

Indigo IAM Test

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Why using Indigo IAM?

- Identity and Access Management (IAM) solution for scientific computing 
- Manage identities, enrollment, group membership and other attributes and authorization policies
- **Policy engine embedded by default** 
- Policy implementation via tools and APIs:
 - To define authorization policies
 - To define policy distribution flows - to import policies from other IAM instances
 - To issue an authorization decision by evaluating policies against a request

ILDG Indigo IAM

- ILDG has setup an Indigo IAM service hosted at CNAF/INFN 
- Hubert offered us to register - Access via eduGAIN and institution IdP
- Created client S4P-ILDG and registered it to the Mytoken service
- **Custom scopes - missing in Helmholtz AAI:**
 - compute.cancel, compute.create, compute.modify, compute.read
 - storage.create:/punch/
 - storage.modify:/punch/
 - storage.read:/public/, storage.read:/punch/
 - storage.stage:/public/, storage.stage:/punch/

Test with ILDG Indigo IAM

- **Update HTCondor configuration to use ILDG Indigo IAM** rather than Helmholtz AAI
- Run Dimuon Spectrum Tutorial based on 2012 CERN Open Data 
- Job successfull and output stored on ILDG storage:
gfal-ls https://globe-door.ifh.de:2880/pnfs/ifh.de/acs/grid/ildg/punch
dimuonSpectrum2012_C_eospublic.pdf

Outlook

- ILDG Indigo IAM has custom scopes missing in Helmholtz AAI
- Possible for any user to create a Mytoken using S4P-ILDG client after registration to ILDG Indigo IAM
- Possible for any user to submit C4P HTCondor jobs using S4P-ILDG client
- **Could start to define some policies and test them with voluntary users**