Persistence Management in JC/LM

Alessio Gianelle
INFN Padova

Persistence in JC/LM

- Data are stored using the "filelist" mechanism.

- There are essentially two types of data stored by JC/LM:
    - Information on each "active" job (e.g., non-terminated jobs)
    - Timers to manage condor events

Active jobs

- For every job it saves these data:
  - GridID
  - CondorID
  - CondorStatus
  - LastStatus
  - SequenceCode
- We need to know the CondorID given the GridID but also the vice versa.

Timers

- ## Timers are used
  - When a job is removed from the Condor queue (we are not guarantee that the operation is successfully)
  - When a GlobusDown event arrived for a job (we can not wait for a GlobusUp event for ever)

Auxiliary data

- There are other files stored in the filesystem:
  - The condor submit file
  - The JobWrapper
  - The ClassAd file
  - Standard Error/Output of the JobWrapper