

Subject Identifier column in member table

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As of Grouper 2.3, a new column has been added to the grouper_members table called subject_identifier0. This allows Grouper to store one subject identifier for each subject to reduce the number of subject lookups during certain operations. See the [Subject API](#) document for definitions and examples of subject identifiers.

You can store any subject attribute in this column using the sources.xml configuration. Here's an example:

```
<!-- subject identifier to store in grouper's member table -->
<init-param>
  <param-name>subjectIdentifierAttribute0</param-name>
  <param-value>uid</param-value>
</init-param>
```

Sync

To initially populate the column after you have configured it and if you make a change to this configuration again in the future, you should sync the attribute. For subjects that are people, you can use [USDU](#):

```
gsh 0% // run USDU to resolve all the subjects with type=person
gsh 1% GrouperSession.startRootSession()
gsh 2% subject=SubjectFinder.findById("GrouperSystem")
subject: id='GrouperSystem' type='application' source='g:isa' name='GrouperSysAdmin'
gsh 3% session=GrouperSession.start(subject)
edu.internet2.middleware.grouper.GrouperSession: 8106bdad683d43f88bf24c8e683f6162, 'GrouperSystem', 'application'
gsh 4% usdu()
usdu completed successfully
```

For subjects that are groups, you can run the following line using [GSH](#):

```
gsh 0% GrouperSession.startRootSession()
gsh 1% for (String g : HibernateSession.byHqlStatic().createQuery("select uuid from Group").listSet(String.class)) { subj = SubjectFinder.findByIdAndSource(g, "g:gsa", true); GrouperDAOFactory.getFactory().getMember().findBySubject(subj).updateMemberAttributes(subj, true); }
```