Datagrid Software Repository Presentation

CVS, packages, automatic building and release list definitions

Yannick Patois

E-mail patois@in2p3.fr

Table Of Content

- ◆ The Datagrid Software Repository

- ◆ Current status of Autobuild (RH6.2)

- ◆ Move to RH7.2

- ◆ Edg-release rpm lists

- ◆ Creating RPM lists from dependencies

The Datagrid Software Repository

- The Datagrid Software Repository

  - Hosted at CC-IN2P3

  - Main services:

    - Source code management for developers (CVS)

    - Packages distribution (RPMS)

    - The autobuild/check system

Current status of Autobuild (RH6.2)

Moving to Redh-Hat 7.2

Edg-release rpm lists

Creating RPM lists from dependencies I (idea)

◆ Problem : Managing huge lists of RPM (edg-release) can be difficult.

◆ Idea : Creating them from the RPM inter-dependencies

Practical implementation

Datagrid RPMS → Striped RPMS (only headers)

Build Machine

Local copy

Custom "everything" RPM database

RPM task (virtual rpm pkgs)

Full RPM list

Custom list RPM database

--whatprovide
--whatrequire

Rpm::Va

Validation

Creating RPM List from Dependencies II (example)

Redhat-base-edg-0.0.1-1.i386.rpm
redhat-kernel-edg-0.0.1-1.i386.rpm
task-build-wp6-0.0.1-1.i386.rpm

Name: task-build-wp6
[...]
This is for edg-example
Requires: libtool
Requires: automake
Requires: autoconf
Requires: make
Requires: c++
Requires: doxygen
Requires: sgml-tools
Requires: tetex-dvips
Requires: ghostscript
[...]

Full RPM List