































# SL5 WN decisions

## inc lcg-DEPS metapackage

*Oliver Keeble*

*GDB 10/06/09*

- **Experiment software has dependencies**
  - Many can be satisfied from the OS
  - Particularly, SL5 provides compat\* rpms to enable SL4 applications to run on SL5
    - exactly what will be happening
- **A single metapackage to install on SL5/64bit WNs which pulls in all necessary OS rpms**
  - For SL4 32 and SL5 32/64 apps

 cman-devel-2.0.98-1.e15.x86_64.rpm	05-Feb-2009 17:28	45K
 cmirror-1.1.36-1.e15.x86_64.rpm	05-Feb-2009 17:28	59K
 compat-dapl-2.0.13-4.e15.i386.rpm	05-Feb-2009 17:28	103K
 compat-dapl-2.0.13-4.e15.x86_64.rpm	05-Feb-2009 17:28	112K
 compat-dapl-devel-2.0.13-4.e15.i386.rpm	05-Feb-2009 17:28	30K
 compat-dapl-devel-2.0.13-4.e15.x86_64.rpm	05-Feb-2009 17:28	30K
 compat-dapl-static-2.0.13-4.e15.x86_64.rpm	05-Feb-2009 17:28	173K
 compat-dapl-utils-2.0.13-4.e15.x86_64.rpm	05-Feb-2009 17:28	78K
 compat-db-4.2.52-5.1.i386.rpm	08-Jul-2008 18:11	1.7M
 compat-db-4.2.52-5.1.x86_64.rpm	08-Jul-2008 17:04	1.6M
 compat-gcc-34-3.4.6-4.x86_64.rpm	08-Jul-2008 17:04	4.4M
 compat-gcc-34-c++-3.4.6-4.x86_64.rpm	08-Jul-2008 17:04	13M
 compat-gcc-34-g77-3.4.6-4.x86_64.rpm	08-Jul-2008 17:04	2.4M
 compat-glibc-2.3.4-2.26.i386.rpm	08-Jul-2008 18:11	1.0M
 compat-glibc-2.3.4-2.26.x86_64.rpm	08-Jul-2008 17:04	1.5M
 compat-glibc-headers-2.3.4-2.26.x86_64.rpm	08-Jul-2008 17:04	481K
 compat-libcom_err-1.0-7.i386.rpm	18-Feb-2009 15:02	4.8K
 compat-libcom_err-1.0-7.x86_64.rpm	05-Feb-2009 17:28	4.9K
 compat-libf2c-34-3.4.6-4.i386.rpm	08-Jul-2008 18:11	52K
 compat-libf2c-34-3.4.6-4.x86_64.rpm	08-Jul-2008 17:04	56K
 compat-libgcc-296-2.96-138.i386.rpm	08-Jul-2008 18:11	51K
 compat-libstdc++-33-3.2.3-61.i386.rpm	08-Jul-2008 18:11	232K
 compat-libstdc++-33-3.2.3-61.x86_64.rpm	08-Jul-2008 17:04	227K
 compat-libstdc++-296-2.96-138.i386.rpm	08-Jul-2008 18:11	90K
 compat-openldap-2.3.43_2.2.29-3.e15.i386.rpm	05-Feb-2009 17:28	240K
 compat-openldap-2.3.43_2.2.29-3.e15.x86_64.rpm	05-Feb-2009 17:28	261K
 compat-readline43-4.3-3.x86_64.rpm	08-Jul-2008 17:04	106K
 compat-slang-1.4.9-27.2.2.x86_64.rpm	08-Jul-2008 17:04	207K
 compiz-0.0.13-0.37.20060817git.e15.x86_64.rpm	08-Jul-2008 17:04	462K
 -----	-----	-----

- We have a first pass – issues:
- Not all libs available at SL4 versions:

Library on SL4	Library available in SL5
librpmio-4.3.so	librpmio-4.4.so
librpmdb-4.3.so	librpmdb-4.4.so
libnss_files.so.1	libnss_files.so.2
libproc-3.2.3.so	libproc-3.2.7.so

- Oracle libs are not in the OS repository
- Some libraries are in different places on SL5

- **Will sites use the LCG dependency rpm?**
  - **Publishing compliance**
    - `GlueHostApplicationSoftwareRunTimeEnvironment`
  - **What about other dependencies not available in the OS?**
- **What message is passed to sites wrt SL5 deployment?**
  - SELinux
  - Job management and VSIZ
- **What is the policy on SL gcc43?**