

Scientific Linux

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May 25, 2004
HEPiX

Scientific Linux - History

- Discussions at October 2003 HEPiX about what to do after the RedHat changes
- Discussions about if we should make a HEP Linux
- Started to work on Fermi Linux LTS(Long Term Support) based on the rebuilt RPMs from SRPMS
- Fermi Linux LTS 3.0.1 released January 2004

Scientific Linux - History

- Had discussions with CERN on collaboration
- Proposal
 - GENERIC base of rebuilt SRPMS
 - added HEP applications
 - Custom site area
- Took Fermi Linux and removed all the Fermi Specific changes
- Added code to installer to allow for site customizations
- Announced as preview on HEPiX-HEPNT mailing list as HEPL end of February 2004

Scientific Linux - What is it

- Released May 10, 2004
- Features
 - Generic rebuilt SRPMS
 - Added RPMS
 - Updated RPMS
 - Site Customizations
 - Open development
 - Useful out of the box

Scientific Linux - RPMS

- RedHat Enterprise 3 AS SRPMS rebuilt
- Compatible with RedHat Enterprise 3
- Added RPMS
 - Rebuilt RedHat Cluster Suite
 - Rebuilt RedHat Developer Suite
 - Rebuilt errata as of May 9, 2004
 - Pine , pcp , icewm , anacron
 - Openafs
 - Yum, apt-rpm
 - Bug fix rpms (zz-....)
- Updated RPMS
 - Nedit

Scientific Linux - Site Customizations

- Site Customizations
 - Allows for a site to customize their own release
 - Scripts are provided to make this easy to do
 - Sites can
 - Add rpms
 - Upgrade rpms to newer versions
 - Downgrade rpms to older versions
 - Make modifications to the installer
 - Change kernel rpms both installer and installed versions
 - Will rsync 'sites' to central repository if allowed
 - 'Borrow' rpms from other sites

Scientific Linux - Collaborative

- Collaborative / open development environment
 - scientific-linux-devel@fnal.gov
 - www.fnal.gov/linux/unix/scientific
 - downloads available
 - <ftp://linux21.fnal.gov/linux/scientific/>
 - 301
 - Stable tree
 - 30rolling
 - Development tree
 - Soon a PLONE content management system for documentation
 - Allows for collaborative use

Scientific Linux - The Future

- Need to add more rpms that would be useful to HEP community
 - ROOT
 - Grid tools ???
 - ???
- Test recently added Update 2 rpms in development version
- Continue to add errata to stable tree errata area for access via yum or apt
- Amd64, itanium, intel64 support

Scientific Linux

- Do you want to use?
 - Download
 - Use out of box
 - Make site if needed
- Can you help?
 - Join mailing list
 - Help
 - Beta Testers
 - RPM donations
 - Other
- Fermi Linux 3.0.2 will be a 'site' of Scientific Linux , users will not see any change