

# Review of new middleware requirements

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- [1673](#) : SRMv1 to be removed from gLite DPM box
  - SRMv1 is no longer used, but it still deployed and active on port 8443 in all DPM instances
  - To free unused resources the service could be disabled by default

1974 : up to date information in BDII

- dynamic resource information like FreeCPUs or WaitingJobs are used by workload manager and users to choose the job submission target
- These information are not always reliable
- This issue looks to be more operational than a requirement for EMI
- Ticket would be closed

2200 : align information provided by CE implementations

- Triggered by [GGUS #70719](#) requesting UNICORE CE to publish the expected wait time for the job in the queue
- Submitted as a more generic requirement for all CE implementations to publish the same set of information
  - The set of mandatory information needs to be defined
  - The requirement needs discussion offline

## 1983 : Error messages from middleware

- Standardization of exit codes
- Error messages should be easy to parse and the information contained should be easy to automatically extract
- The error messages and logs harmonization is a huge task for EMI
  - Too much effort for the PTs
- Which priority for this task? Is this an urgent problem that should be addressed before other development?
- A requirement containing specific problems would be more effective
  - Uniform error messages among different implementation of the same interface (SRM)?
  - Uniform error messages among services operating the similar capabilities (CE and WMS, or SRM FTS and LFC)?
  - For specific problems in error message should we propose a specific survey to site managers. Otherwise site managers can open a GGUS ticket.

- [2267](#) : Support for SLES
  - Middleware services should be available for SuSE
  - Ticket submitted by a site manager from NGI\_DE
    - Previous survey Jan-Feb 2011 another NGI requested SuSE (NGI\_CH)
  - Will check offline with NGI\_DE if this could be considered a requirement from the whole NGI

## 2274 : Service under RH following System V init system

- Services scripts should be in /etc/init.d/ and should have standard return values when queried for the status
- This requirement is partially included in 1357, for the file locations
  - In EMI-2 plans

2278 : all services should support high availability

- To reduce impact of hardware failures
- CREAM, WMS, MyProxy

2279 : all services should support load balancing

- A site should be able to set up a service in LB configuration instead of setting up multiple service instances to take the load
- CREAM, WMS, FTS (Agent, web service has LB solutions)

- [2280](#) : support for LSF
  - For CREAM – BLAH
  - Other ticket with LRMS requirements: [1235](#)
  - A survey among site managers to gather the batch system utilization scenario is ongoing here: [Batch system survey on Zoomerang](#)