Grouper UI

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If you are using Grouper 2.2 or above you are in the right place to learn about the UI!

A bit of Grouper UI history:

- Grouper 2.2 and above features a UI which makes Grouper easy to use by end users and administrators.
- Prior to version 2.4.0, it co-exists with the legacy Admin UI and the Lite UIs, and is installed as the default UI (default URL) when you install the UI.
- In Grouper 2.4, the Admin UI and Lite UIs have been removed (though they can be added back from a custom patch).

Grouper 2.5 offers additional flexible options:

- Grouper 2.5+ features a Custom UI that can be used per group, on top of the UI described below.
- Grouper 2.5.43+ features Grouper Custom Templates via GSH that can be used for custom inputs to the UI

How-to Guides for doing things in the UI:

- Grouper UI - Add a member (entity or group) to a group
- Grouper UI - Assign/view permissions
- Grouper UI - Assign someone to be able to manage a group
- Grouper UI - attribute action editor
- Grouper UI - attribute name editor
- Grouper UI - Auditing
- Grouper UI - Check version
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- Grouper UI - Create a composite group
- Grouper UI - Create a new folder
- Grouper UI - Create a new group
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- Grouper UI - Delete Folder
- Grouper UI - Find an entity or a group by searching
- Grouper UI - Folder attribute view and edit
- Grouper UI - Granting Privileges
- Grouper UI - Membership View Advanced Options
- Grouper UI - Move a folder
- Grouper UI - Move a group UI
- Grouper UI - Navigation using tree
- Grouper UI - Read the members of a group
- Grouper UI - Remove a member from a group
- Grouper UI - subject API diagnostics
- Grouper UI - Templates
- Grouper UI - Types on objects

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Other screens not captured here

General information

The Grouper 2.2+ UI is based on ajax. The URLs change for bookmarking and back button, but the page does not reload (so the tree can remain in a constant state)
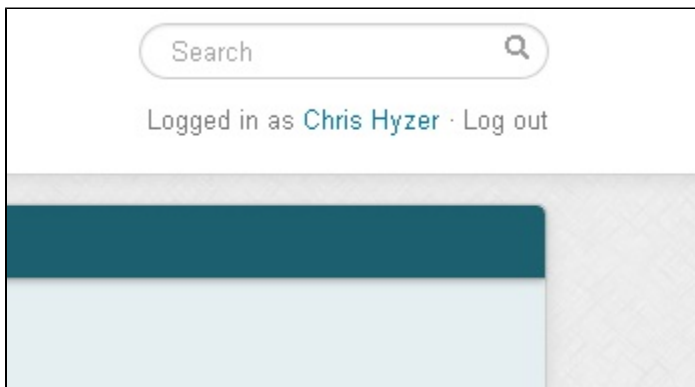
Main screen

The main screen is a dashboard that shows a search, quick links, a tree control to browse the repository, recent tasks that the user has performed, and small windows that the user can use to find what they need in Grouper


Search

There is a search box at the top right of the main 2.2 UI screen where you can search for entities, groups, folders, attribute definitions, or attribute names

Tree browser

The tree on the left shows folder, groups, attribute definitions and attribute names. If you click on an item in the tree it will go to the main screen for that item. The folder is ajax based, it will retrieve the data as you click on items. It will only show a certain configurable number of items in a folder so there are not performance problems. The tree is secure, only items the user can see will be displayed. As edits to the registry occur, or as screens are navigated, the tree on the left will not change by default, although there is a property to set to enable this. To repopulate the tree and navigate to the object on the page, click the double arrow icon next to the Browse Folders heading. To refresh the tree without navigating to the current object, refresh the page.
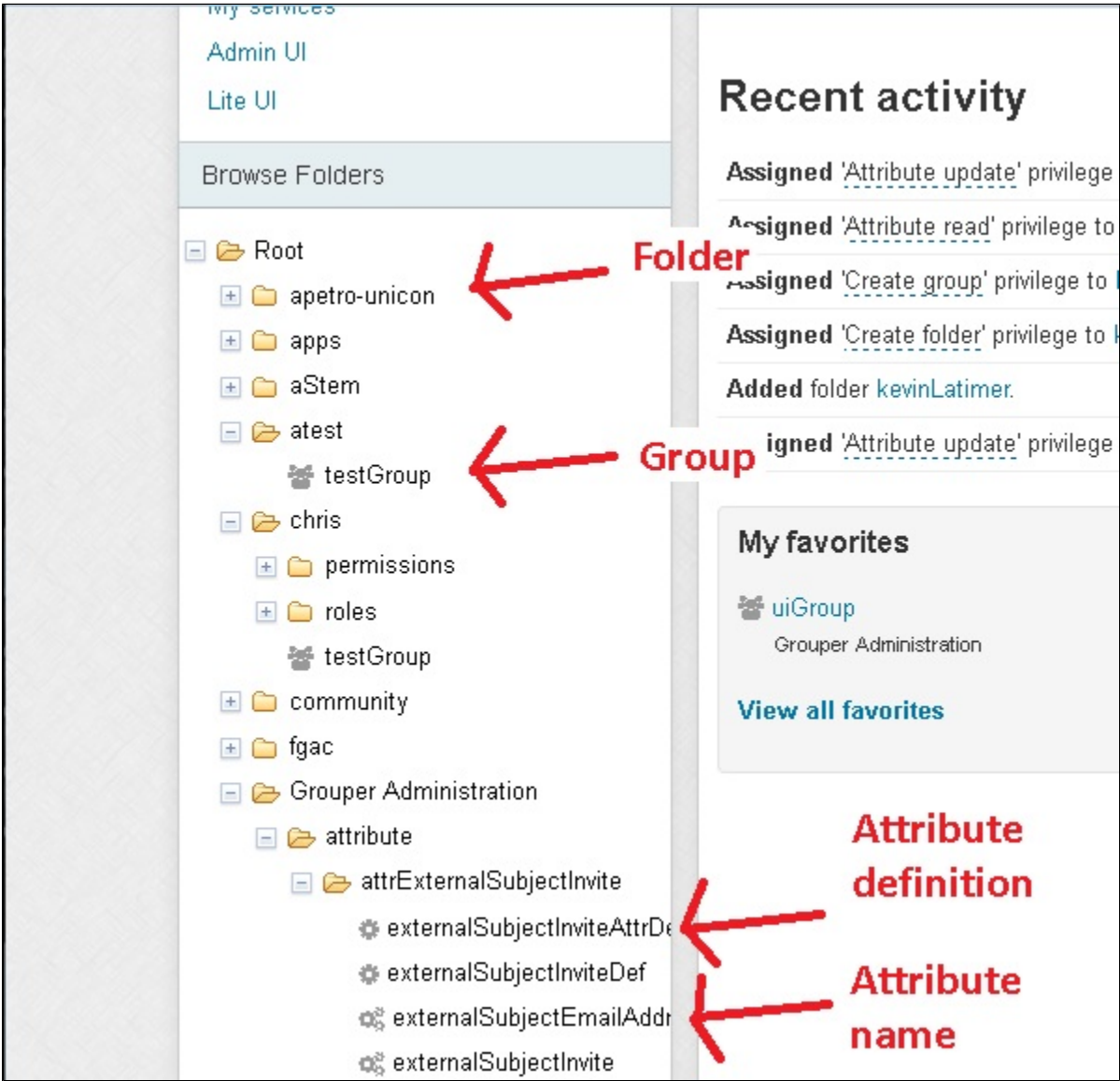
Recent activity

The main screen shows several line items of recent activity that the user has done. The user might need to do a similar function again and can easily find the required objects.

Quick links

The quick links on the left of the UI help the user quickly find objects they need to use. "My groups" shows groups the user can manage. "My folders" shows folders that the user manages. "My favorites" shows objects the user has tagged to be favorites. "My services" shows folders that are marked as services that the user is a member of or an admin of.

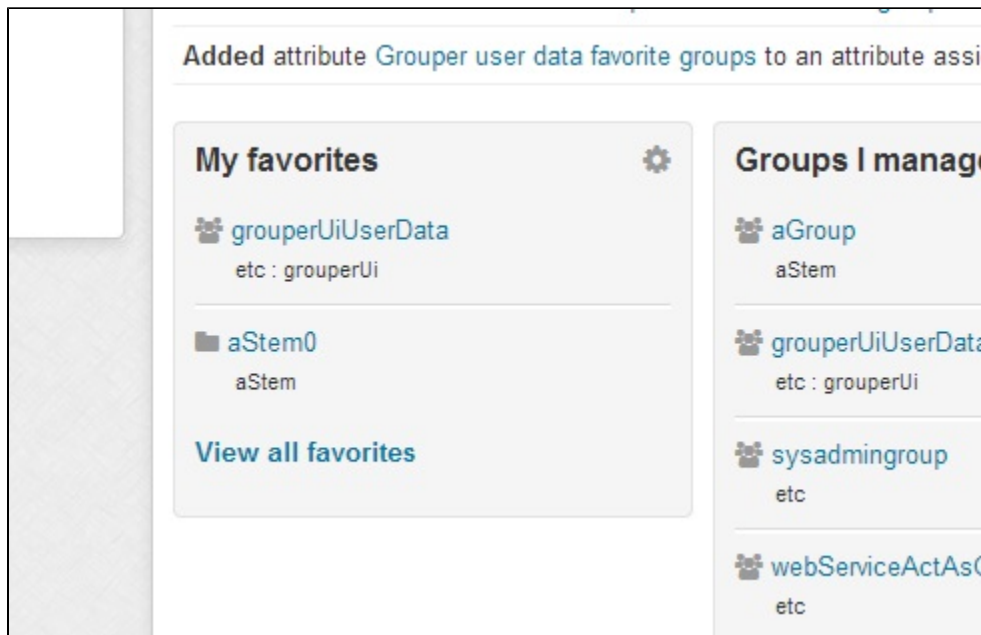**Favorites**

On the object screens (as of v2.2.0 this is the Group screen, Folder screen, and Entity screen), you can use the "More actions" button to add or remove that object from favorites. A short list of favorites is available on the main screen widgets, and a link is provided to see all of the favorites. If there are objects that the user uses frequently, "favorites" can help reduce the time needed to find those objects in the registry.

Here is how to add/remove an object from favorites
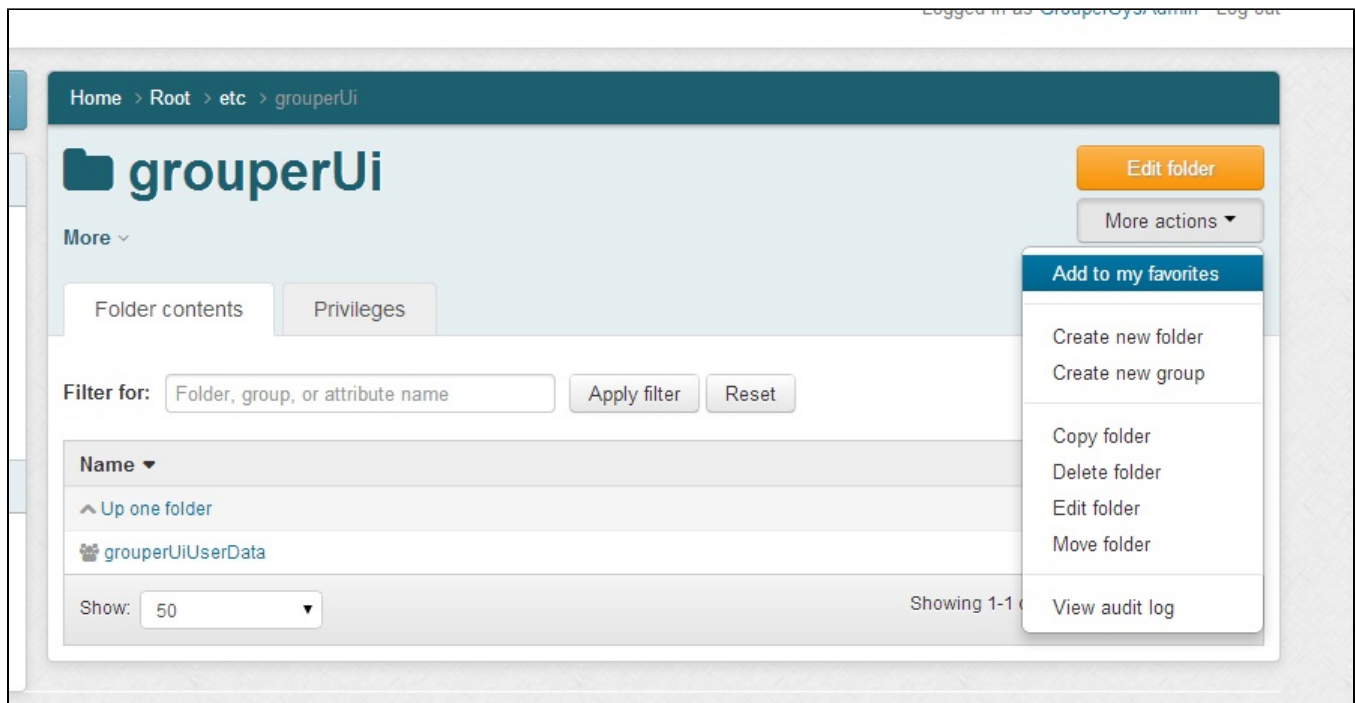
Favorites widget on the main screen

Favorites screen

Groups I manage

There is a widget on the main UI, a page linked from the widget "View all groups", and a link from the "Quick links".

Quick links on main page:

My groups

These tabs show groups that the user is a member of, has privileges on, or can join

Groups I manage

This tab gives a paged, sorted, and searchable view into the groups the user can manage. These are groups that the use has UPDATE or ADMIN privileges on.

My memberships

The "my memberships" tab shows groups that the user is a member of either directly or indirectly. Note, if you have privileges to leave one of the groups (ADMIN, UPDATE, OPTOUT), you will see a button that allows you to leave the group.

Groups I can join

The "groups I can join" tab shows groups that the user is not a member of but which they are allowed to add themselves to. This means they have ADMIN, UPDATE, or OPTIN privileges on the group.

My folders

These tabs show folders the user can manage, folders with groups the user manages, or folders with attributes the user manages

Folders I manage

This tab gives a paged, sorted, and searchable view into the folders the user can manage. These are folders that the use has any privileges on.

Folders with groups I manage

This tab shows folders that contains groups that the user manages. This means the user has UPDATE or ADMIN on the groups

Folders with attributes I manage

This tab shows folders that contain attributes that the user manages. This means the user has ATTR_UPDATE or ATTR_ADMIN on the attributes


My favorites

The "my favorites" screen shows all the objects in Grouper that the user has marked as a favorite. Initially this is just Groups, Folders, and Entities (e.g. people), but eventually will also cover attributes and permissions. This list is paged, sorted, and searchable. This screen is accessed from the Quick Links list on the left of the UI.
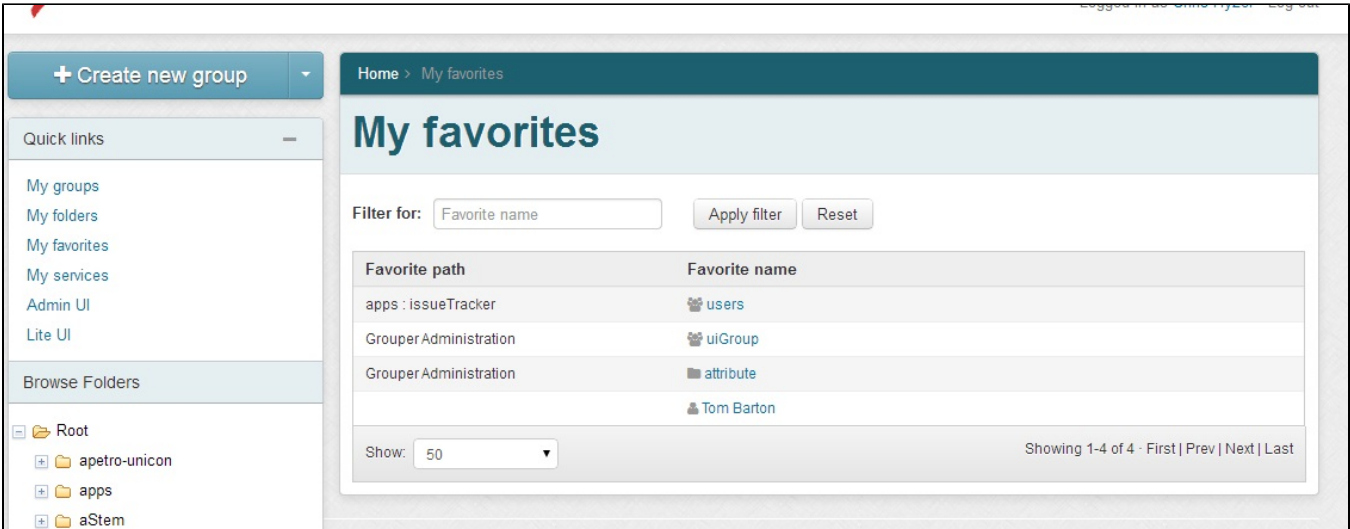
My services

The "my services" screen shows all the services in Grouper (a special attribute on a folder) where the folder contains groups that the user manages or is a member of. This list is paged, sorted, and searchable. This screen is accessed from the Quick Links list on the left of the UI.
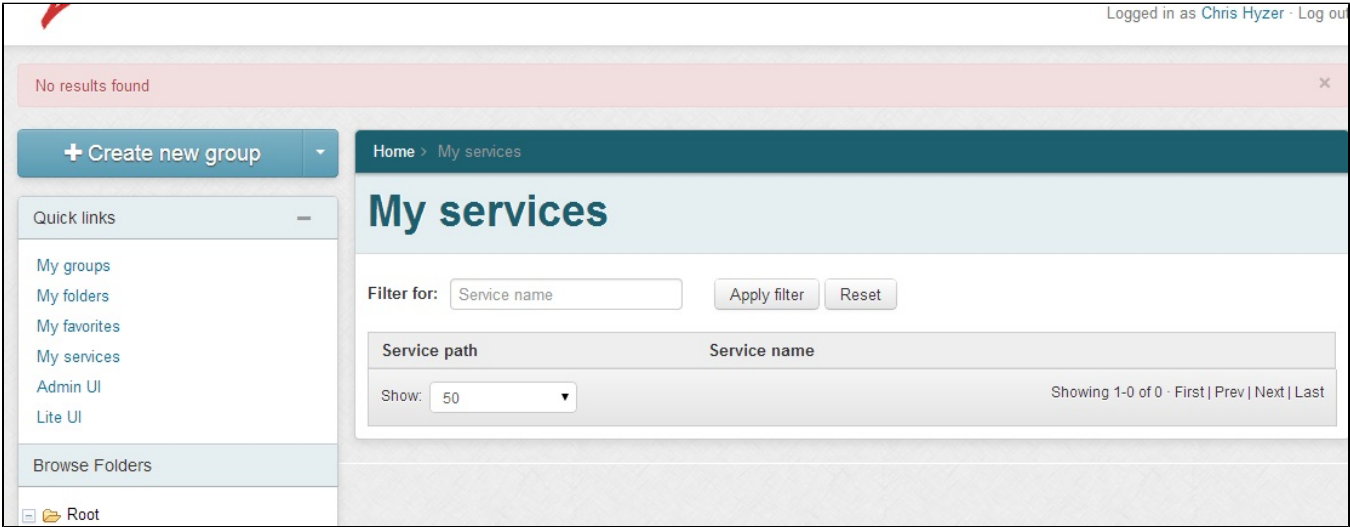
Search

The search function of the new UI is accessed from the top right of the UI. This will submit to the search screen. This search screen can filter in 6 areas: all object types, groups, folders, entities, attribute definitions, attribute names. The results are organized by object type and paged.

New group

The "new group" screen creates a new group in a specified folder in the Grouper namespace. The "new group" button is in the upper left of the UI. The folder combobox will default to whatever folder is being accessed, but can be changed to another folder. The combobox will only show result folders where the user is allowed to create groups. Generally the group name and group ID are the same, so to save time and help with consistency, as the user types in the group name, the ID will be populated with the same text unless the user chooses to have them differ.

In advanced properties, a "role" can be chosen as the group type, and privileges can be assigned to EveryEntity so that all users can VIEW or READ a group.

New folder

The "new folder" screen creates a new folder in a specified folder in the Grouper namespace. The "new folder" button is in the "new group" drop down in the upper left of the UI. The parent folder combobox will default to whatever folder is being accessed, but can be changed to another folder. The combobox will only show result folders where the user is allowed to create folders. Generally the folder name and folder ID are the same, so to save time and help with consistency, as the user types in the folder name, the ID will be populated with the same text unless the user chooses to have them differ.

+ Create new group

Quick links

My groups
My folders
My favorites
My services
Admin UI
Lite UI

Browse Folders

- Root
  - apetro-unicon
    - friends
      - java-devs
  - apps
  - aStem
    - aFolder32
    - library
  - atest
  - chris
  - community

New folder

Create in this folder:

Enter a folder name or search for a folder where you are allowed to create new folders.
Enter 'Root' for the top level folder

Folder name:

Name is the label that identifies this folder, and might change.

Folder ID: ☐ Edit the ID

ID is the unique identifier for this stem. It should be short and simple, and might have character restrictions. The ID should rarely change, if ever.

Description:

Description contains notes about the folder, which could include: what the folder represents, why it was created, etc.

[Save] [Cancel]

Group screen

The group screen is reached when a group is clicked on the UI. This could be in the menu, search results, or other screens that show groups. By default the group screen shows the group name and description and the members. The members tab of the group screen is sorted, paged, and filterable.   It shows immediate or effective members of the group which could be groups or non-group entities.

+ Create new group

Quick links

My groups
My folders
My favorites
My services
Admin UI
Lite UI

Browse Folders

- Root
  - apetro-unicon
    - friends
      - java-devs
  - apps
  - aStem
    - aFolder32
    - library
  - atest
  - chris
  - community
  - fgac

testGroup

+ Add members

More actions ▼

Description of testGroup

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]

☐	Entity name ▼	Membership	
☐	👤 Chris	Indirect	Actions ▼
☐	👤 Chris Hubing	Direct	Actions ▼
☐	👤 Chris Hyzer	Direct, Indirect	Actions ▼
☐	👥 christest	Direct	Actions ▼
☐	👤 GrouperSysAdmin	Direct	Actions ▼
☐	👤 Peter	Direct	Actions ▼

Group add members

The "add members" button in the upper right will show a hidden panel which has a combobox to find members to add.

The combobox will show results of searches in subject sources. Groups are returned which the user can READ. The control can be controlled with the keyboard.

Members can be added with default privileges (member), or they can be given other privileges in addition or instead

The user could use a modal dialog instead of the combobox. Note:a modal dialog can be used for any combobox in the new Grouper UI.

Search for an entity

test   [Search]

☐ Exact ID match

Choose a data source   [All: search all data sources   ▼]

Entity Name
👥 users:cmu:rrdoshi:test
👥 users:duke:shilen:TEST
👥 users:newCastle:richardJames:OrgStructure:test
👥 users:oxford:alex_dutton:Test
👥 users:penn:cintia:apps:PIT:Test
👥 atest:testGroup
👥 chris:christest
👥 chris:testGroup
👥 test2:whateverFolder:remoteTestPull
👥 test2:whateverFolder:remoteTestPush

[Close]

Group member action

For each member displayed on the Group screen, there is an action pull down which will show buttons available to the user depending on the row and the privileges of the user using the UI.

Group member edit membership

From the member action drop down, you can edit the membership. If it is a direct membership you can assign start and end dates

Home > Root > test > testGroup > Chris Hyzer

👥 Chris Hyzer

Membership and privileges in testGroup group

Unique ID: 0b5949edd3bf4b65a0ab7e9ce97a4cf9

Name: Chris Hyzer

Description: [unverifiedInfo] Chris Hyzer - Penn [externalUserID] mchyzer@upenn.edu

☑ Chris Hyzer **is a direct member** of the testGroup group

☑ Chris Hyzer **is an indirect member** of the testGroup group

Start date: yyyy/mm/dd
The date on which this entity's membership begins.

End date: yyyy/mm/dd
The date on which this entity's membership expires.

Save   Cancel   Trace

Group member trace membership

The membership trace is available from the actions drop down on the members tab of the group screen. You can see the path that a user has to the overall group.   The trace screen will explain nested groups, composite groups, and privilege inheritance (when dealing with privileges).

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overallgroup

Trace membership for Chris Hyzer

Chris Hyzer is a member of the *overallgroup* group by the following paths:

Chris Hyzer is a **direct member** of
⊕ test:leftfactor
⊕ which is a **composite factor** intersect with rightfactor of
⊕ test:overallgroup

Chris Hyzer is a **direct member** of
⊕ test:rightfactor
⊕ which is a **composite factor** intersect with leftfactor of
⊕ test:overallgroup

Chris Hyzer is a **direct member** of
⊕ test:testGroup
⊕ which is a **direct member** of
⊕ test:leftfactor
⊕ which is a **composite factor** intersect with rightfactor of
⊕ test:overallgroup

Chris Hyzer is a **direct member** of

Group menu

The group dropdown menu shows actions to perform involving the group. These are in a drop down so the buttons do not clutter the screen. The items in this drop down vary depending on the state of the group and the privileges of the user.

roup

+ Add members

More actions ▼

ivileges   More ▼

Add to my favorites
Leave group

Copy group
Delete group
Edit group
Edit composite
Move group

Export members
Import members
Invite external users
Remove all members

View audit log

Admin UI

ble lists all entities which are members of this group.

s ▼   Member name   App

embers

	Membership
	Indirect
	Direct
	Direct, Indirect
	Direct
min	Direct

Actions ▼
Actions ▼

Copy group

You can select "Copy group" from the group menu to copy a group and optionally its members, privileges, and attributes to another folder

See Also

[Grouper UI Installation - Configuring the Grouper UIs](#)

[LITE UIs](#)