dCache information publishing

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SARA

dCache information publishing

- With srm v2.2/Glue1.3 we wanted to publish space token information of spaces that have been set up without hacking into a static ldif file

dCache information publishing

- Script written in python
- Depends on psycopg2 which is a python wrapper for postgres
- Only publishes space token related information
- Goes straight to the "dcache" database on the srm door node

dCache information publishing

- Gets vogroup, linkgroup, space token description, retention policy and access latency from the "srmspace" table
- Gets vogroup,vorole from srmlinkgroupvos table
- There is lots of data in the srmspace table
  - Need to filter out what's needed
    - Only want static reservations
    - Only get information about reservations that are not expired
      - creationtime+lifetime>now
    - Vogroup should not be null
    - Space token description should not be null
    - State should be "reserved" (state=0).

- Our SE GRIS runs on the srm node, so only local access to the database is needed.

- Script can run elsewhere but then a db user needs to be defined who can access the dcache db over the network and is allowed to do a "select" on the srmretentionpolicy, srmaccesslatency, srmlinkgroupvos and srmspace tables.

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- Originally wrote script that only published the VOInfo object
  - But that was before the long email discussion

- Now working on a script that publishes the SA object as well
  - Compliant with the proposal in the GSSD wiki
  - Almost finished
  - Will be uploaded to the dCache wiki when ready

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- VOInfo
  - Only queries to the dcache db are needed

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- **SA**
  - Needs queries to the dcache db
  - Need to get information about:
    GlueSATotalOnlineSize
    GlueSAUsedOnlineSize
    GlueSAFreeOnlineSize
    GlueSATotalNearlineSize
    GlueSAUsedNearlineSize
    GlueSAFreeNearlineSize
  - Site needs to provide this information
    - For disk:
      - put the pools which a SA consists of in a single pool group
      - Get the information from the infoproviderDomain in the admin interface
    - For tape:
      - That's your problem

GlueSARoot

- Deprecated since Glue 1.2
- Was still checked by GStat
- Not supplying it turned your site grey in the GridView site availability pages
- It looks like that the middleware doesn't need it.
  - Changed it into a non-existing path and we were still passing SAM tests
- Has been fixed now