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Topics

- Installing SaltStack
- Remote Execution
- Grains
- Modules
- States
- Pillar
- Cloud
- GitFS

The text "HOT TOPIC" is written in a stylized, red, blocky font with a distressed, hand-painted appearance. The letters are thick and have irregular edges, giving it a rugged, industrial feel. The text is centered horizontally and is set against a plain white background.

Installation

Insecure One-Liner:



```
curl -L https://bootstrap.saltstack.com | sudo sh -s --
```

Make sure the **salt-master** package is also installed and that the service is running.

Configuration

`/etc/salt/master|minion`

`/srv/salt/top.sls`

`/srv/pillar/top.sls`



Remote Execution

The foundation of everything to come.
Message queue system.

SPEED

```
salt '*' test.ping
```

```
salt '*' cmd.run whoami
```

```
salt '*' pkg.upgrade
```



Grains



Information gathered about hosts.
Used to target nodes.

```
salt '*' grains.items
```

```
salt -G 'os:Windows' test.ping
```

Modules



Code that defines how various tasks are performed.

Execution Modules

Used in the remote execution examples.

State Modules

Built on execution modules to allow states to be defined.

States

Files that contain YAML. This defines the desired state of the server.

<https://github.com/linuturk/saltstates>

vim:

- pkg.installed



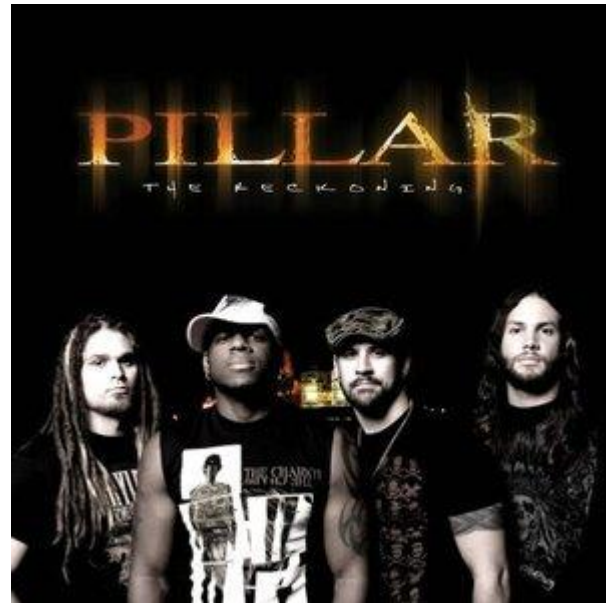
Pillar

Store your secrets here.

Targeting encrypts the pillar data for the targeted nodes only.

/srv/pillar/top.sls

[pillar.example](#)



Cloud

Provision resources on various clouds.

github.com/Linuturk/webpagetest

[provider.example](#)

[profile.example](#)

[mapfile.example](#)



GitFS



Keep your states in version control.

Configure GitFS on your master.

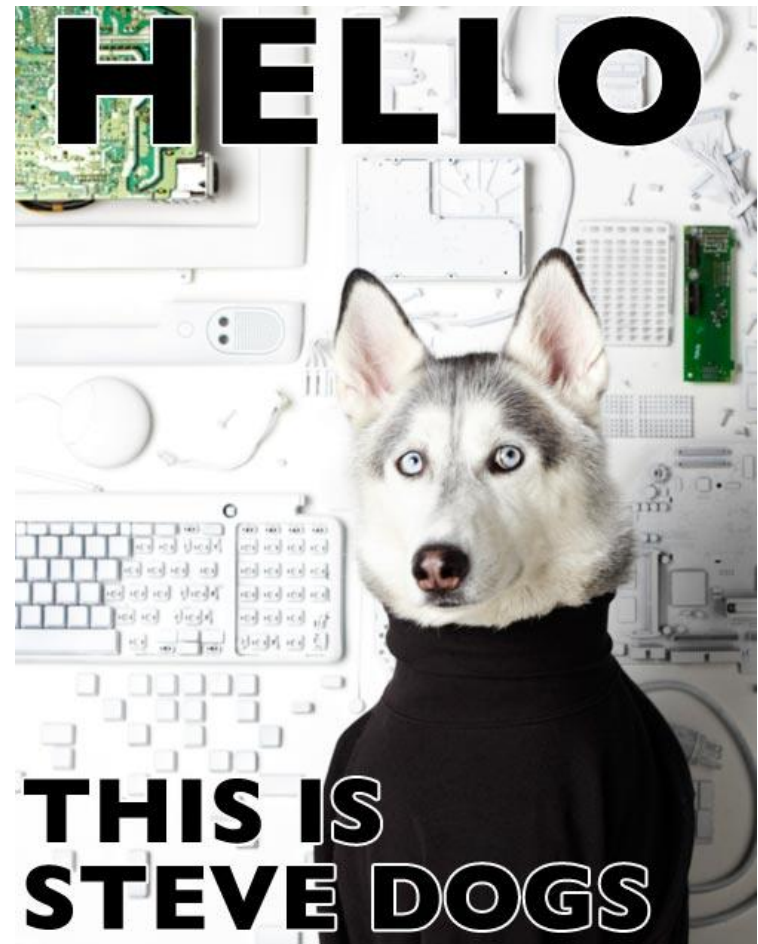
Git branches map to Salt environments.

Multiple remotes possible.

Can also be used for pillar (private repos).

A Few More Things

- Master / Syndic
- Runners
- Returners
- ACL's / Command Limits
- docs.saltstack.com
- github.com/saltstack



Thanks!



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