

# Real Time Monitor

Wednesday 9 May 2007 19:30 (20 minutes)

**Describe the scientific/technical community and the scientific/technical activity using (planning to use) the EGEE infrastructure. A high-level description is needed (neither a detailed specialist report nor a list of references).**

The Real Time Monitor (RTM) is both an eye catching demonstration and a historical job analysis tool. By gathering information on active jobs from Resource Brokers, the RTM Java application provides a powerful visual way to show public audiences the current reality of a geographically distributed and actively functioning EGEE Grid. The RTM also summarises jobs as they finish, and publishes daily summary reports. We are also involved in the WLCG Monitoring Working Group

**Report on the experience (or the proposed activity). It would be very important to mention key services which are essential for the success of your activity on the EGEE infrastructure.**

The RTM has been in existence for several years, having undergone various changes.

The current version relies on querying Resource Brokers directly (as have all previous versions), and relies on the BDII to provide information about the geographical location and resources of EGEE sites. The use of the BDII has meant requesting corrections in GlueSchema information for many sites, and this is ongoing as new sites continually join the EGEE framework.

The RTM has been in high demand for public demonstrations, and EGEE associated projects have also requested to be represented (SEEGRID,EELA,EUMEDGRID,EUCHINAGRID,TRIGRID,GILDA).

**With a forward look to future evolution, discuss the issues you have encountered (or that you expect) in using the EGEE infrastructure. Wherever possible, point out the experience limitations (both in terms of existing services or missing functionality)**

The use of the L&B API for gathering information from the Resource Brokers would be preferable, but so far the API is not suited to the types of query necessary for the RTM.

Involvement in the WLCG Monitoring Working Group means we hope to be able to provide

more information back to Site administrators in a meaningful way,  
to improve the EGEE  
Grid fabric reliability.

**Describe the added value of the Grid for the scientific/technical activity you (plan to) do on the Grid. This should include the scale of the activity and of the potential user community and the relevance for other scientific or business applications**

This is a Grid monitoring tool, and so I do not know how to  
answer this question.  
There is no RTM without a Grid...?

**Author:** Dr MOONT, Gidon (GridPP/Imperial)

**Co-author:** Dr COLLING, David (GridPP/Imperial)

**Presenter:** Dr MOONT, Gidon (GridPP/Imperial)

**Session Classification:** Poster and Demo Session

**Track Classification:** On-line Demonstrations