Creating Federated Data Stores For The LHC

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CC-IN2P3

Programme Scientifique

The points of discussion in this meeting are the following:

Federated Data access models:

Mechanisms:

Copy on demand.

Real time access.

Partial caching.

Pros and cons to each mechanism:

Requirements to make each model work well.

Firewalls.

Federated Name Space:

Providing a uniform global logical name space:

Challenges and solutions.

Federated Monitoring:

Metrics:

Necessary information.

Desired information.

Level of detail.

Visualization:

Architectures.

Incorporating local information:

Mechanisms.

Useful metrics.

Federated Security:

Requirements for different access modes:

Client/Server vs Server/Server access.

Emerging mechanisms:

DOE's InCommon Federated Trust Model, Shibboleth, etc.

Federated Support Structure.