

SALTCONF



Developing SaltStack

Nicole Thomas, SaltStack QA Engineer
Nitin Madhok, Clemson University Systems Developer

Follow us on GitHub @rallytime and @nmadhok

#SaltConf15



Welcome

What we'll cover...

- Setting up your Development Environment
- Salt's Branching Strategy
- Creating An Issue
- Finding and Fixing Issues



Set up your Development Environment

*Installing packages, Cloning repository,
Creating isolated python environment etc.*

Resources

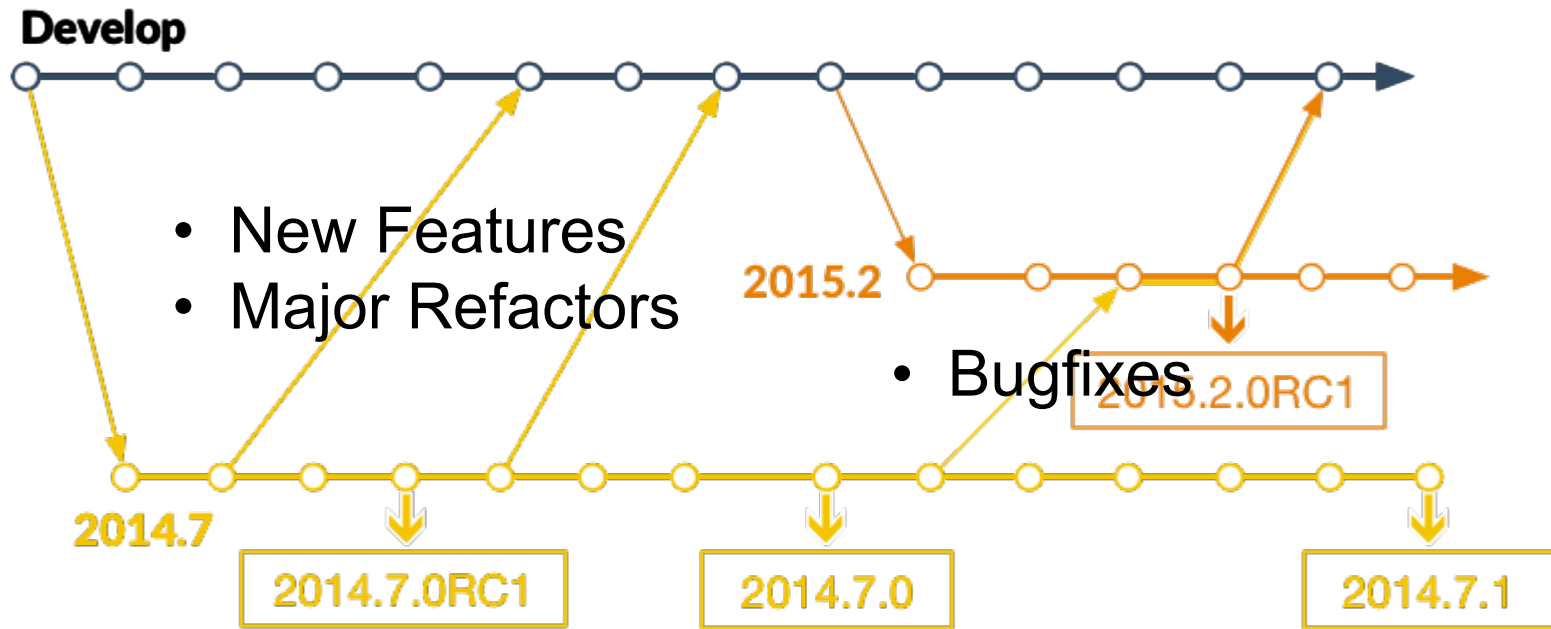
Helpful links to be used during this demo

- Setting up git:
 - <https://help.github.com/articles/set-up-git/>
- Generating SSH Keys
 - <https://help.github.com/articles/generating-ssh-keys/>
- Installing Salt for Development
 - <http://docs.saltstack.com/en/latest/topics/development/hacking.html>

Branching Strategy

Salt's Branching Strategy

Features, Bugfixes, and Forward Merges



Creating an Issue

*Have a great idea for a new feature?
Found a bug?*

Creating Issues

Best Practices for creating new issues

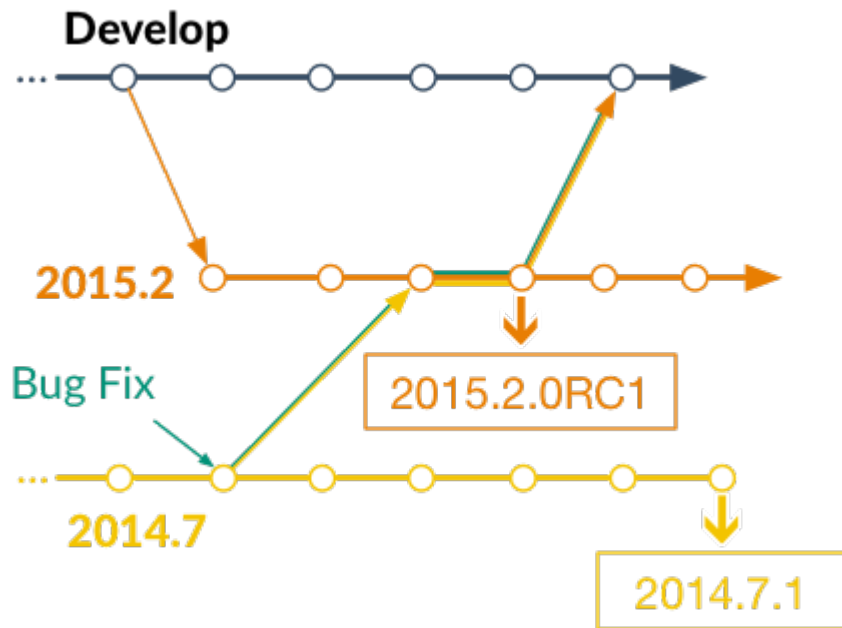
- Does the issue already exist?
 - Yes? - Document your findings there.
 - If not, good bug reports include:
 - Descriptive Title
 - Detailed report of the problem
 - Steps to reproduce the issue
 - Versions Report:
 - `salt --versions-report`
 - `salt <minion> test.versions_report`

Finding and Fixing Issues

Learn how to find existing issues and submit a Pull Request to fix them.

Branching Strategy: Bugfix

Bugfix on 2014.7 merges forward



Contributing: Preparation

Find the correct branch and prepare for commits.

- New Feature? Large Refactor?
 - Develop!
- Bugfix?
 - Locate Correct Bugfix Branch
 - 2014.7 or 2015.2
- Pull fresh copy down of the correct branch
 - Create new, local branch
 - "fix_25381" or "linode_cloud_tests"

Contributing: Work Your Magic

Make your changes and commit them.

- Only fix "one story"
 - Commit changes to local branch
- Auto-Close Issues
 - "Fixes #25381"
 - Must go in the commit message
- Push local branch to your GitHub repository
 - Create Pull Request

Contributing: Pull Requests

Submit your changes to Salt!

- Descriptive PR Title
 - Message provides more details
 - Reference issue number
- Submit PR against the correct branch
 - Defaults to develop
- Keep an eye on test results
 - Fix any issues
 - New commits == new testrun

Resources

Helpful Salt and GitHub Documentation

- Salt Documentation:
 - <http://docs.saltstack.com>
- Contributing Documentation:
 - <http://docs.saltstack.com/en/latest/topics/development/contributing.html>
- Installation for Developers Documentation:
 - <http://docs.saltstack.com/en/latest/topics/development/hacking.html>
- Testing Documentation:
 - <http://docs.saltstack.com/en/latest/topics/development/tests/index.html>
- GitHub:
 - Forking a repo: <https://help.github.com/articles/fork-a-repo/>
 - Submitting a PR: <https://help.github.com/articles/using-pull-requests/>

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Thank you

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