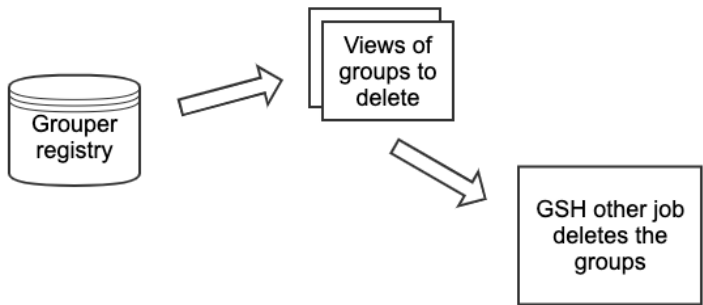


# Grouper daemon "other job" GSH script to delete orphaned includeExclude groups

<a href="#">Wiki Home</a>	<a href="#">Grouper Release Announcements</a>	<a href="#">Grouper Guides</a>	<a href="#">Grouper Deployment Guide</a>	<a href="#">Community Contributions</a>	<a href="#">Internal Developer Resources</a>
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The request is to have a job that deleted include/excludes when the main group is deleted from the loader. These examples are Oracle but can be easily translated to another database



Lets get some test data and make some include/exclude


grouper.properties

```
grouperIncludeExclude.use = true
```

Bounce UI

Create some groups and add include exclude

Home > Root > test > group2

 **group2**

More actions ▾

Group containing list of group2 after adding the includes and subtracting the excludes

More ▾

Members



Privileges

More ▾

Attribute assignments


+ Assign attribute

The following table lists all attributes assigned to this group

Assignment type	Attribute name	Enabled?	Assignment values	Attribute definition	Choose action
Direct assignment	 legacyGroupType_addIncludeExclude	enabled		 legacyGroupTypeDef_addIncludeExclude	Actions ▾

Delete some of the groups

Home > Root > test



# test


















[Edit folder](#)

[More actions ▾](#)

[More ▾](#)

[Folder contents](#)
[Privileges](#)
[More ▾](#)

Filter for:  [Apply filter](#) [Reset](#)

Name ▾
<a href="#">^ Up one folder</a>
 <a href="#">group1 excludes</a>
 <a href="#">group1 includes</a>
 <a href="#">group1 system of record</a>
 <a href="#">group1 system of record and includes</a>
 <a href="#">group2</a>
 <a href="#">group2 excludes</a>
 <a href="#">group2 includes</a>
 <a href="#">group2 system of record</a>
 <a href="#">group2 system of record and includes</a>
 <a href="#">group3 excludes</a>
 <a href="#">group3 includes</a>
 <a href="#">group3 system of record</a>
 <a href="#">group3 system of record and includes</a>
 <a href="#">group4</a>
 <a href="#">group4 excludes</a>
 <a href="#">group4 includes</a>
 <a href="#">group4 system of record and includes</a>

Show:  ▾

Showing 1-17 of 17 · [First](#) | [Prev](#) | [Next](#) | [Last](#)

Create a view of main group names and system of record group names

```
create view delete_incl_excl_main_groups_v as
select id as group_id, name as group_name, name || '_systemOfRecord' as systemOfRecord_group_name
from grouper_groups gg where gg.name like 'test:%'
and name like 'test:%' and exists (select count(1) from grouper_attr_asn_group_v gaagv
where attribute_def_name_name = 'etc:legacy:attribute:legacyGroupType_addIncludeExclude' and gg.id = gaagv.
group_id)
and (name not like '%_includes' and name not like '%_excludes' and name not like '%_systemOfRecord' and name
not like '%_systemOfRecordAndIncludes');
```

```
select * from delete_incl_excl_main_groups_v;
```

select * from g	select id as me	select * from g	select * from g	select id as me	select id as gr	select id as gr	select
Rows 2; select * from delete_incl_excl_main_groups_v;							
Results Meta data Info Overview / Charts Rotated table Results							
GROUP_ID	GROUP_NAME	SYSTEMOFRECORD_GROUP_NAME					
fc76036197fa45008bc5234f5f1822a2	test:group2	test:group2_systemOfRecord					
f36e154b7799449987d5294857a0ed29	test:group4	test:group4_systemOfRecord					

Create a view of non main groups

```
create view delete_incl_excl_nonmain_gr_v as
select id as meta_group_id, name as meta_group_name,
case
  when name like '%_includes' then substr(name, 1, length(name) - length('_includes'))
  when name like '%_excludes' then substr(name, 1, length(name) - length('_excludes'))
  when name like '%_systemOfRecord' then substr(name, 1, length(name) - length('_systemOfRecord'))
  when name like '%_systemOfRecordAndIncludes' then substr(name, 1, length(name) - length
('_systemOfRecordAndIncludes'))
end as source_group_name
from grouper_groups
where name like 'test:%' and (name like '%_includes' or name like '%_excludes' or name like '%_systemOfRecord'
or name like '%_systemOfRecordAndIncludes');
```

```
select * from delete_incl_excl_nonmain_gr_v;
```

select * from g	select id as me	select * from g	select * from g	select id as me	select id as gr	select id as gr	select id as gr	select i
Rows 15; select * from delete_incl_excl_nonmain_gr_v;								
Results Meta data Info Overview / Charts Rotated table Results								
META_GROUP_ID	META_GROUP_NAME	SOURCE_GROUP_NAME						
8fd8cc40867c45298eb07b4cf3dc53	test:group1_excludes	test:group1						
c0d1c895e390491dbe3c53d8597ac5ea	test:group1_includes	test:group1						
bca9758884214436a0e5797d1ccba375	test:group1_systemOfRecord	test:group1						
6c1423581d8340dfa09d5ac0c85400b	test:group1_systemOfRecordAndIncludes	test:group1						
3e267f465ae34dd2a014dec488ce8652	test:group2_excludes	test:group2						
49839ad7cee8439b9a86a38f63519e5b	test:group2_includes	test:group2						
9b61ce97a1e84509ad7bddf97ed0a736	test:group2_systemOfRecord	test:group2						
2be680bfa8b34f96ab02a887590d9163	test:group2_systemOfRecordAndIncludes	test:group2						
f9ad2b5a591245ead4d556252dc26d9	test:group3_excludes	test:group3						
f675f1f3556f478ea0d49d7d0e70f382	test:group3_includes	test:group3						
b64cbe1e590243f796dad0af61574ba2	test:group3_systemOfRecord	test:group3						
3fa3e9fb21964e628f927e1fa366903e	test:group3_systemOfRecordAndIncludes	test:group3						
82c18755fba14a959c24af0c197f2bf4	test:group4_excludes	test:group4						
4189db29e30640f1967e6f28897af62d	test:group4_includes	test:group4						
5fd6e1e585704a80ad2849ef63de8380	test:group4_systemOfRecordAndIncludes	test:group4						

Query of main group ids to delete

```
select group_id from delete_incl_excl_main_groups_v where not exists (select 1 from grouper_groups gg where gg.
name = systemOfRecord_group_name)
```

Query of non-main group ids to delete

```
select meta_group_id from delete_incl_excl_nonmain_gr_v where not exists (select 1 from grouper_groups gg where
gg.name = source_group_name)
```

GSH to delete main groups (to delete), then non-main groups (to delete)

```

grouperSession = GrouperSession.startRootSession();
import edu.internet2.middleware.grouperClient.jdbc.GcDbAccess;
groups = new ArrayList();
groupIds = new GcDbAccess().sql("select group_id from delete_incl_excl_main_groups_v where not exists (select 1
from grouper_groups gg where gg.name = systemOfRecord_group_name)").selectList(String.class);
for (i=0;i<groupIds.size();i++) {groups.add(GroupFinder.findByUuid(grouperSession, groupIds.get(i), true));}
for (i=0;i<groups.size();i++) { groups.get(i).delete(); OtherJobScript.retrieveFromThreadLocal().
getOtherJobInput().getHib3GrouperLoaderLog().addDeleteCount(1); }
groups.clear();
groupIds = new GcDbAccess().sql("select meta_group_id from delete_incl_excl_nonmain_gr_v where not exists
(select 1 from grouper_groups gg where gg.name = source_group_name)").selectList(String.class);
for (i=0;i<groupIds.size();i++) {groups.add(GroupFinder.findByUuid(grouperSession, groupIds.get(i), true));}
for (i=0;i<groups.size();i++) { groups.get(i).delete(); OtherJobScript.retrieveFromThreadLocal().
getOtherJobInput().getHib3GrouperLoaderLog().addDeleteCount(1); }

```

Put that in one GSH script if not in a gsh file in the container... 😊

grouper-loader.properties (note, the script source is all one line, each linebreak signified with \$newline\$). Again, if you want this in a script file mounted in your container or inn your subimage thats fine too and easier to read)

```

otherJob.deleteIncludeExcludeGsh.class = edu.internet2.middleware.grouper.app.loader.OtherJobScript
otherJob.deleteIncludeExcludeGsh.quartzCron = 0 13 * * * ?
otherJob.deleteIncludeExcludeGsh.scriptType = gsh
otherJob.deleteIncludeExcludeGsh.scriptSource = grouperSession = GrouperSession.startRootSession();
$newline$import edu.internet2.middleware.grouperClient.jdbc.GcDbAccess;$newline$groups = new ArrayList();
$newline$groupIds = new GcDbAccess().sql("select group_id from delete_incl_excl_main_groups_v where not exists
(select 1 from grouper_groups gg where gg.name = systemOfRecord_group_name)").selectList(String.
class);$newline$for (i=0;i<groupIds.size();i++) {groups.add(GroupFinder.findByUuid(grouperSession, groupIds.get
(i), true));}$newline$for (i=0;i<groups.size();i++) { groups.get(i).delete(); OtherJobScript.
retrieveFromThreadLocal().getOtherJobInput().getHib3GrouperLoaderLog().addDeleteCount(1); } $newline$groups.
clear();$newline$groupIds = new GcDbAccess().sql("select meta_group_id from delete_incl_excl_nonmain_gr_v where
not exists (select 1 from grouper_groups gg where gg.name = source_group_name)").selectList(String.
class);$newline$for (i=0;i<groupIds.size();i++) {groups.add(GroupFinder.findByUuid(grouperSession, groupIds.get
(i), true));}$newline$for (i=0;i<groups.size();i++) { groups.get(i).delete(); OtherJobScript.
retrieveFromThreadLocal().getOtherJobInput().getHib3GrouperLoaderLog().addDeleteCount(1); }

```

If you save that as grouper-loader.properties and import into the configuration editor it will get loaded into the database

Success: 4 properties uploaded to grouper-loader.properties. Added: 4, updated: 0, unchanged: 0, warnings: 0, errors: 0.  
 Success: the property 'otherJob.deleteIncludeExcludeGsh.quartzCron' value was added to the database  
 Success: the property 'otherJob.deleteIncludeExcludeGsh.scriptSource' value was added to the database  
 Success: the property 'otherJob.deleteIncludeExcludeGsh.class' value was added to the database  
 Success: the property 'otherJob.deleteIncludeExcludeGsh.scriptType' value was added to the database

+ Create new group

#### Quick links

My groups  
 My folders  
 My favorites  
 My services  
 My activity  
 Miscellaneous

#### Browse folders

Root  
 etc  
 test

Home > Miscellaneous > Configure > this

## Configuration files

Configure Grouper settings. Changes take a couple minutes to propagate to all JVMs connected to th

Config file

grouper-loader.properties

Select the config file you would like to view or edit

### grouper-loader.properties

#### Config chaining hierarchy

Grouper loader uses Grouper Configuration Overlays (documented on wiki) By default the configura loader.base.properties for the possible settings that can be applied to the grouper.properties

Choose action

Property name

Actions

loader.config.hierarchy

Time test - multiple comma separated values

You need to have Grouper pick up the new jobs

Home > Miscellaneous > All daemon jobs

## All daemon jobs

Filter for:

Job name

Common filters

☐ Show extended results?

☐ Show only errors?

Apply filter

Reset

More actions

All daemon jobs

Add daemon

Loader jobs

Job history chart

Schedule jobs

Then you can manually run the job and see some deletes

Home > Miscellaneous > All daemon jobs

All daemon jobs

More actions ▾

Filter for: gsh

Common filters ▾

☐ Show extended results?

☐ Show only errors?

Apply filter

Reset

Next refresh: 19

Job name	State	Overall status	Last run status	Actions	Schedule
OTHER_JOB_deleteIncludeExcludeGsh	ENABLED	ERROR		Job actions ▾	CRON: 0 13 * * * ? At 13 minutes past the hour

Show: 50 ▾

Run job now

Disable job

View daemon logs

Edit daemon

Delete daemon

See the right number of deletes

Home > Miscellaneous > All daemon jobs > Daemon logs

Daemon logs

Filter for: OTHER\_JOB\_deleteIncludeExcludeGsh

Start time between: yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

End time between: yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Last updated between: yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Subjobs: ☐ Show subjobs

Status: ☐ Success ☐ Error ☐ Started ☐ Running ☐ Warning ☐ Config error ☐ Subject problems

Number of rows: 400

Apply filter


Reset

1 logs found for job name: OTHER\_JOB\_deleteIncludeExcludeGsh

Status	Loaded group	Job type	Start time	End time	Millis	Millis get data	Millis load data	Total count	Add count	Update count	Delete count	Unresolvable count	Log ID
Success	N/A	overall	2020-07-22 17:25:45.0	2020-07-22 17:26:08.0	23116			0	0	0	12	0	4028d69

See the correct groups in the registry

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

 **test**

[Edit folder](#)

[More actions ▾](#)

[More ▾](#)

[Folder contents](#)

[Privileges](#)

[More ▾](#)


**Filter for:**


[Apply filter](#)


[Reset](#)


**Name ▾**


[^ Up one folder](#)

 [group2](#)

 [group2 excludes](#)

 [group2 includes](#)

 [group2 system of record](#)

 [group2 system of record and includes](#)

**Show:**  ▾

Showing 1-5 of 5 · [First](#) | [Prev](#) | [Next](#) | [Last](#)