26-Oct-2022

Grouper Call of Oct. 26, 2022

Attending

- Chris Hyzer, Penn, Chair
- Shilen Patel, Duke
- Vivek Sachdiva, independent
- Chad Redmon, UNC
- Carey Black, Purdue
- Drew Aschenbrener, Internet2
- Chris Hubing, Internet2
- Emily Eisbruch, Internet2

Next Action Items from this call

- Chris - create wiki about provisioning error codes and explain what they are
- Chad - update wiki for new SCIM provisioner
- Chad - add flag to enable SCIM provisioner and default it to TRUE

Administrivia

- Internet2 Intellectual Property Policy
- Review AIs Grouper Project Action Items (Google Doc)
- Agenda Bash

Current Projects

Vivek

- Azure provisioning
    - Throttle issue
    - Batch, look at return code, see the throttle seconds, 150 seconds often, max number of seconds returned from items in the batch, it will sleep that amount of time plus 5 seconds buffer, then redo the ones that got the 429. If it works in threads it still works.
    - Should address the 2 issues at U-MICH: throttling and missing members
    - Question : how does a local deployer understand the start and stop of provisioning? Will logs show that throttling was happening?
    - What do you do to validate the value you get back?
    - Count throttles, count seconds, have a max
    - Vivek will work on Logging

- Crud default - only for track groups

Shilen

- Making the provisioner work better with unresolvable subjects
- Gets marked in Grouper Members Table as unresolvable
- After 30 days it will get marked as deleted
- But if the subject is marked as deleted, it should not get pulled into what the provisioner is looking at
- If subject is unresolvable but not deleted, by default it is pulled in to provision, but you should have option to treat the subject as if deleted for purpose of provisioning
- Code does validation
- If entity is not provisionable , but is in the target, then even if it is going to delete the entity from target it will end up with an error
- Shilen added tweak to skip validation
- Shilen will look at grouper sync membership table
- Entity updates issue can get complex

Chris

- Met with community members from Harvard, Illinois State
- walked them through the provisioner
- It will be important to provide support to the community
- Getting better ideas for documentation
- Grouper 2.6.16 is working well

- Grouper 2.6.17 will have new Azure work, and an improvements on selecting
- Have test case for Azure, should have test case for all the provisioners
- Hope to release 2.6.17 within a few days
- Chad notes that he has been supporting community members provisioning to Azure with Grouper v2.6.16 and there have been questions.
- AI Chris create wiki about provisioning error codes and explain what they are
- Carey: have a group in Grouper for people who did not make it in provisioning?
- Chris will think about this. Maybe have provisioning screen easy view. Now you can go to activity log in UI. But will try to make it easier, on membership screen
- Some would expect to see this on the provisioning screen

- In Grouper 2.7
- See Roadmap
- we want a pared down container
- To improve performance
- Start using new DDL strategy
- New integer primary key
- Dictionary table
- Go thru existing tables and add new columns
- Migration to Grouper 3.0 with changing tables
- Changing from Guids (40 chars) to integer IDs (8 bytes or 22 bytes) will be helpful.
- Will have a storage, network and memory benefit
- Less indexes
- Need on groups, members, maybe on stems
- Then build new system with ideal more database design
- Issues:
- Concern for how difficult it might be to do the upgrade for a current deployer
- Custom queries may need to be upgraded
- Loader jobs that depend on Grouper tables will need to be upgraded

Chad

- SCIM provisioning, first pass is done, it's in web services
- Get off of TomEE
- AI Chad - update wiki for new SCIM provisioner
- AI Chad - add flag to enable SCIM provisioner and default it to TRUE

- Working w customer has Grouper with AWS / SQL
- Looked at that with new provisioner
- Lookup
- Penn uses table in AWS for subject source
- Chris will share configurations
- Use Daemon
- Do a SQL sync job, full and incremental
- Put a trigger and change log table
- Then can do incremental updates and full sync and it works quickly
- Once we have data fields the remote reaching out to get users will go away
- There are some issues with the Defaults, MAX RESULTS said 100 but was unlimited
- Chad tried to set it to small value, but doing batch lookups for a loader, it batches
- MAX RESULTS must be at least 180
- It's not documented well
- Do we need the new default?
- There is already a jira

- Postgress max connections, defaulted to 100
- There are a lot of brief pages on postgress and none mention the max connections
- Made a change on the specsheet

- Chad and Chris Hubing are looking at Jenkins Java

- Java 11 versus Java 17
- Things more likely to work with Java 11 since it's closer to where we are
- We should try Java 17 and find out if there is any blocker
- Better to use the latest version if possible

Issue Roundup

Jiras in past two weeks

GRP-4445
SQL subject source should show form field for maxPageSize

- GRP-4444
  show adds and updates and deletes if there is a long attribute list in provisioning logs

- GRP-4443
  run harvard group of names add a large group, takes 20 minutes

- GRP-4442
  allow nulls in jexl scripts

- GRP-4440
  provisioning translate DNs even if they are not cached

- GRP-4439
  Subject source adapters don't limit query to default limit when max results is blank

- GRP-4438
  azure error on memberships (null pointer)

- GRP-4437
  syncing large group to azure misses some members

- GRP-4436
  WS SCIM 2 allow to enable/disable via configuration property

- GRP-4435
  WS SCIM 2 to implement PATCH method

- GRP-4434
  WS SCIM 2 to implement Bulk updates

- GRP-4433
  WS SCIM 2 to implement /Schemas endpoint

- GRP-4432
  Rewrite SCIM 2 service to remove dependence on J2EE and TomEE

- GRP-4431
  grouper junit should shut down after test after a delay, and cancal shutdown on startup

- GRP-4430
  upgrade commons text

- GRP-4429
  MembershipSave.save() doesn't return a membership on insert

- GRP-4428
  For SQL subject source, add option for search column to wildcard just the suffix

- GRP-4427
  adjust mailNickname documentation to note the max length

- GRP-4426
  do not symlink /run/secrets

- GRP-4425
  provisioning edit provisionable if set provision to No, then it doesnt save (when previously provisionable)

- GRP-4424
  translate objects with default values

- GRP-4423
  provisioner exception

- GRP-4422
  allow other system to remove memberships in provisioning

- GRP-4421
  change dockerfile to get java from rpm and not direct install

Grouper Emails in recent week

- **[grouper-users] edu.internet2.middleware.grouperClient.ws.GcWebServiceError: Bad response from web service: resultCode: PROBLEM_GETTING_MEMBERS**, Sahull, 09/14/2022
- **[grouper-users] Azure Provisioner null pointer exception error**, Sahull, 09/15/2022
- **[grouper-users] fun with DDL upgrade**, Jeff McCullough, 09/21/2022
- **[grouper-users] using two instances of PSPNG**, Ben Beecher, 09/21/202

Thanks Chad for responding to this

[grouper-users] Peer help required to smuggle uid shib var to grouper-ui, Francesco Malvezzi, 10/05/2022

- **Re: [grouper-users] Peer help required to smuggle uid shib var to grouper-ui**, Chad Redman, 10/05/2022
  - **Re: [grouper-users] Peer help required to smuggle uid shib var to grouper-ui**, Francesco Malvezzi

Grouper wiki updates in past two weeks

- Penn membership requirements
- How to Setup an ultra-lite GSH Grouper Development Environment for Grouper v2.6
- v2.5 Release Notes
- Grouper Web Services