



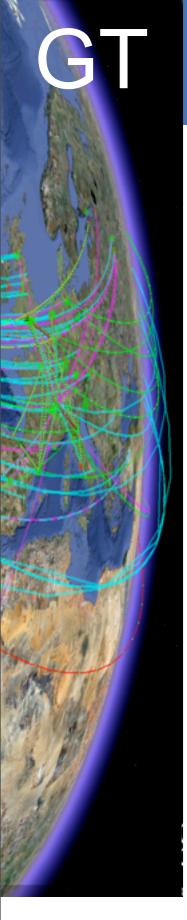
WG on Storage Federations

25 Oct 2012 Towards Sites Introduction

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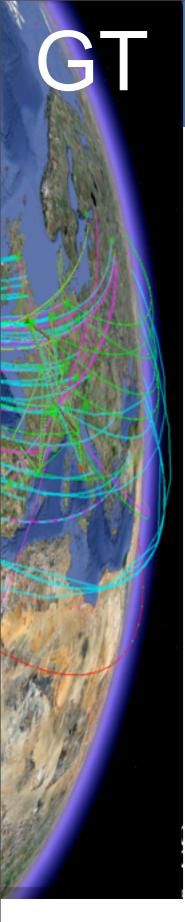
The federations WG



- Welcome to today's session of the federation WG, 5th episode
- We are resuming the discussion interrupted at the last preGDB
- Just one slide of introduction and summary
- The mandate sounds like:
 - Make the concepts more clear to everybody
 - Make experiments and WLCG sites talk
- 3 months of life, 8-9 meetings
- We started collecting the points of view of the experiments, with focus on:
 - What are they trying to accomplish (and who is "they")
 - The rationale behind (the "Why")
 - Being critical and pragmatic at the same time
- This episode moves to considering the point of view of sites. Their representatives have been invited to summarize their concerns
- Thanks again to the participants, as their contribution to the content and to the productive atmosphere so far has been of the highest quality.

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From the last meeting



 We had the idea to discuss "What shall the admin of a remote [WLCG] site do?"

- In other words:
 - What do you (experiment) give and say to CNAF or NIKHEF or BARI or <put your site> to have a well working endpoint
 - Instructions for sysadmins, troubleshooting etc. ... where are they?
 - Firewall config, DNS names, machines with multiple intfcs...
- This includes the point of view of:
 - sites willing to know in advance
 - sites that can describe their experience
 - experiments' people willing to push for the new technology
 - technology developers, learning what people likes







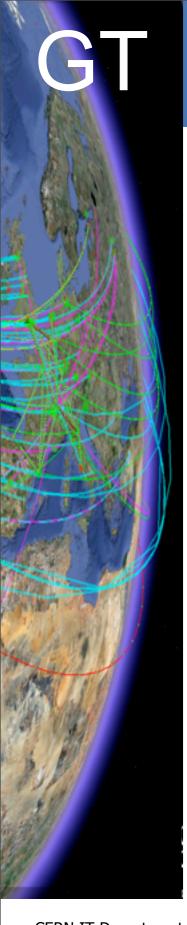
Federations and sites



- What does a site have to do to:
 - join one of these federations?
 - maintain it, keep its corner healthy
 - report on the activity of its federated node(s)
- Does this federation involve instrumenting/customizing the setup at sitelevel?
 - e.g. custom scripts doing XXX then YYY (tapes... file healing... reporting... what?)
 - Who does it? Who makes sure that the instrumentation works?
- Are all the sites configured/instrumented in the same way?
- Can these setups be shared among experiments? What about their components?
- What makes a site eager to install your stuff?







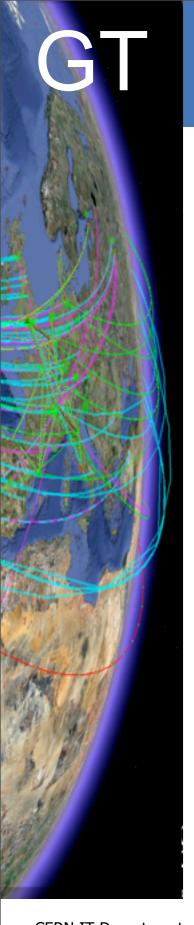
Next two meetings



- Next: 2nd part of this 'towards sites' material, missing speakers were Rob and Adam or Stuart, are you there on the 8th of Nov?
- What about the next one being the xrootd tech day? Or shall we put the two tech monographies in the same day?
- Here is the original proposal in our schedule:
 - Two meetings (total!) around each storage federations technology we know about
 - Xrootd framework
 - Dynamic Federations (with WebDAV/HTTP frontend)
 - A description of the set of consolidated features with respect to the federations tech
 - Where's the config? Central or in the endpoints?
 - · Discovery, resilience to downtimes
 - Indicative steps for their tech to be deployed at a site
 - A collaborating one, AND one which does not know anything and will just look at it from time to time
 - Bundles available? How the config of a site is handled
 - Would be nice to know about:
 - Why is it so cool?
 - What is the vision about making it really powerful and ubiquitous?
 - Are there contacts with other sciences/VOs setting up federations?
 - Is there an idea on a future interactive access (tools?)









Thank you



