Update On Scientific Linux
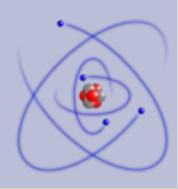
Troy Dawson

dawson@fnal.gov
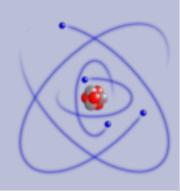
HEPIX Fall 2007

November 9, 2007

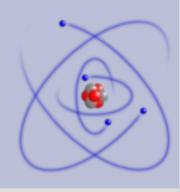# Witty Comment

- <Insert Witty Comment Here>
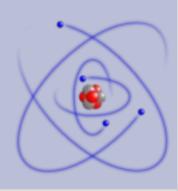 - Two sys-admins walk into a data-center
  - ** Thud **
  - "Ouch"

Scientific Linux

- Presentation Overview
  - 2005 to the Present
  - The last six months
  - What we are currently working on
  - What we see in the future

Scientific Linux
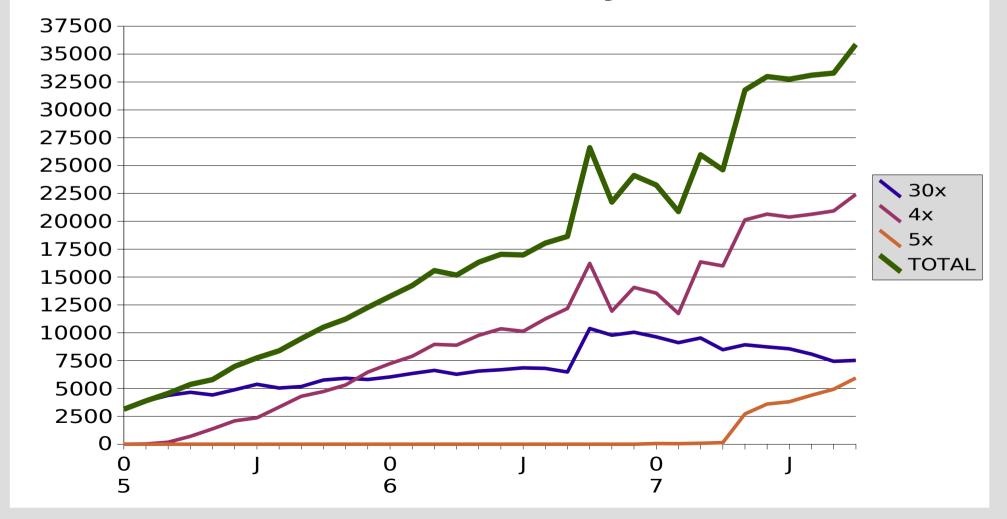
2005 - Present

- The following statistics were gathered from ftp.scientificlinux.org log files
  - These numbers are the minimum. We know that they are higher.
  - These numbers are based on the yum and apt access to the errata
  - We currently have 26 public mirrors, and know of 78 sites mirroring us. These statistics do not represent any of the mirror sites.
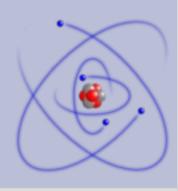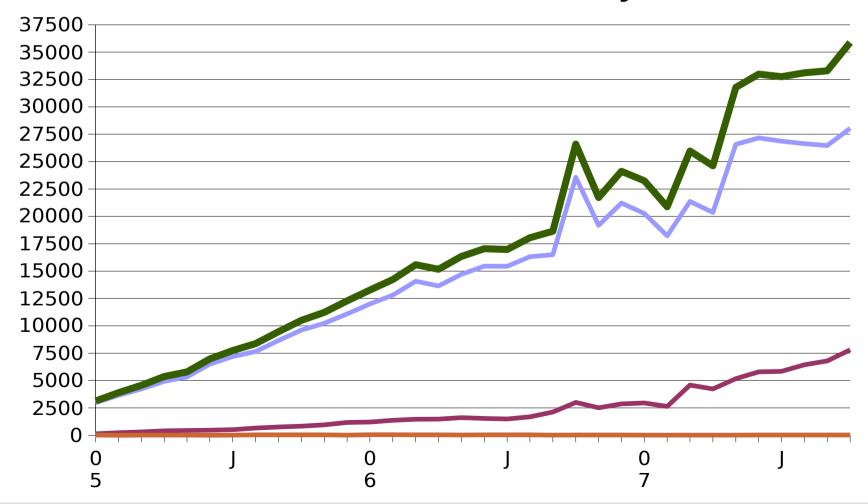
Scientific Linux

2005 - Present
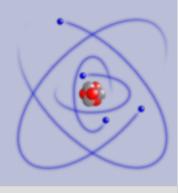
2005 to Present - By Arch

Scientific Linux

2005 - Present
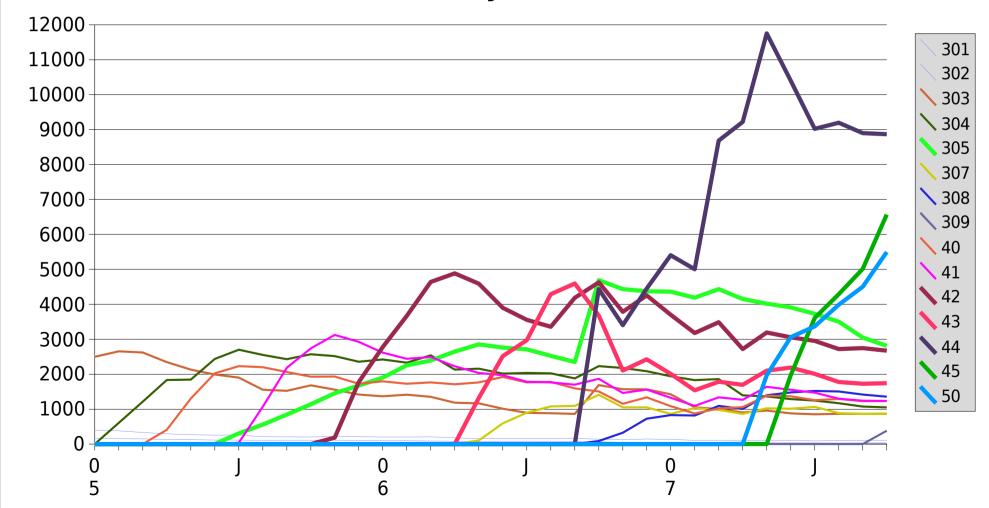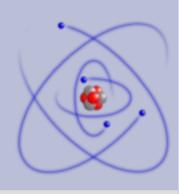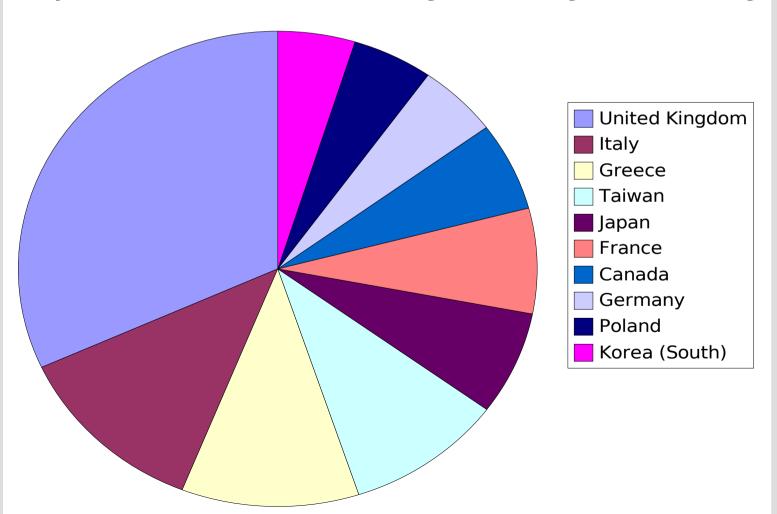
2005 to Present - By Individual Release

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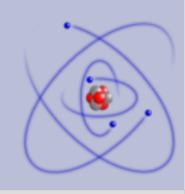
2005 - Present

Top 10 Downloads by MB by Country

- United Kingdom
- Italy
- Greece
- Taiwan
- Japan
- France
- Canada
- Germany
- Poland
- Korea (South)

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The Past Six Months
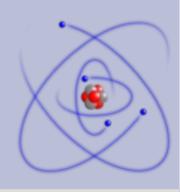
- S.L. 5.0 released – May 2007
  - For i386 and x86_64
  - Does not support "sites"
  - Is missing some scientific programs
    - numpy, tiny

Scientific Linux

The Past Six Months
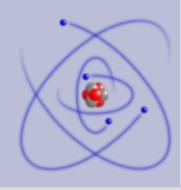
- S.L. 4.5 released – June 2007
  - For i386 and x86_64
  - Supports being a Xen Paravirtulized Guest
  - Was later than planned because the "sites" code had to be rewritten. This was because the new installation code for Xen overwrote the previous "sites" code.

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The Past Six Months

- S.L. 3.0.9 released – October 2007
  - For i386 and x86_64
  - Codename "Legacy"
  - Released late so it has more security errata
  - Has longer support than previous S.L. 3 releases
  - Is missing harder to maintain packages
    - Firefox
    - Thunderbird
    - PCP
    - Yumi

Scientific Linux

The Past Six Months
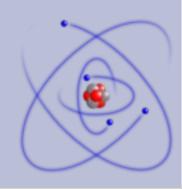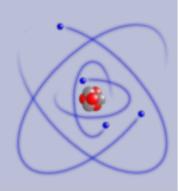
- Security updates continually released for all supported versions

Scientific Linux

What we are currently working on
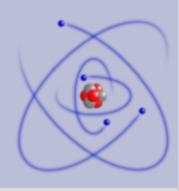
- Work on getting "sites" available for S.L. 5.1
  - This work is mostly done, we just need 5.1 to try it
- Moving S.L. 3 into legacy mode
  - Writing and testing transition yum-conf for older SL 3 releases. This yum will point just the security errata for those releases to 309. It will allow those releases to still be at their release level (example: SL 305) but get the security errata of SL 309
  - This yum is just to help with the transition phase.

Scientific Linux

What we are currently working on
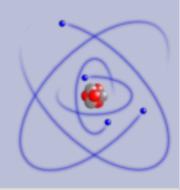
- Building S.L. 5.1
  - Wednesday, 7 November 2007 – RedHat released Update 1 of RHEL 5
  - We are currently rebuilding the source from RedHat
    - We have the easy one's done, and are now working on the problem packages
  - We will have an 'Alpha' release out soon
    - And Alpha release just has the new packages in the old SL 5.0 installer. Nothing will have been really tested.

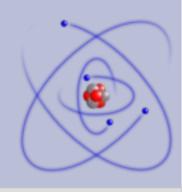# Scientific Linux

What we see in the future

- Releasing S.L. 5.1
  - It will have all the updates that RedHat put in Update 1
  - It will have support for "sites"
  - It will have the scientific programs found in SL 4.5, and hopefully a couple more.

Scientific Linux

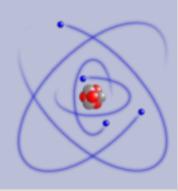## What we see in the future

- Move S.L. 3 into legacy mode
  - 1 Dec 2007 - Phase 1
    - New yum-conf is pushed out to all the old SL 3 releases
    - New yum-conf will help users transition to 309
  - Mid Feb 2008 - Phase 2
    - SL 301, 302, 303, 304, 305, 307, and 308 will be moved into scientific/obsolete
    - We are keeping the distro's around for those that need them for some reason, but moving them out of the way so people know not to use them.

Scientific Linux

What we see in the future

- When RHEL 4 Update 6 comes out, releasing S.L. 4.6
- When RHEL 6 comes out, releasing S.L. 6.0
    - Looking far into the future
- Adding more yum repositories

References

- https://www.scientificlinux.org/
- https://www.scientificlinux.org/news/sl3.legacy
- http://ftp.scientificlinux.org/linux/scientific/
- ftp://ftp.scientificlinux.org/linux/scientific/