Grouper web service - subject source - local entities

You can link up an account with a local entity. Here is an example from the demo server

Add a user via apache password store (or any other Authentication method) . In this example we will create an account named "test_local_entity" in the authentication source.

```
[mchyzer@i2midev1 ~]$ sudo htpasswd /etc/httpd/conf.d/users.pass test_local_entity
New password:
Re-type new password:
Adding password for user test_local_entity
```

You also need to expose this account to grouper via a Subject API.
Fortunately Grouper has a built in Subject API to expose local entities created in Grouper. You can use that feature if you don't have another Subject API that would return the account name via a Subject Identifier lookup.
Here are a few screen shots of creating a local entity in a "special folder" (path to the folder is used in the configuration later) created to hold local entities for use as Grouper Web Service accounts.
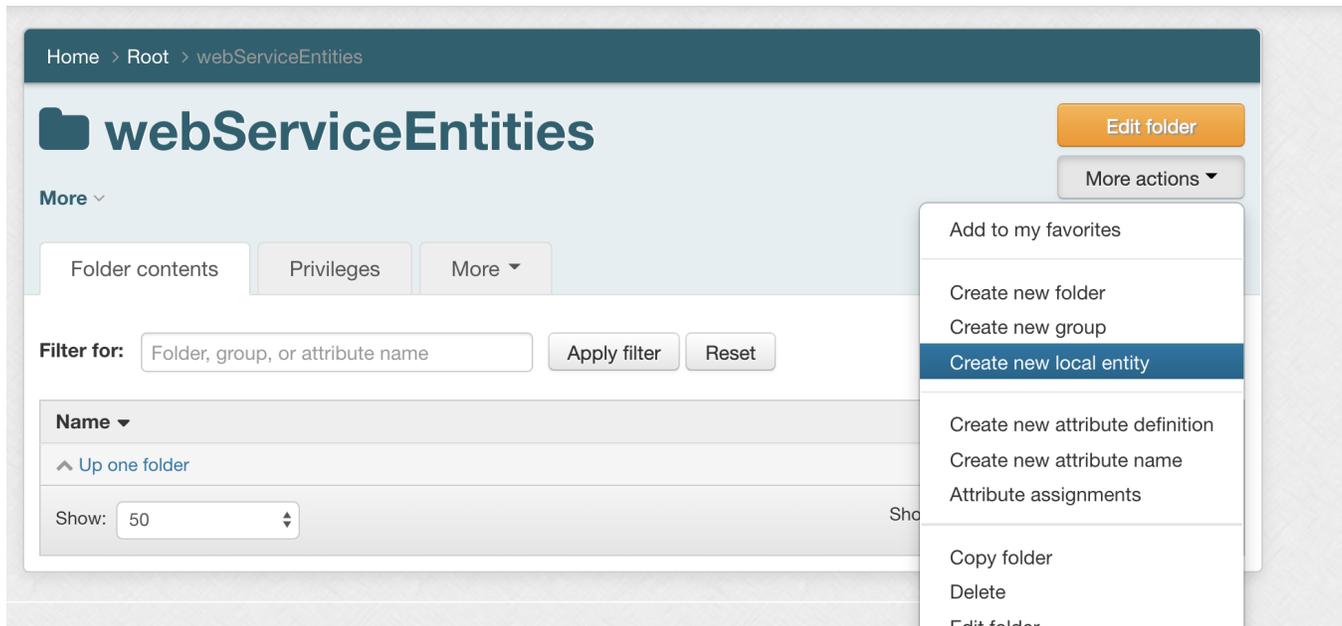
Note the 'Local entity name': needs to match the name of the account.

New local entity

Create in this folder: webServiceEntities

Enter a folder name or **search for a folder where you are allowed to create new groups**.

Local entity name: somePrincipal

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

Group ID: somePrincipal ☐ Edit the ID

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

Description: adding this principal for application xyz

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

Show advanced properties ⌄

Save **Cancel**

Add it to the WS group.

Note: It is best practice to never add a Subject directly to a policy group. (The webServiceUsers group is a policy group.)

- The reference group can be the Subject that is privileged to other objects Grouper.
- This allows for two or more web service accounts who need to be granted the same access a trivial change. (Add them to the same set of reference group(s))

webServiceUsers

+ Add members

More actions ▼

Member name or ID:	somepr
	☁ webServiceEntities:somePrincipal
Assign these privileges:	● Default privileges ○ Custom privileges
	Add or **import a list of members** .

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   Advanced

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Configure a prefix on logins on WS: in grouper-ws.properties to only select local entities from the folder where you store local entities for use with Grouper Web Services.

NOTE: Don't forget to KEEP the trailing ":" seperator. This string is used as a prefix string that is concatenated to any "username" that is returned from any authentication source.

```
# prepend to the userid this value (e.g. if using local entities, might be:    etc:servicePrincipals:   )
ws.security.prependToUserIdForSubjectLookup = etc:servicePrincipals:
```

Hit a link: login as test_local_entity and whatever_pass

https://grouperdemo.internet2.edu/grouper-ws_v2_3/servicesRest/json/v2_3_000/groups/test%3AtestGroup/members