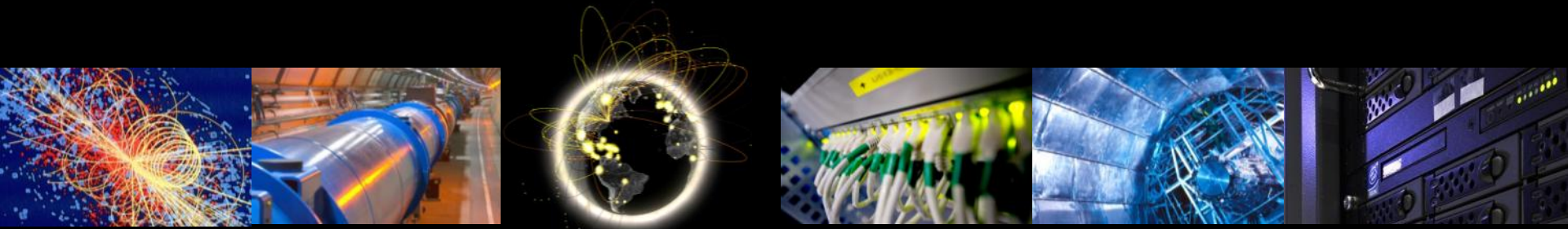


WLCG Technical Evolution Group: Operations and Tools

Maria Girone

Second Meeting, 231st October 2011



Areas Of Work

1. **Monitoring and metrics**
 - Site and service monitoring
 - Experiment activity monitoring
 - Monitoring data analysis
 - Alerting systems
2. **Support tools**
 - Ticketing tools [including interoperability]
 - Accounting tools
 - Request trackers
 - Administration tools [GOCDB, CIC]
3. **Underlying services**
 - Messaging services
 - Information services
4. **Application software management**
5. **Middleware operational requirements**
6. **Service and middleware configuration**
7. **Service and middleware deployment**
8. **Middleware distribution**
9. **WLCG operations and procedures**

Working Groups

- **WG1: Monitoring and metrics**
 - Editors: Simone and Pepe
 - Contributors: Costin, AndreaS, Alessandro, IanC, Xavi, Vera, Alex,
- **WG2: Support tools + Underlying Services+ WLCG ops**
 - Editors: Maria Dimou, David Collados, Stefan Roiser
 - Contributors: Simone, AndreaS, Joel, Pepe, Alex, who else?
- **WG3: Oper. Requirements on m/w**
 - Editors: Maarten, Tiziana
 - Contributors: MariaD, Alex, Jeff, Laurence
- **WG4: App s/w management**
 - Editor: Stefan Roiser
 - Contributions: IanC, SteveT, Alex, who else?
- **WG5: M/w config + m/w deployment + m/w distribution**
 - Editors: OliverK, RobQ
 - Contributors: Simone, IanC, Alex, who else?

Timeline

- Nov 28th F2F: Deliverable on assessment of current situation completed (5 weeks)
 - Amsterdam?
 - Weekly check points
 - Presentation at GDB (14th Dec)
- 12-13th December: Workshop on Future Strategy
 - At CERN, prior to the GDB
- Jan 23rd F2F: Deliverable on medium to long term strategy
- Feb 7th: TEG reports (10 more weeks, including Xmas break)
 - Plan and needs for the next 2-5 years

Deliverable 1 – Assessment of Current Situation

- Template available in the twiki
- Each work area section should contain a summary table with a row for each subtopic and a column for:
 - Works well
 - Needs to improve [sorted by importance, the first 3 items will be the top 3 problems]
- A short description should be in the table, while the section text should go in more detail and also describe, for each subtopic:
 - the existing operational procedures (when relevant)
 - what takes the most effort from experiments, sites and infrastructure providers
 - strengths and weaknesses
 - important areas which are not covered
 - what is provided but not used

Deliverable 2 – Medium to Long Term Strategy

- Building on the current situation and keeping in mind
 - weaknesses and gaps identified
 - sustainability and scalability of solutions
 - commonalities across experiments and supporting infrastructures
 - commercial solutions
 - evolution as required by the other TEGs
 - Upgrade path (major changes limited by LHC schedule, and even so analysis never stops!)
- At the December Workshop
 - discussions on initial ideas and directions
- F2F meeting: January 23rd
 - finalize the document

Links

- Egroup list: wlcg-teg-operations@cern.ch
- Twiki:
<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGOperations>
- Agenda pages:
<https://indico.cern.ch/categoryDisplay.py?category=3770>

Participants (people who sent some additional information)

- Ian Collier – Fabric Team / RAL
- Manuel Guijarro – Tier0
- Xavier Espinal – PIC, Services & Prod group
- David Collados – monitoring, messaging and IS
- Marian Babik – monitoring, messaging and IS
- Stuart Purdie – Tier2/3 site ops & support
- Oliver Gutsche – CMS
- Markus Klute – CMS Data OPS
- Pepe Flix – CMS Computing I/S & OPS
- Joel Closier – LHCb OPS
- Stefan Roiser – LHCb, monitoring, s/w, config & deploy management, IT-ES
- Costin Grigoras – ALICE, monitoring, storage and production management
- Simone Campana – ATLAS ops, IT-ES
- Alessandro Di Girolamo – ATLAS ops
- Andrea Sciaba – CMS, IT-ES
- Tiziana Ferrari – EGI operations
- Rob Quick – OSG
- Laurence Field – EMI i/s

Egroup members

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