Managing VMware infrastructure using salt-cloud
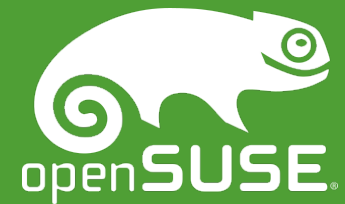
Nitin Madhok, Systems Developer, Clemson University

GitHub: @nmadhok
Twitter: @_nmadhok_
LinkedIn: https://linkedin.com/in/nitinmadhok

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whoami

*couple of things about me …*

- Spoken at various conferences including SaltConf15, OpenStack Summit 2015 (Tokyo), SaltConf16, openSUSE conference 2016 (Germany) etc.

- Involved with the saltstack project since it's early stages and also actively contribute to other open source projects such as OpenStack, GitLab etc.

- Few of the significant contributions made include making Salt compatible with Python 3, creating salt-cloud VMware driver, creating DNS/ASAM/Spacewalk runners, creating ZFS/Zpool modules, maintaining saltstack-formulas etc.

whoami

couple of things about me …

- #1 rank by commits for contributions made to SaltStack projects within the past two years!
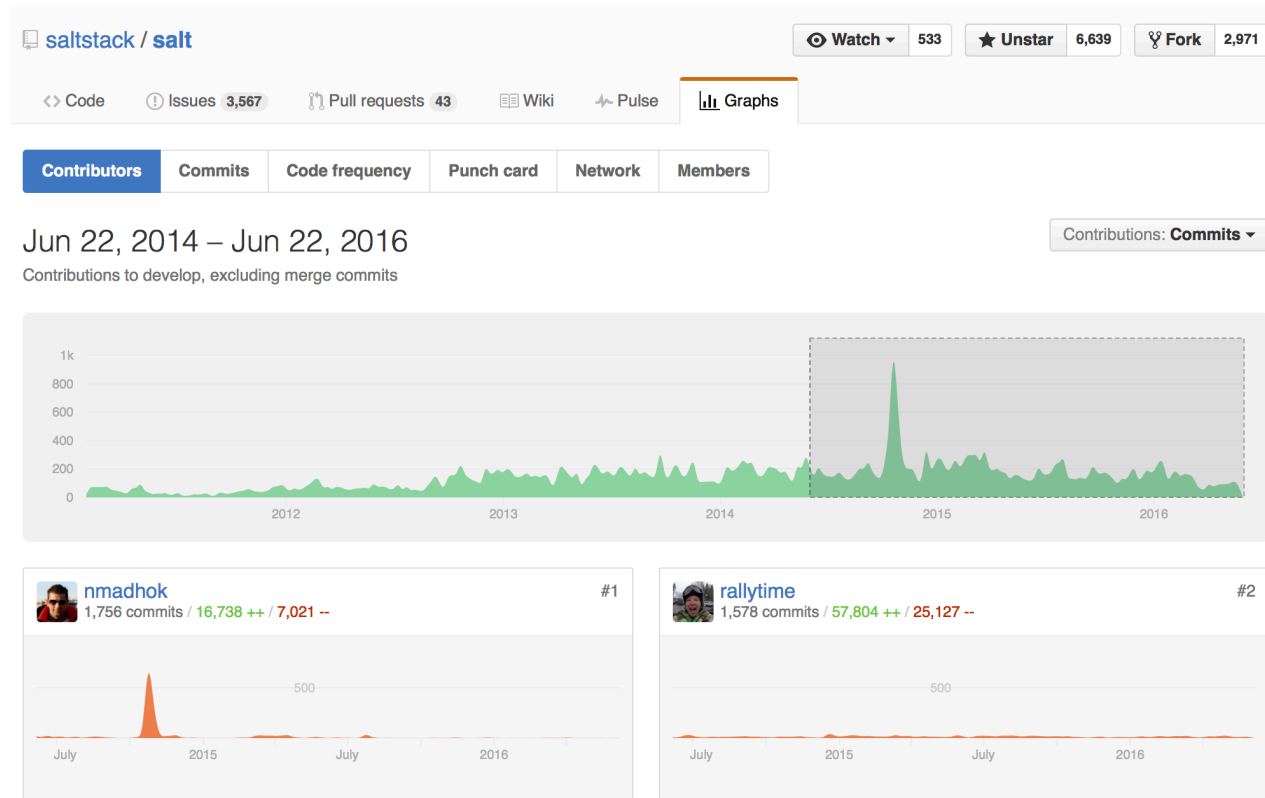
agenda
what we will cover …

- What is salt-cloud?

- Basic terminology
    - Providers
    - Profiles
    - Maps

- Live demo using salt-cloud with VMware

salt-cloud

what is it? why was it created?

- It is a private/public cloud provision tool

- Integrates salt with cloud providers

- Makes modeling and provisioning of minions quick and easy

- Initially created to automatically accept keys on the master

- Current integration with AWS, Azure, DigitalOcean, Google Compute Engine, HP Cloud, OpenStack, Rackspace, SoftLayer, VMware and many more!

basic terminology

providers? profiles? maps?

- Provider contains cloud provider related information.
  Default location is */etc/salt/cloud.providers*

- Profile contains VM related information.
  Default location is */etc/salt/cloud.profiles*

- Map can be used to specify multiple VM's using the same profile.
  Default location is */etc/salt/cloud.map*

Live Demo

Learn how to set up, configure, manage your VMware environment and deploy VMs using salt-cloud

Presentation content at:
https://github.com/nmadhok/oSC16

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Thank you.

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rbrown@opensuse.org

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