

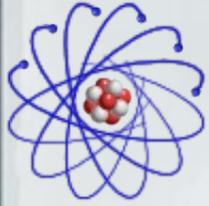
Update On Scientific Linux

Connie Sieh

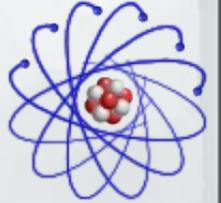
csieh@fnal.gov

Hepix Spring 2012

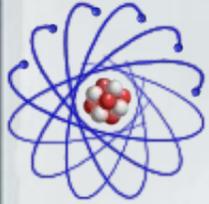
April 25, 2012



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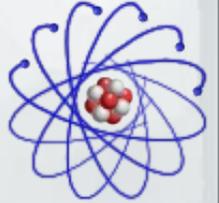


- Presentation Overview
 - The last six months
 - What we are currently working on
 - What we see in the future

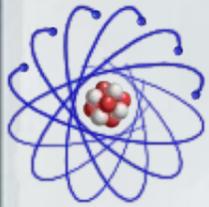


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The Past Six Months

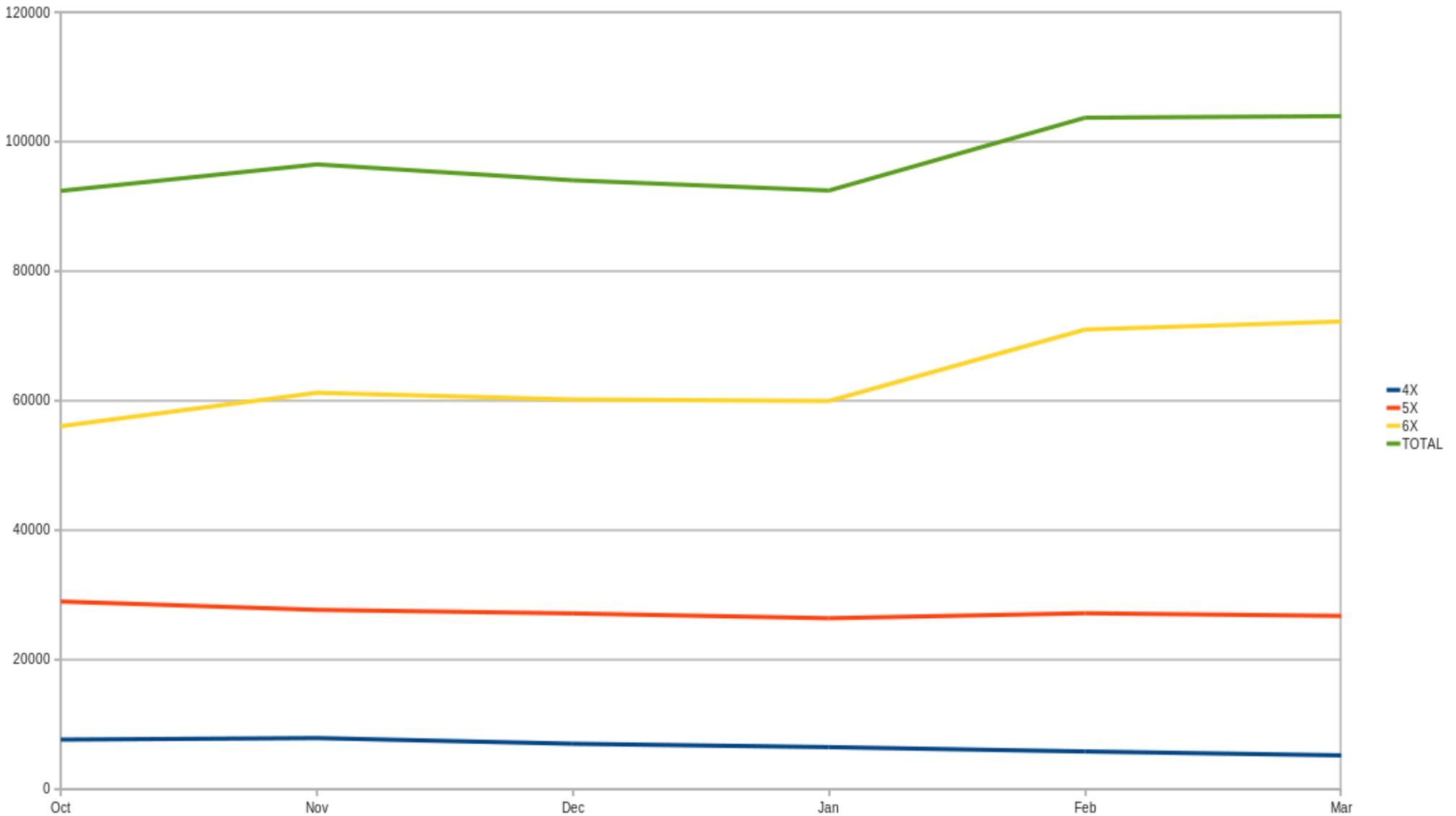
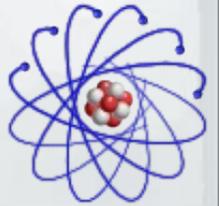


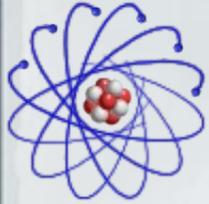
- The following statistics were gathered from ftp.scientificlinux.org log files
 - These numbers are a minimum. We know that the real numbers are higher.
 - These numbers are based on the yum access to the errata
 - In 2011 we added statistics based on total number of downloads versus unique IP address downloads.
 - We currently have 83 public mirrors. These statistics do not represent any of the mirror sites.



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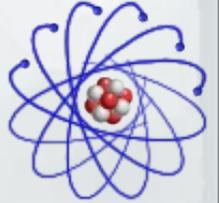
The Past Six Months



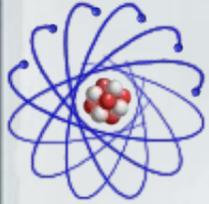


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The Past Six Months

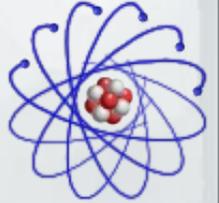


- SL. 5.8 released April 2012
 - Updates to
 - Wireless drivers
 - Java
 - Openafs 1.4.14-80 - 1.6.1 in testing repo
 - Isb_release -a now reports the same as SL6
 - yum-autoupdate now supports PRERUN and POSTRUN , implemented similar to SL 6

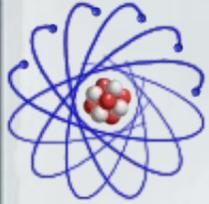


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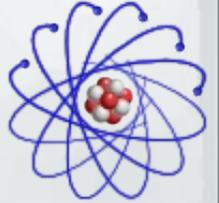


- S.L. 6.2 released – February 2012
 - Updates
 - Openafs 1.6.0-97.z2
 - 1.6.1 is in testing
 - Yum-autoupdatte adds PRERUN and POSTRUN
 - livecd-tools, liveusb-creator updated to 1.3.4
 - x86_64 adobe repo added

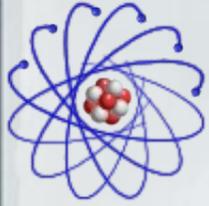


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The Past Six Months

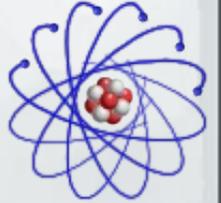


- SL Live 6.2 released – February 2012
 - Web site is at www.livecd.ethz.ch
 - For i386 and x86_64
 - CD, DVD, mini-CD
 - Uses anaconda to install to a hard drive
 - Liveusb-creator makes it trivial to create a LiveUSB from the CD/DVD images.
 - LiveCD-tools makes it easier for people to create their own LiveCD

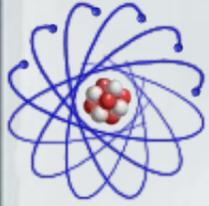


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The Past Six Months



- SL 4.9
 - End of Life February 2012
 - ftp.scientificlinux.org 4.x tree's will be moved to “obsolete” at the end of May 2012

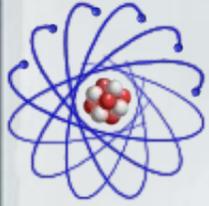


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The Past Six Months



- Security updates released for all supported versions
- Fastbugs updates released weekly for latest versions of, SL5 and SL6.

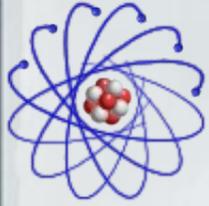


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The Past Six Months

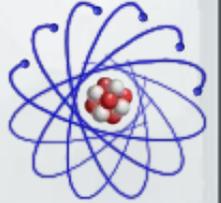


- Department Reorg
 - Now have 4 other people in group
 - Jason Harrington
 - Bonnie King
 - Farhan Ahmed
 - Rennie Scott

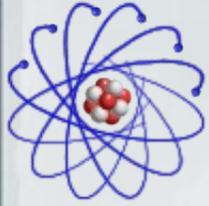


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The Past 6 months

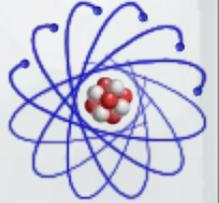


- Implemented automation of rpm checking
 - automatic repo dependency checking for SL 5 recently implemented
 - Uses “repoclosure” from yum-utils
 - Already had implemented this for SL 6

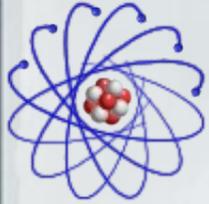


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Future

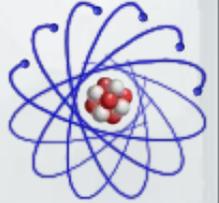


- Delayed because of Department reorg
 - Will release as a Technology Preview yum-security support for SL 6
 - Provides for easy CVE search
 - Provided by yum-plugin-security rpm
 - Requires updateinfo.xml in repodata/ which we will add
 - See example on next slide



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Future



```
]# yum info-sec --cve CVE-2011-2372
```

```
Loaded plugins: refresh-packagekit, security
```

```
thunderbird-3.1.15-1.el6
```

```
Update ID : SLSA-2011:1342-01
```

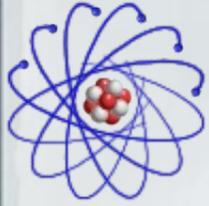
```
Release : Scientific Linux 6
```

```
Type : security
```

```
Status : stable
```

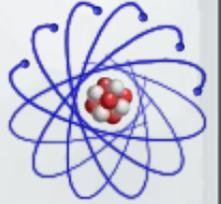
```
CVEs : CVE-2011-2372
```

```
Files : thunderbird-3.1.15-1.el6_1.x86_64.rpm
```

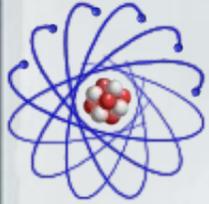


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Future

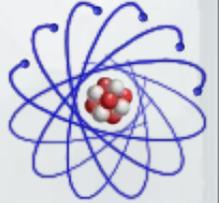


- Creation of a “Packages” database
 - Will be used for Quality Control
 - Verification of “fastbugs” rpm names
 - Input to “updateinfo.xml”

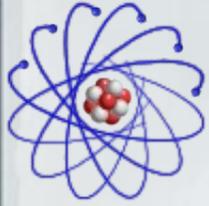


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What we see in the future

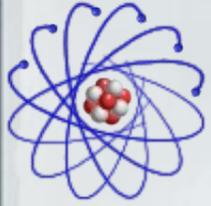


- Continuing to have security updates for all releases of SL 5 and 6.
- Continuing to have fastbug updates for only the latest releases of SL 5 and 6.
- Note TUV extension of Lifetime from 7 to 10 years
 - RHEL 5 2017
 - RHEL 6 2020
- TUV released RHEL 6.3 BETA yesterday
 - So probably will release RHEL 6.3 Within 2 months



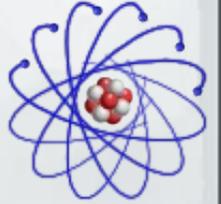
CMDB for Service Now

- Pulling data from
 - SCCM – Windows
 - OCS Inventory – Linux

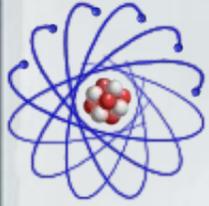


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Discussion / Questions

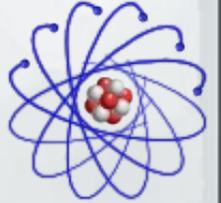


- Discussion
- Other Questions?



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References



- <http://www.scientificlinux.org/>
- <http://www.scientificlinux.org/distributions/6x/60/>
- <http://www.scientificlinux.org/download/mirrors>
- <http://www.livecd.ethz.ch/>
- <https://www.redhat.com/licenses/>
- https://www.redhat.com/licenses/rhel_us_appendix1.pdf