

# Storage management TEG

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DISCLAIMER: very initial thoughts, more at next GDB

# Suggested mandate and general approach

## Models, paradigms, technologies in **evolution**

- ◆ analysis of the experiences gained in storage management and operations
  - by experiments as well as by sites
- ◆ focus on operational needs, deployability and sustainability of software

## Focus efforts on **actual requirements by our community**

- ◆ important input to technology and infrastructure providers

## Identify **key topics** and trigger **discussions**

- ◆ create subgroups - but only if really needed (timescale is short)

## Bring **commonalities** among experiments where feasible

- ◆ between experiments as well as between various Grid infrastructures

## Ensure that any evolution will not disrupt our successful operations

# Suggested scope

The Storage Management TEG will focus its discussions on:

- ◆ Experiment IO/usage patterns (and so performance requirements for storage)
- ◆ Our requirements on future storage systems, and how storage will evolve
- ◆ Separation of archives and disk pools/caches
- ◆ Storage system interfaces to Grid (SRM status?)
- ◆ Filesystems/protocols (standards?)
- ◆ Security/access controls
- ◆ as site-run services: storage management interfaces, performance measurements, monitoring, etc

We will add more, or refine the topics above

- ◆ it will depend on how the discussions evolve

## Deliverables:

- ◆ Assessment of current situation with mw, ops and support structure
- ◆ Strategy document setting out a plan and needs for the next 2-5 years

# Membership

List of people who expressed interest in participating (by Ian Bird):

<b>Jon Bakken</b>	site-CMS	bakken@fnal.gov
<b>Gerd Behrmann</b>	site-NDGF	behrmann@ndgf.org
<b>Brian Caron</b>	Triumf	bryan.caron@clumeq.ca
<b>Philippe Charpentier</b>	LHCb	philippe.charpentier@cern.ch
<b>Fabrizio Furano</b>	CERN	fabrizio.furano@cern.ch
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<b>Andreas Heiss</b>	site-KIT	andreas.heiss@kit.edu
<b>Jens Jensen</b>	site-STFC	Jens.Jensen@stfc.ac.uk
<b>Andrew Lahiff</b>	site-CMS	Andrew.david.lahiff@cern.ch
<b>Massimo Lamanna</b>	CERN	Massimo.Lamanna@cern.ch
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<b>Simon Nderitu</b>	Triumf	simon.nderitu@clumeq.ca
<b>Andreas Petzold</b>	site-KIT/ATLAS	andreas.petzold@cern.ch
<b>Stefan Roiser</b>	LHCb	Stefan.roiser@cern.ch
<b>Gergely Sipos</b>	EGL.eu	gergely.sipos@egi.eu

NOTE: this is *not* the final list, more can and will be added!

- ◆ Please proactively contact Wahid/Daniele ASAP if interested to join

# Process and organization

The process should be as open and inclusive as reasonably possible.

We will need discussions, input and analysis at different levels

- ◆ ways to open feedback to a wider group may be used (e.g. questionnaire)
- ◆ meetings with members when needed, not at a killer frequency though
- ◆ some discussions may be forked in working sub-groups, who will report back
- ◆ a F2F workshop sometime in late-Nov / Dec would be helpful (dates tbd)
- ◆ cross-participation to our meetings from other TEGs is encouraged

We will deal with internal communication with a unique mailing list

- ◆ this TEG members + this TEG chairs

We will document the major progresses on a unique blackboard

- ◆ whatever works, e.g. twiki

We will report to MB/GDB in the coming months whenever asked to