

Subject: First estimates for SL5 WNs
From: Markus <markus.schulz@cern.ch>
Date: Thu, 22 May 2008 20:48:21 +0200
To: Alberto Aimar <Alberto.Aimar@cern.ch>
CC: Ian Bird <Ian.Bird@cern.ch>

Hi Alberto,
please forward the following message to the LCG management board:

gLite-WNs for SL5.

We went into the more detailed planning for the porting of the gLite-WN to SL5.

Efforts to port the gLite-WN to SL5 are going on since a while and some problems have already been solved, however these activities have been limited in scope. In addition we expect that bug fixes and updates to the SL4 production middleware have higher priority.

I would like to bring this to the attention of the LCG-management board because it will be very unlikely that we can provide production quality gLite-WNs on SL5 by the end of August. This is required by the plan to move to SL5 in September.

The earliest date will be be able to deliver this is September 19th, a more realistic date is October 3rd.

Here now the time line:
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Define the best approach for multiplatform approach in Etics and verify that the concept works well with Etics.

Estimate the impact of VDT-1.10, Condor and Classad changes on the middleware clients, decide wether we should go with 1.10 or stay with the current gLite-3.1 environment.

Cleanup and improve (build) configuration for clients.

SA3 + JRA1 + ETICS (Integrated 1 FTE)

----- finished June 6th

Get a complete build configuration for the WN in ETICS and create a list of concrete build issues on SL5

1 FTE SA3 2 weeks

----- finished June 20th

Iterate with developers until the WN clients all build successful (this can be anything from 1 week to infinity). Since Eamonn already has an 80+ % build and iterations take about 1 week we estimate 4-6 weeks.

JRA1 (depends) SA3 (2/3 FTE)

1st successful complete WN build at:

----- finished early: July 18th - late: August 1st

Start of runtime tests. Assuming fast responds from developers we can have one iteration per week. Minimum 2 weeks of internal testing. After second round assessment of non trivial runtime problems. Two more iterations with developers + 1 week for packaging and documentation.

Total 5 weeks.

SA3 (1 FTE) JRA1 (depends)

End of internal testing, start of user testing in PPS like environment

----- finished early: August 22nd - late: September 5th

Assuming that users are eager to test AND find resources during this period to test we assume a minimum of 4 weeks.
This are 2-4 iterations with the developers.

SA3 (1/2 FTE) JRA1 (depends) SA1 (1/2 FTE) Users (?)

WN production ready at:

----- finished early: September 19nd - late: October 3rd

The UI will require slightly longer due to the larger set of components on the node type, but it follows the WN in the pipeline.