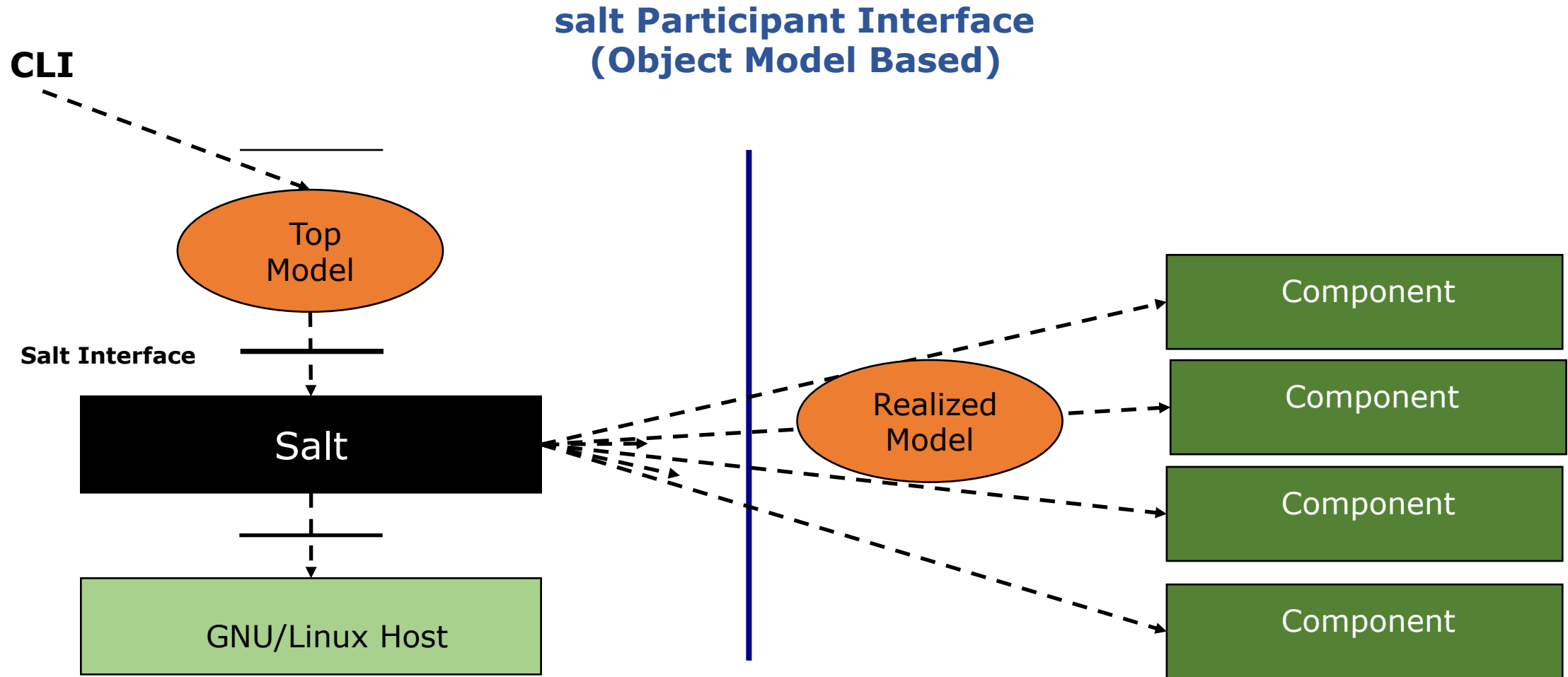




OpenSDS- installer/salt

Solution design

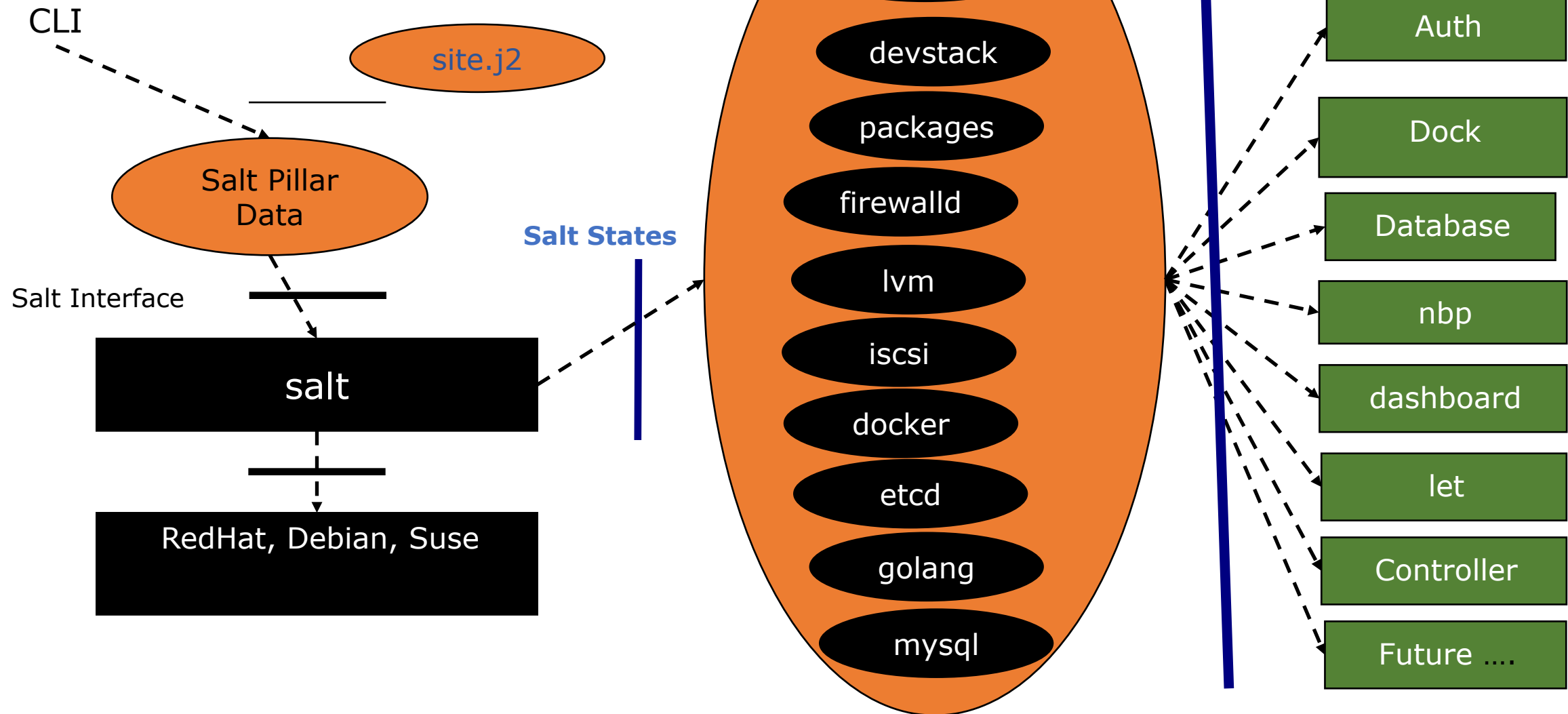
Salt Overview



Solution Design

Salt Formulas

YAML/Jinja2/SLS



Salt Formulas

The screenshot shows the GitHub interface for the repository `saltstack-formulas / opensds-formula`. The repository is a fork of `noelmcloughlin/opensds-formula`. The page includes a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are buttons for Unwatch (53), Unstar (1), and Fork. The main content area shows the repository description: "Salt formula to integrate with OpenSDS - under verification". It also displays statistics: 32 commits, 1 branch, 0 releases, and 3 contributors. A progress bar is visible below these statistics. The page also shows a pull request merge by `nmadhok` and a commit message: "Devstack depends on MySQL (&same password too)".

Search or jump to... Pull requests Issues Marketplace Explore

saltstack-formulas / opensds-formula
forked from noelmcloughlin/opensds-formula

Unwatch 53 Unstar 1 Fork

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Salt formula to integrate with OpenSDS - under verification

Manage topics

32 commits 1 branch 0 releases 3 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

This branch is 13 commits ahead of noelmcloughlin:master. Pull request Comparisons

nmadhok Merge pull request #6 from noelmcloughlin/fixes Latest commit df954f8 3 days ago

opensds Devstack depends on MySQL (&same password too) 3 days ago

LICENSE Enhanced data & data management (Gantt) & other components for...

Salt Formulas

mysql-formula

Install the MySQL client and/or server

● SaltStack ★ 72 🍴 344 Updated 17 days ago



● Shell ● Pyt

firewalld-formula

Forked from tinuva/firewalld-formula

Salt Stack Formula to set up and configure Firewalld, dynamically managed firewall with support for network/firewall zones to define the trust level of network connections or interfaces

● SaltStack ★ 5 🍴 47 Updated on 26 Aug



etcd-formula

Forked from RobertFach/etcd-formula

● SaltStack ★ 3 🍴 24 Updated 2 hours ago



devstack-formula

Forked from noelmccloughlin/devstack-formula

Deploy Openstack Devstack via salt

● SaltStack ★ 1 🍴 1 Updated a day ago



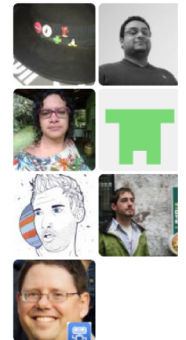
Most used top

saltstack-forr

jetbrains-ides

formula

People



Install OpenSDS through Salt

Preparation

Provision one or more GNU/Linux hosts so we can deploy OpenSDS.

Download installer

```
sudo -s
git clone https://github.com/<reponame>/opensds-installer.git /root/opensds-installer
cd /root/opensds-installer
git checkout dev-salt
```

Site-specific data collection

Review and update `/root/opensds-installer/salt/site.j2` parameters according to site requirements.

Site Data Collection

Executable File | 35 lines (33 sloc) | 1.54 KB

Raw Blame History

```
1 *****
2 # SITE & RELEASE DATA COLLECTION
3 # Save file as /srv/pillar/site.j2
4 # this is jinja not yaml!!
5 *****
6 {%- set sitedata = {} %}
7 {%- do sitedata.update( {
8     'hotpot_release': 'v0.3.0',
9     'hotpot_hashsum': 'md5=61dfd596a06869364917657e44901085',
10    'sushi_release': 'v0.3.0',
11    'sushi_hashsum': 'md5=6c82a9f139862799dcb9122142cd2533',
12    'cinder_hashsum': 'md5=1751f8e4f6b4cddd8c4843a0f4473274',
13    'kubectl_hashsum': 'md5=75fd51c605b6e8ef50816dff8cee6d40',
14    'hotpot_uri': 'https://github.com/opensds/opensds/releases/download',
15    'sushi_uri': 'https://github.com/opensds/nbp/releases/download',
16    'cinder_url': 'https://raw.githubusercontent.com/openstack/cinder/master/contrib/block-box/docker-compose.yml',
17    'kubectl_url': 'https://storage.googleapis.com/kubernetes-release/release/v1.11.0/bin/linux/amd64/kubectl',
18    'img_controller': 'opensdsio/opensds-controller:latest',
19    'img_dock': 'opensdsio/opensds-dock:latest',
20    'img_dashboard': 'opensdsio/dashboard:latest',
21    'img_etcd': 'quay.io/coreos/etcd:latest',
22    'host_ipv4': grains.ipv4[-1],
23    'host_ipv6': grains.ipv6[-1],
24    'devstack_enabled_services': 'mysql,key',
25    'devstack_password': 'opensds@123',
26    'devstack_dir': '/opt/opensds-linux-amd64-devstack',
27    'port_controller': '50040',
28    'port_dock': '50050',
29
30    'dock_type': 'provisioner',
31    'nbp_plugin_type': 'hotpot_only',
32    'enabled_backend': 'lvm',
33 }
```


Install Salt

```
sudo /root/opensds-installer/salt/install.sh -i salt [ -m <SALT-MASTER-HOST> ]
```

i.e.

```
sudo /root/opensds-installer/salt/install.sh -i salt [ -m 10.0.2.15 ]
```

Install OpenSDS

```
sudo /root/opensds-installer/salt/install.sh -i opensds
```

Appendix

The following file includes a saved installation session on Centos7.

[https://github.com/opensds/opensds-
installer/files/2413222/Demo_Installer_Centos7_log.txt](https://github.com/opensds/opensds-installer/files/2413222/Demo_Installer_Centos7_log.txt)