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Storage Management TEG: Questionnaire Level 1 - *Fabrizio Furano*

This twiki is to collect the input of **Fabrizio Furano**. Please answer the questions below. For more information, please refer to the Storage TEG main twiki.

Question 1

- In your view, what are the 3 main current issues in Storage Management (SM)?

- excessive complexity of the architectures, sparse systems that expose too much of their inner complexity
- data access protocol Babel
- stability and overall quality of the SE implementations, including their performance

Question 2

- What is the greatest future challenge which would greatly impact the SM sector?

- putting the usage of 'standard protocols' at a level of maturity that is sufficient for HEP production usage
- being able to transparently use storage centers acquired from third parties, including Cloud storages

Question 3

- What is your site/experiment/middleware currently working on in SM?

- DPM/LFC maintainance and support
- NFS4.1 - HTTP/WebDAV for HEP data access
- performance improvements, starting from the current status of the lcgdm (=DPM+LFC) components

Question 4

- What are the big developments that you would like to see from your site/experiment/storage system?

- standardization of the data access protocols
- a performant and stable system that allows the creation of loosely coupled federations, beyond LFC

Question 5

- In your experience and area of competence, what are the (up to) 3 main successes in SM so far?

- at the end, it works
- people are using it
- people ask for more

Question 6

- In your experience and area of competence, what are the (up to) 3 main failures or things you would like to see improved?

- the current systems look over-complicated for what they do

- also the clients look over-complicated, with ugly APIs
- the abundance of workarounds that were implemented in the applications makes evolution difficult (one has to support also the workarounds)

That's it!

Thanks! Feel free to edit again at any time, until the date of the kick-off meeting.

-- DanieleBonacorsi - November 2011

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