



# SHA-2 Readiness and Plans

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# Sites



- Steadily upgrading remaining affected services to SHA-2 compliant versions
- Main concern are Storage Elements
- [Nov 28 EGI OMB meeting:](#)
  - 5 dCache, 7 StoRM still to be done
- OSG:
  - BNL → Dec 17
  - FNAL → started, aiming to be ready in Dec

# Clients



- dCache SRM client needs a newer version to be able to handle SHA-2 **host** certs!
- Some CMS sites may have configured that client for their local staging operations
- Some CMS users were using it recently
- 2.6.12 released on Dec 2 as part of [EMI-3 Update 11](#)
- 2.2.x update for EMI-2 is being prepared



# Experiments

- Each of the experiments has tested a lot and not run into any showstoppers
  - SHA-2 certs were obtained from the new CERN CA and registered in VOMS as *secondary* certificates
- The experiments look ready for SHA-2



# Timelines

- By mid January the WLCG infrastructure is expected to be essentially ready
  - We may be able to ignore any remaining stragglers by the end of Jan
- It is unlikely for SHA-2 certs to appear still this year
  - The OSG CA foresees starting mid Jan
  - The CERN CA will switch when WLCG is ready
    - New SHA-1 certs get 6-month lifetime since Dec 1

# VOMRS



- VOMRS does not support SHA-2 directly
  - But *secondary* certs can be of SHA-2 type
- It is to be replaced by VOMS-Admin
  - With a different GUI and CLI for the experiments to adapt to
- VOMS-Admin test setup is being prepared
  - Loaded with VOMRS data a few weeks ago
  - Configuration needed to be cleaned up
  - VOMS-Admin instability being investigated