EGI-InSPIRE
Globus Toolkit Staged Rollout

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Summary

- Introduction

- Components overview

- Testbed details

- Conclusions

- Globus Information System

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Globus Integration TF

- Drive integration of Globus in EGI

- Members from Croatia, Germany, Romania, Poland, Netherlands, UK

- Early adopters@LRZ: Emmanouil Paisios, Ilya Saverchenko (monitoring), Matteo Lanati

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IGE Project

- ◘ Technology provider

- ◘ European point of contact for Globus

- ◘ European Globus Community Forum

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Services

Components	Version
MyProxy	5.3
GridFTP	3.28
RLS	4.8

Globus 5.0.3

Details: http://repository.egi.eu/2011/09/12/release-umd-1-2-0/

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Testbed

sl5-j
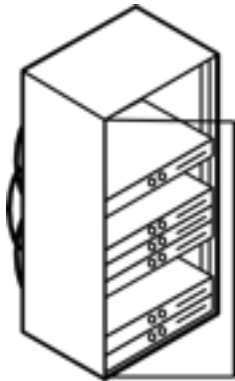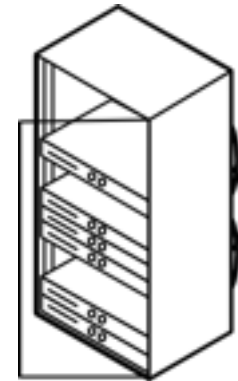
sl5-r

MyProxy
GridFTP (FE)
RLS (RLI)

GridFTP (BE)
RLS (LRC)

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MyProxy

Our "prototype" service

- Install by means of the package utility

- Set up certificates and grid-mapfile

- Adapt the configuration

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GridFTP

Why FE + BE?

- Striping and/or security

- FE as unprivileged user

- BE as root

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RLS (Installation)

- Configure the backend DB (*MySQL*, PostgreSQL, SQLite, Oracle)

- Install ODBC driver (check odbc.ini)

RLS (Configuration)

From a higher point of view

- Decide on strategy for LRC to RLI updates
  - *uncompressed list*
  - compressed bitmaps (no DB required)

- Configure permissions (DN and/or user names)

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Conclusions

□ Fast deployment with respect to sources

□ GridFTP support for UDT to be added
  □ UDP based transfer protocol
  □ Better performances

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GT5 IIS

- Goals:
  - service advertisement and discovery (in general, IIS is a registry service managing XML docs complying to a schema)
  - distributed, scalable, fault tolerant

- Task: describe resource capabilities by means of a GLUE-2.0 schema

- RESTful web service (GET, PUT, POST, DELETE)

GT5 IIS

- IIS home: http://www.ci.uchicago.edu/wiki/bin/view/IIS/WebHome

- User guide: http://confluence.globus.org/display/IIS/User+Guide

- Installation instructions: http://confluence.globus.org/display/IIS/2.+Tool+Installation

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Thank you for your attention

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