Next Generation Global Infrastructures

Using existing tools to scale

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FOM

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Prototype

- Created a FUSE driver to mount the Grid storage in user-space

- Using existing fault-tolerant and scalable tools serving as a replacement for the LFC and SRMs
  - No more need to ban users for their heavy usage/abuse of an LFC or SRM

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What we have now

- Client side:
  - FUSE driver using the new service
    - Could also be used by a regular web-browser
  - Fetch/Push data to an SRM service
- Server side:
  - Using Gridsite for secure access
  - Replicated Cassandra instances
    - Load-balancing and redundancy

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Next steps...

- Importing real data from LFC and SRM(s)
- Sending out invites for public testing and publishing the interface
- Adding ACL support hooks
- Add backwards compatibility to be able to mount existing LFCs and SRMs

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