

Some general comments

- Outcome should be a *documented* strategy
- Not everything needs to go back to square one!
 - Some things work!
 - Some work has already been (is being) done (e.g. Data management)
 - But the strategy needs to be documented
- The work must include consideration/models for long term support and sustainability

Data Management

- **Distributed data management and tools**
 - Follow on from work on Amsterdam demonstrators etc
 - Data placement, caching
 - FTS re-write/replace
 - “xrootd”
 - Transfer protocols
 - Data access security needs/access control
 - Continued use of POOL? (only ATLAS?, how long?)
 - Interaction between DM tools and ROOT, Proof?

Storage Management

- More to address site related services
 - Separation of archives and disk pools/caches
 - Future storage system needs: e.g. how should dcache, DPM, EOS, etc. evolve?
 - What are the storage system interfaces? SRM, S3,...
 - Filesystems / protocols: NFS4.x, S3, ...
 - Security/access controls
 - These are site-run services: management interfaces? Monitoring? ...

Workload management

- Encompasses a broad range of topics
 - Pilots and pilot frameworks
 - What is needed from a CE now?
 - Is a generic WMS required by WLCG?
 - Use cases for clouds
 - Use of virtualisation –
 - experiment expectations for using CERNVM, arbitrary images? (re-Hepix work)
 - Site expectations for use of virtualisation in managing sites
 - Security model (MUPJs, etc.)
 - Whole node scheduling
 - How to ask for/use GPUs (is it required)
 - Information services – what is needed, what tools?

Databases

- Scope should be use of “grid” database services
 - Not use of a db within an arbitrary application
 - LFC? What is still required? Deployment model
 - Frontier, squids, etc, vs 3D/streams, Goldengate, DataGuard, etc
 - What long term support is needed for Coral, COOL?
 - Work started in database workshop in June

Security model

- Should review risk analysis – what are the real threats now? Where should we focus
- Is the trust model still appropriate?
 - E.g. can we simplify the “glexec” issue?
- X509/VOMS/IGTF have been essential in having a world-wide use of resources
 - But there are problems associated with proxies
- Can/should other federated ID management systems be integrated?

Operations tools and services

- Need to document all the other pieces that we need supported
 - Monitoring (SAM, Nagios, etc.); better monitoring needs? Ability to analyse monitoring data?
 - Support tools (APEL, GGUS, etc.)
 - Underlying services (ActiveMQ, etc.)
 - Operational requirements on middleware
 - Application software management (e.g. cernvmfs)
 - Software management of middleware
 - Deployment management
 - Configuration management

Schedule

- Form groups asap – aim to have them start early September
- First documents should be produced by end of 2011



Responses received

- ATLAS, CMS agree with direction and will propose names
- LHCb, ALICE: ?
- OSG: sent letter of endorsement and names
- EGI, EMI ?
- Apps area-Pere Mato: several useful comments:
 - Discussion on next generation of software frameworks
 - this needs to be taken into account
- CNAF: propose chair for WLM wg
- UK: names for various wg's

Next steps

- Encourage nominations for chairs of the groups urgently
 - I will propose names for missing areas
- Ask them to select experts for the groups, and to set agendas for the discussions
- Timescales:
 - End Aug: chairs and members selected
 - Mid-Sep: WG's started
 - Oct, Nov (GDB?): progress reports of WG's
 - End 2011: first documents