

Storage / Data TEG Introduction

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For the storage and data TEGs

7th February 2012

- Process so far and to come
- What will be discussed today

For more info see the Twikis:

[WLCGTEGDataManagement](#)

[WLCGTEGStorageManagement](#)

Process

Information
Gathering

- Initial questionnaire
- Defined topics [[TopicsDataStorageTEG](#)]
- Questions to experiments:
Experiment Presentations and Twikis
[[ALICE](#); [ATLAS](#); [CMS](#); [LHCb](#)]

Synthesis /
Exploration/
Orientation

24/25 Jan:
Face-to-Face
Meeting
Indico :
[165687](#)

- Storage Middleware presentations
- Face-to-face session for each topic
plus broader discussions.

“Emerging” recommendations

7th Feb GDB
meeting

Now close to agreed set of observations

Refinement

During Feb and March:

Develop an overarching picture
AND

Iteration under each topic
(EVO meeting for each one)

“Draft” Recommendations

Process for “Refinement”

Overarching view : aka “The diagram”

Layers

Data Management / Storage Split;

Experiment/ Site responsibilities.

A subgroup will develop: building on straw man (see Dirks presentation)

Topics

Editors and writing groups to
compress ideas

Everybody (in TEG) feeding in -

Direct emails to editors;

Discussion on lists.

EVO meeting on each topic

Principles

Focus on requirements / principles

As expressed by experiments,
recognizing concerns of sites, and
developers input.

Match existing technologies to
principles

While using solutions open to changing
technology

Responsible TEG (for ease of management)	TOPICS: As grouped at F2F See Twiki for full details including on overlaps	Editor. Experiment co-editor and Writing group for each TBC
Data Management	Data placement (DM2) and Federation (DM3)	Andrew Hanushevsky + Dirk
	WAN Protocols (DM4) and “FTS” (DM5)	Markus Schulz
	Catalogues (DM9) and Namespaces (DM10)	[Brian Bockelman]
Security	Security and Access Control (DM6/SM6)	Maarten Litmaath
Storage Management	Separation of Disk and Tape (SM3)	Andrew Lahiff
	Storage Interfaces (SM4): SRM and Clouds	Paul Millar
	Management and operation of storage at sites (SM7)	Andreases Heiss and Petzold
	Storage I/O (SM1) , LAN Protocols (SM5) and Evolution of Storage (SM2)	Giacinto Donvito

Also DM1: Review of Demonstrators (will be in report); DM7 POOL (see Dirk today); DM8 ROOT

This meeting

“Emerging” direction / recommendations:

- Capturing what was discussed at Amsterdam
- Compiled by “editors” and merged by chairs to single talk per TEG.
- Some contributions post-Amsterdam from others in TEG but **not yet circulated to TEG.**
- Very much still to be discussed within TEG:
 - NOT approved recommendations
 - Feedback / Input very welcome.