gLite Platforms and Plans

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Outline

- **gLite release plans**
  - When and what ?
- **JRA1 platforms and infrastructure**
  - Distributed testing infrastructure, baseline deployment process,
- **Provision of training resources and support to NA3**
  - How can we help NA3 develop a training programme to assist the adoption of gLite ?

gLite release plans

- **Details of the gLite release plan are available and updated weekly"**
  - https://edms.cern.ch/document/468699
- **MJRA1.4: Software for first release (equals RC1)**
- **First release to SA1 due end of March 2005**
- **Components will include:**
  - WMS, CE, L&B, R-GMA, File and replica catalogs, File Placement and Transfer Service, VOMS
  - Refer to Erwin Laure's Plenary presentation for more details
    - https://edms.cern.ch/file/525738/1/denhaag.ppt
- **So far only the first component (gLite-I/O) delivered to SA1 on Oct. 26, 2004**

JRA1 platforms and infrastructure

- **Distributed testing testbed across three sites**
  - CERN, NIKHEF and RAL
- **Binary compatible version of Red Hat Enterprise Linux**
  - CERN: SLC3
  - NIKHEF: CentOS 3.2
  - RAL: Scientific Linux
- **System installation automatic for all machines**
  - Quattor or kickstart based
  - Provides a clean basis to test baselines against
- **Deploy and test Integration builds**
  - gLite component installation via deployment modules
  - Configuration using post installation configuration scripts
- **Pure gLite, no LCG components**

Provision of training resources

- **NA3 t-Infrastructure**
  - Are NA3 planning to run their own independent t-Infrastructure?
    - Who are the mentioned “infrastructure providers” ?
  - The JRA1 development and testing testbeds are not suitable for use as part of the t-Infrastructure
    - In extensive continuous use for development and testing
    - Resources would be insufficient anyway for training needs
  - Tools used to administer the JRA1 distributed testing testbed can be passed to NA3
    - e.g. quattor or kickstart templates and machine profiles
  - Procedure for deploying a new release on the t-Infrastructure should be the similar as for the internal JRA1 testing testbed
    - e.g. gLite deployment modules and post installation configuration

Provision of training resources

- **Tutorial examples and hands on exercises**
  - The JRA1 testing team have lot of experience in using and testing the middleware
  - Test suites are being developed by the JRA1 and NA4 test teams in collaboration based on application requirements and use cases
  - NA4-ARDA will focus is on creating examples which could be given to physicists as starting point for realistic data access
  - These test suites and examples can be provided to NA3 as a basis to develop tutorials for new users
  - Training and tutorials can also provide additional input for testing

Provision of training resources

- **Documentation**
  - gLite official documentation: installation and user guides
  - Use cases from application requirements documents can provide input for developing interesting tutorials
- **Expert help with early courses**
  - Assistance with deploying and upgrading gLite releases
  - We can assist with developing tutorials based on requirements, application use cases and JRA1 test suites
  - Will not provide a official “support service”
    - We do not have the resources but are happy to help if we can