



Open Science Grid

Open Science Grid Top-Level BDII

8 June, 2011

**Rob Quick
OSG Operations Coordinator
Indiana University**



OSG Top-Level WLCG BDII Timeline

- November 2010 - OSG Blueprint Meeting, discussion of the possibility of OSG Operations hosting Top Level WLCG BDII for USATLAS and USCMS
 - Initial Report
- January 2011– WLCG Information Officer Alerts OSG Operations of Official Request for BDIIs at BNL/FNAL
- February 2011 - Final Implementation Report Produced and Approved
- Holding pattern since then...
- Currently eagerly awaiting the outcome of static BDII Testing Lorenzo is conducting
- Implementation, Testing, Production Release - TBD

Highlights of the OSG BDII Implementation Plan

- Indiana University and OSG Operations would host a production quality Top-Level WLCG BDII Service on behalf of BNL/FNAL
- Hardware Specification – Similar to CERN Hardware setup
- Failover and Load Balancing – LVS
- Change Management Procedures – Mirror other OSG Operations Services (ITIL Inspired)
- Availability Expectations – 99%
 - OSG BDII has functioned at 99.92% Availability for past 18 Months

Concerns

- We have yet to run a BDII v5 at production quality
 - OSG BDII is running a very stable v4 version
 - “Reject All” case is still plaguing us in v5
 - Rebuild not Restart to correct this issue
 - Testing of v5 stopped about a month ago for other priority work
 - Testing to restart later this week
- Historically most instability issues for OSG BDII have been network (institutional firewall) related
 - We’ve moved out of the institutional FW
 - Will network be sufficient for Top-Level traffic?