

Grouper UI - Composites

Here is an example where an application needs users who have email accounts and are employees

Make a folder for this example

The screenshot displays the Grouper UI interface for a folder named 'testComposite'. The breadcrumb navigation at the top reads 'Home > Root > test > testComposite'. The folder name 'testComposite' is prominently displayed with a folder icon. To the right of the folder name are two buttons: 'Edit folder' (orange) and 'More actions' (grey with a dropdown arrow). Below the folder name is a 'More' dropdown menu. A tabbed interface shows 'Folder contents' as the active tab, with 'Privileges' and another 'More' dropdown as alternatives. A filter section includes a 'Filter for:' label, a text input field containing 'Folder, group, or attribute name', and 'Apply filter' and 'Reset' buttons. The main content area, titled 'Name' with a dropdown arrow, lists three items: 'Up one folder' (with an upward arrow icon), 'applicationGroup' (with a group icon), 'employees' (with a group icon), and 'usersWithEmails' (with a group icon). At the bottom left, a 'Show:' label is followed by a dropdown menu set to '50'. At the bottom right, it says 'Showing 1-3 of 3' followed by navigation links: 'First | Prev | Next | Last'.

Make three groups

applicationGroup

+ Add members

More actions ▾

More ▾

Members

Privileges

More ▾

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

Filter for:






All members ▾

Member name

Apply filter

Reset

Remove selected members

<input type="checkbox"/> Entity name ▾	Membership	Choose action
<input type="checkbox"/>  my name is test.subject.2	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.3	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.4	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.5	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.9	Direct	Actions ▾

Show:

50 ▾

Showing 1-5 of 5 · First | Prev | Next | Last

employees

More ▾

+ Add members

More actions ▾

Members

Privileges

More ▾

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

Filter for: All members ▾ Member name Apply filter Reset

Remove selected members

<input type="checkbox"/> Entity name ▾	Membership	Choose action
<input type="checkbox"/>  my name is test.subject.0	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.1	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.2	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.3	Direct	Actions ▾

Show: 50 ▾

Showing 1-4 of 4 · [First](#) | [Prev](#) | [Next](#) | [Last](#)

Home > Root > test > testComposite > usersWithEmails

usersWithEmails

More ▾

Members

Privileges

More ▾

+ Add members

More actions ▾

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

Filter for:






All members ▾

Member name

Apply filter

Reset

Remove selected members

<input type="checkbox"/> Entity name ▾	Membership	Choose action
<input type="checkbox"/>  my name is test.subject.3	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.4	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.5	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.6	Direct	Actions ▾
<input type="checkbox"/>  my name is test.subject.7	Direct	Actions ▾

Show: 50 ▾

Showing 1-5 of 5 · First | Prev | Next | Last

Identify application group to require members with emails

Edit group ⓘ

Current location is:
📁 Root: 📁 test: 📁 testComposite: 👤 applicationGroup

Name	applicationGroup
ID	applicationGroup
Alternate ID Path	
Description	
Assign privileges to everyone	<input type="checkbox"/> Read <input type="checkbox"/> View <input type="checkbox"/> Optin <input type="checkbox"/> Optout <input type="checkbox"/> Attribute read
Select group types	<input type="checkbox"/> addIncludeExclude <input type="checkbox"/> grouperLoader <input type="checkbox"/> GroupInterface <input type="checkbox"/> teaching <input type="checkbox"/> mailingList <input checked="" type="checkbox"/> requireInGroups

Save


[Back to group summary](#)

Edit attributes

Current location is:
📁 Root: 📁 test: 📁 testComposite: 👤 applicationGroup

Group type	Attribute	Value
requireInGroups		
	requireAlsoInGroups	test.testComposite:usersWithEmails
Save attributes and finish		Save attributes and add members






[Home](#) > [Root](#) > [test](#) > [testComposite](#) > [applicationGroup](#)




applicationGroup

[+ Add members](#)
[More actions ▾](#)

Group containing list of applicationGroup after adding the includes and subtracting the excludes

Name:	applicationGroup
Path:	test.testComposite:applicationGroup
ID path:	test.testComposite:applicationGroup
Alternate ID path:	
ID:	applicationGroup
Created:	Thu Jun 8 2:16:20 PM UTC 2017
Creator:	 Chris Hyzer
Last edited:	Thu Jun 8 2:25:25 PM UTC 2017
Last edited by:	 Chris Hyzer
Type:	Group
Privileges assigned to everyone:	
Composite owner:	 applicationGroup is a composite intersection of  applicationGroup system of record and  usersWithEmails
Composite factor of other groups:	This group is not a direct composite factor of any other groups
ID index:	8475187
UUID:	5483aa9344cd4cad8a69c588491a93ee



Now we need to make another composite to chain up the requirements



applicationGroupUsersWithEmails

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:

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

Save

Cancel

applicationGroup

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:

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

Save

Cancel

Check the memberships

applicationGroup

+ Add members

More actions ▾

Group containing list of applicationGroup after adding the includes and subtracting the excludes




More ▾

Members

Privileges

More ▾

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

Note: this group is a composite owner:  applicationGroup is a composite intersection of  applicationGroupUsersWithEmails and  employees


Filter for: All members ▾

Member name

Apply filter

Reset

Remove selected members

<input type="checkbox"/> Entity name ▾	Membership	Choose action
<input type="checkbox"/>  my name is test.subject.3	Indirect	Actions ▾

Show: 50 ▾

Showing 1-1 of 1 · First | Prev | Next | Last