

# WG on Storage Federations

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Towards Sites  
Introduction

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- 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.*

- 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

- 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 site-level?
  - 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: 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?)*

# GT

# Thank you