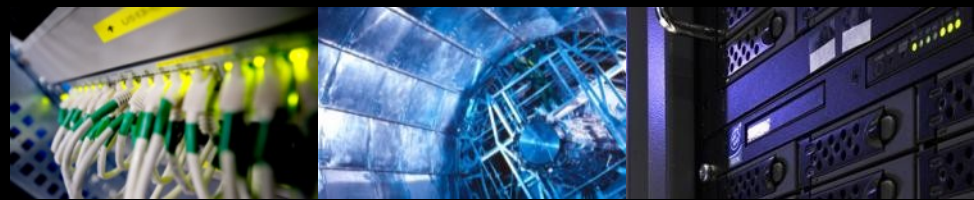


Technical discussions in GDB

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GDB

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Background

- Need for a forum for more technical discussions has been long-standing, but not really happened
- For future sustainability we must
 - foster common projects where possible
 - Understand how to make use of changing technologies
 - Understand what we must have from external projects
- Important that all stakeholders can discuss the issues
- Important that we try and build a more collaborative effort in certain areas –
 - We should rely mainly on the WLCG collaboration and less on external projects as much as possible
- GDB agendas have capacity for additional items
- Propose to use GDB to start broader discussions at technical level on topics for future evolution of WLCG
 - Outline WLCG position on certain topics for input to other projects (EGI, EMI, OSG, etc.)

Examples of topics that should be addressed

- Data management & Storage systems
 - Follow on with process started in Amsterdam
 - Many topics here....
- Security
 - What are real requirements on data security/access control/traceability?
 - What is future of X509 vs alternatives?
- Clouds/virtualisation
 - What is the model? What is required?
 - How can we use public clouds?
- Databases; NoSQL?
- Information Service
 - What are real needs of the experiments now
- Job management
 - Pilot jobs and pilot factories imply much simpler usage of CE
 - How do virtualised infrastructures impact this?
 - Needs for WMS?
- Tools and other services
 - Monitoring, messaging etc., etc.
- Use of multi-core machines/ whole node scheduling, etc.
- Networking – LHCONE, etc.
- Management of software for WLCG
- ...
- ..

Next steps

- Pick 1-2 topics for next GDB
- Devote afternoon to them
- Find someone to chair/prepare discussion
 - Ask experiments 1-2 slides on their position
 - Discussion
 - Minutes and summary document!
 - As necessary – follow up (working groups, second discussion, etc.);
 - ...
- NB. Lots of potential topics –
 - Could have additional discussions, use WLCG workshops, etc. as required