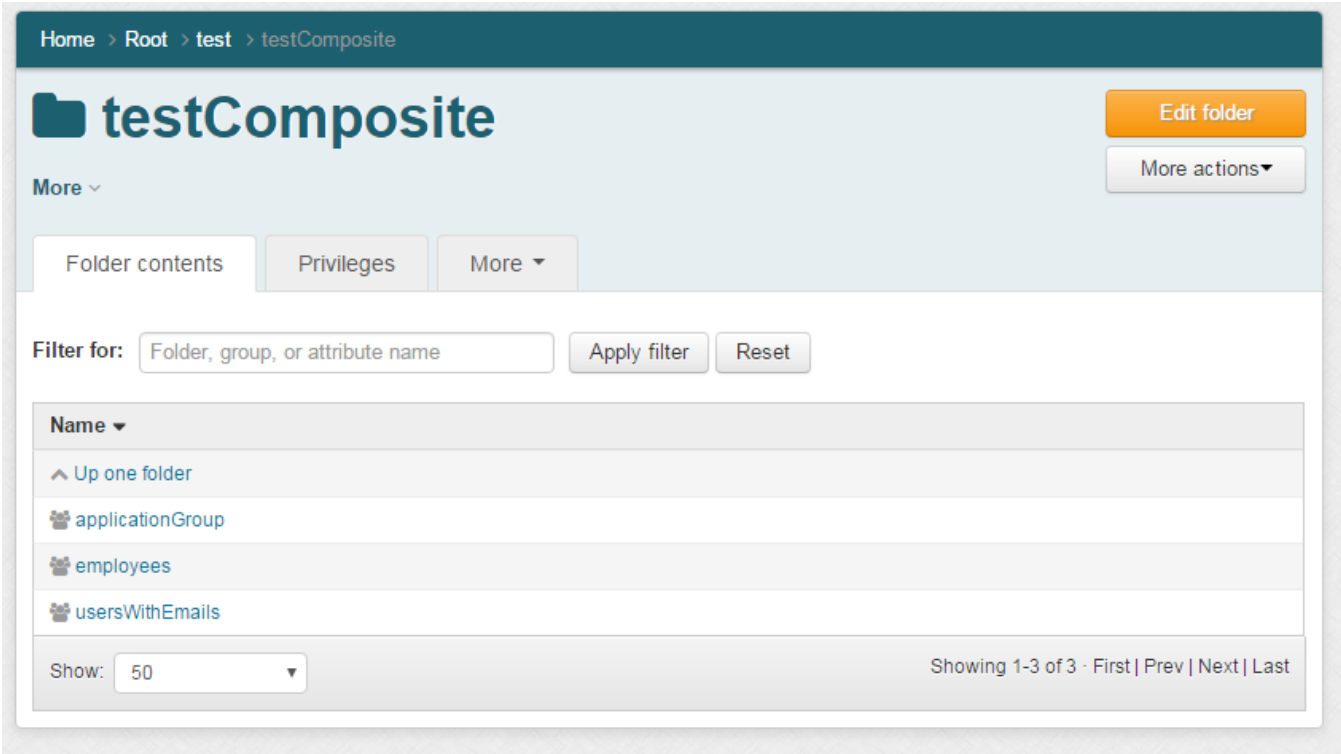


# Grouper UI composites

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

Make a folder for this example



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

+ 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.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 ▾

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# usersWithEmails

+ Add members

More actions ▾

More ▾






Members

Privileges

More ▾

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

Filter for:

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

Show:

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

<b>Name</b>	applicationGroup
<b>ID</b>	applicationGroup
<b>Alternate ID Path</b>	
<b>Description</b>	
<b>Assign privileges to everyone</b>	<input type="checkbox"/> Read <input type="checkbox"/> View <input type="checkbox"/> Optin <input type="checkbox"/> Optout <input type="checkbox"/> Attribute read
<b>Select group types</b>	<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

# applicationGroup

+ Add members

More actions ▾

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

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

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