



# WLCG Workshop

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## GDB

14 September 2016

# WLCG Workshop will be held in conjunction with CHEP 2016

## WLCG Workshop 2016, in conjunction with CHEP 2016

8-9 October 2016  
San Francisco Marriott Marquis  
US/Pacific timezone

Overview

Scientific Programme

Timetable

Contribution List

Participant List

The WLCG workshop 2016 will take place the weekend before the CHEP 2016 conference in the same conference location, Hotel San Francisco Marriott Marquis. For more details, please check the [CHEP 2016 web site](#).



**Starts** 8 Oct 2016 09:00  
**Ends** 9 Oct 2016 18:00  
US/Pacific



San Francisco Marriott Marquis  
Hotel  
780 Mission Street San Francisco California  
94103 USA

<https://indico.cern.ch/event/555063/>

# Agenda (1)

- 2 days of discussion and brainstorming on WLCG evolution
- Follow up on some key areas discussed in Lisbon (data management, cloud provisioning, security)
- Include topics which were not covered in Lisbon ( network, software efficiency and understanding of the performance of the experiment workflows)
- Aim to have interactive sessions with a lot of discussions rather than just status reports

# Agenda (2)

- Following the outcome of the Lisbon workshop some new task forces were organized (Accounting Task Force) and some issues were followed up in already existing task forces and working groups (IS evolution)
- We do not intend to review all those areas of work in case they were sufficiently presented at other forums (GDB) and desired progress was demonstrated
- Did not include in the agenda monitoring where a lot of work is currently being performed, waiting for more user experience with the new implementation
- Try to avoid overlap with CHEP presentations
- Many thanks to the session conveners and people who are helping in organizing particular sessions though do not go to CHEP (Markus Schulz, Marian Babik, Edoardo Martelli).

# Agenda 8<sup>th</sup> of October

- Before lunch - presentation from Ian Bird on update on the requirements, data management and security sessions
- After lunch network session, presentation on technology evolution and collaboration board
- The detailed content of the sessions is still evolving. Further details provided at the next slides represent initial drafts from the session conveners. Not all conveners yet confirmed their participation, so some names are missing in the agenda.

# Data management session

- The session content was discussed at yesterday pre-GDB. Though initially intended to discuss the disruptive changes, after yesterday discussion decided to concentrate on current activities and issues:
  - protocols
    - SRMless operation
    - resource reporting
  - storage consolidation
    - caching
    - multi-site storage
    - local federations
    - cloud storage

# Security session

- Work of the WLCG WG on Security Operations Centres
- Traceability and isolation paradigm
- Trust frameworks

# Network session

- Update on IPv6
- LHCOPN/LHCONE status
- LHC Network Evolution
- LHC schedule + DDM network predictions
- Invited to participate ESNet people who are based in San Francisco



# Agenda 9<sup>th</sup> of October

- Afternoon is dedicated to HSF
- Morning is split in two sessions :  
performance and efficiency (workflows and software) and cloud procurement experience

# Performance session

- First part is dedicated to the analysis of the efficiencies of the experiment workflows and T0 efficiency. This includes current state of understanding of the performance. Do we have all necessary tools? Progress in this area from Lisbon
- Second part is to discuss software efficiency and low level analysis. Lessons learned. Commonalities. Are we working together?

# Cloud session

- T0 experience with cloud procurement (T-systems, HNSciCloud)
- Tier-1s work with Amazon
- Tier-2 cloud experience
- Open floor discussion
  - Local shared storage vs. higher network bandwidth
  - Can cloud technology help simplify setting up and running a Tier-2?
  - ...