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Status Update on Scientific Linux

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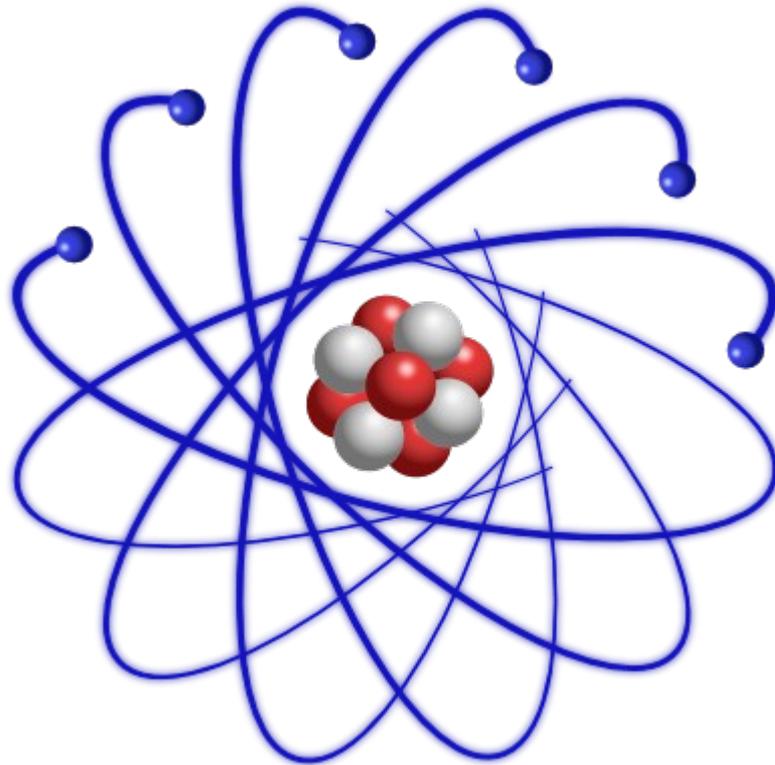
HEPiX Fall 2015
12 October 2015

Overview

- Changes since Spring HEPiX
- Current and upcoming Projects for Scientific Linux

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Overview

- Recently expanded, flattened development/operations team

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Releases – SL5

- No updates since Spring HEPiX
  - 5.11 is the final point release
  - Production Level 3 – Security Errata only
  - End of production support – March 31, 2017

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Releases – SL6

- SL 6.7 released – Aug 11, 2015
  - Driver updates
  - OpenAFS 1.6.14
  - Addition of glusterfs-server
  - **Developer Toolset** now part of **Software Collections**

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Releases – SL7

- SL7.1 released -April 4, 2015
  - OverlayFS – Tech Preview (upstream)

- RHEL 7.2 in beta

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SL7 − In Development Features

- Focused on HEP community site configurations
  - yum repo extensibility
  - Site-specific package inclusion

- Scientific Linux Contextual Framework
  - Standardized repo directory structures and for easy site customizations
  - Focused on HEP community collaboration
  - More information coming soon

- SL Docker images

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- Reaching out for collaboration

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SL – Release Management
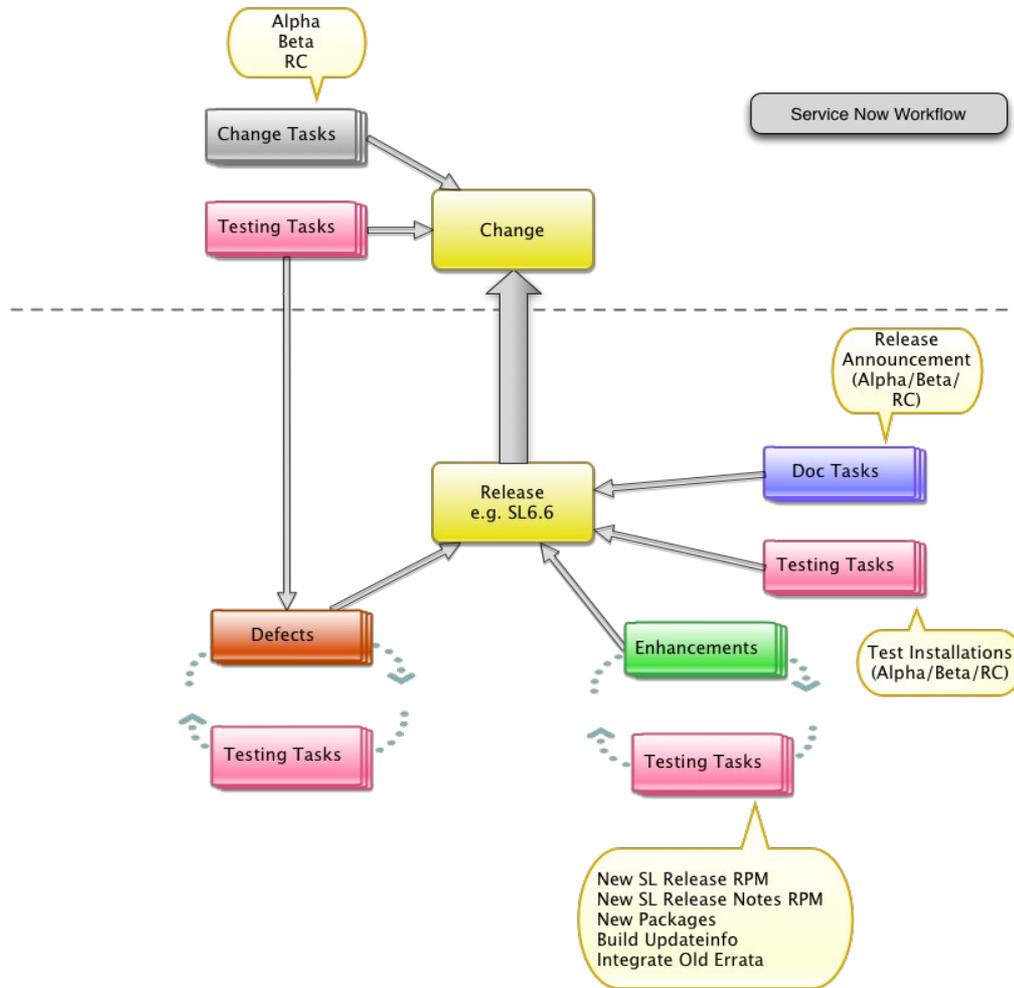
SL – Release Management

Release

	Number	Short Description	State
	RLSE0001206	SL 7.1	Closed Complete

Testing Task(s)

	Number	Short Description	State	Testing Results	Tester(s)
	TEST0002880	verify versions of packages in SL 7.1 vs Oracle Linux 7.1	Closed Complete	Pass	Constance Sieh
	TEST0002915	SL 7.1 verify versions against Springdale	Closed Complete	Pass	Constance Sieh

Documentation Task(s)

Number	Short Description	State	Documenter(s)

No Documentation Tasks

Enhancement

	Number	Short Description	State
	ENHC0001758	SL7 default yum-repos (in particular for netinstall)	Closed Complete

Testing Task(s)

Number	Short Description	State	Testing Results	Tester(s)

No Testing Tasks

Documentation Task(s)

Number	Short Description	State	Documenter(s)

No Documentation Tasks

Enhancement

	Number	Short Description	State
	ENHC0001808	7.1 - Update EPEL release for SL 7	Closed Complete

Testing Task(s)

Number	Short Description	State	Testing Results	Tester(s)

No Testing Tasks

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Future features

- OpenSCAP for SL
  - Security Content Automation Protocol

- Exploring HEP use cases for:
  - Katello (Satellite 6 upstream [Pulp, Candlepin, Foreman])
  - Container technologies

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Thank you to our ongoing collaborators

- Stephan Wiesand - OpenAFS
- GE Medical
  - Chris Brown - ZFS

- Akemi Yagi – Functional testing and community contributions
- Urs Beyerle – Live Images

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Red Hat and SL – collaborative relationship

" Red Hat's decision to release their entire source code to download, review and build provided the HEP labs with the platform they needed to build their own Linux distribution, Scientific Linux.

Red Hat continues to support Fermilab and Scientific Linux and this collaboration speaks volumes to the partnerships that an open source development model creates.

At Red Hat we're proud to continue working so closely with Fermilab and SL and we look forward to the opportunity to collaborate on future projects with all of the HEP labs."

-Danny Climo, Red Hat

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Questions?

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