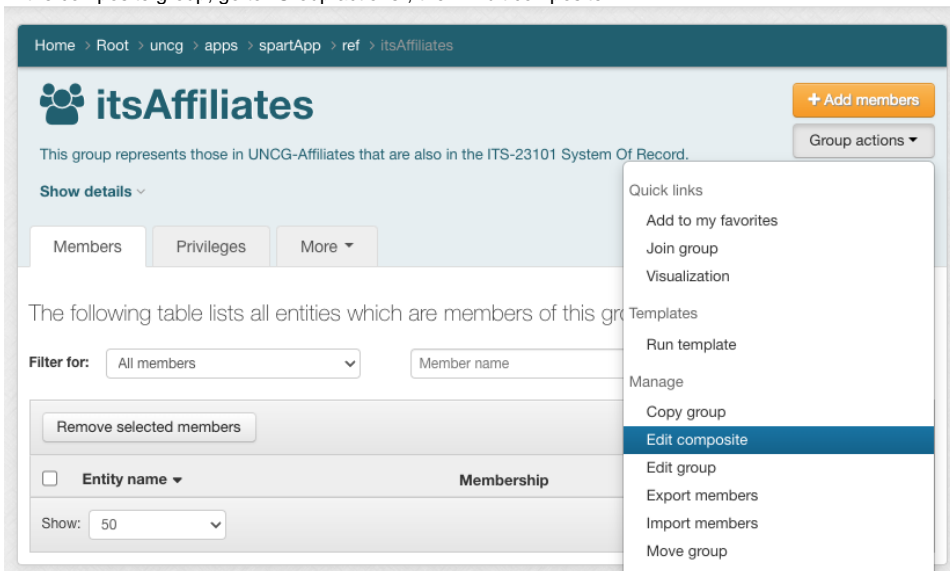
UPDATE GROUP privilege or greater is required on the composite group and VIEW,READ GROUP on the factor groups.

1.3. Process

To create a composite group:

For this example, we are going to create a group itsAffiliates whose members are both in UNCG-affiliate as well as the ITS department's system-of-record.

1. [Create the group](#) that will contain the composite (e.g. uncg:apps:spartApp:ref:itsAffiliates)
2. Either create the factor groups like the composite was created, or note the location of the existing groups. In this example, we will be using uncg:reference:UNCG-affiliate and uncg:org:DEPT-ITS-23101:ref:DEPT-ITS-23101_systemOfRecord.
3. In the composite group, go to "Group actions", then "Edit composite"



4. Set **Composite** to **Yes**, then find your first and second factors by searching for them in the given fields and selecting the group when it's returned.

Home > Root > uncg > apps > spartApp > ref > itsAffiliates

itsAffiliates

Edit group composite

Composite: ☐ No ☒ Yes

First factor group:
Enter a group name or ID, or [search for the first factor](#).

Operation:
There are three composite operations: intersection, complement, and union.
Intersection means members of the overall group must be in both factor groups. **Intersection** is used for example when requiring members to be active employees.
Complement means members are in the first group but not in the second group. **Complement** is used for exclude lists.
Union is not needed, you can just add the groups as members of the overall group.

Second factor group:

- uncg:org:DEPT-ITS-23101:ref:DEPT-ITS-23101_StuWorker-systemOfRecord
- uncg:org:DEPT-ITS-23101:ref:DEPT-ITS-23101_systemOfRecord
- uncg:org:DEPT-ITS-23101:ref:ITS-23101_DTC
- uncg:org:DEPT-ITS-23101:ref:ITS-23101_DTS
- uncg:org:DEPT-ITS-23101:ref:ITS-23101_DTS-Primary
- uncg:org:DEPT-ITS-23101:ref:ITS-23101_campusADDomainAdmins
- uncg:org:DEPT-ITS-23101:ref:ITS-23101_campusADDomainAdmins-Primary

5. Select the desired operation from the drop-down.

Home > Root > uncg > apps > spartApp > ref > itsAffiliates

itsAffiliates

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Union is not needed, you can just add the groups as members of the overall group.

Second factor group:
Enter a group name or ID, or [search for the second factor](#).

6. Click "Save". This will assign the composite to the group.

Success: this composite group was saved

+ Create new group

Quick links

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- Miscellaneous

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- Root
 - etc
 - test

Home > Root > uncg > apps > spartApp > ref > itsAffiliates

itsAffiliates

This group represents those in UNCG-Affiliates that are also in the ITS-23101 System Of Record.

Show details

MembersPrivilegesMore

The following table lists all entities which are members of this group.

Note: this group is a composite owner: itsAffiliates is a composite intersection of UNCG-affiliate and DEPT-ITS-23101_systemOfRecord

Filter for: All membersMember nameApply filterResetAdvanced