

Live demonstration of tying together git, salt and Bareos/Bacula



Open Source **Backup**
Conference

29 - 30 September 2015 | Cologne

Who am i:

- Marco Weiß
- 31 years old
- CEO of kessler GmbH

Agenda:

- Introduction to Salt-Stack
- Salt-Stack and git
- Live demonstration

Salt-Stack

- **Configuration management**
- **Infrastructure orchestration**
- **Infrastructure management**
- **remote execution engine**
- **Open-Source under the Apache-License 2.0**

Salt-Stack components



- **Master:** Central minion manager

- **Minion:** The client itself

- **ZeroMQ:** Salt-Stacks communication backend

- **Grains:** Standard set of client system

information

- **Pillars:** User-defined set of information

- **State:** User-defined description

- **Formulas:** Collection of user-defined states

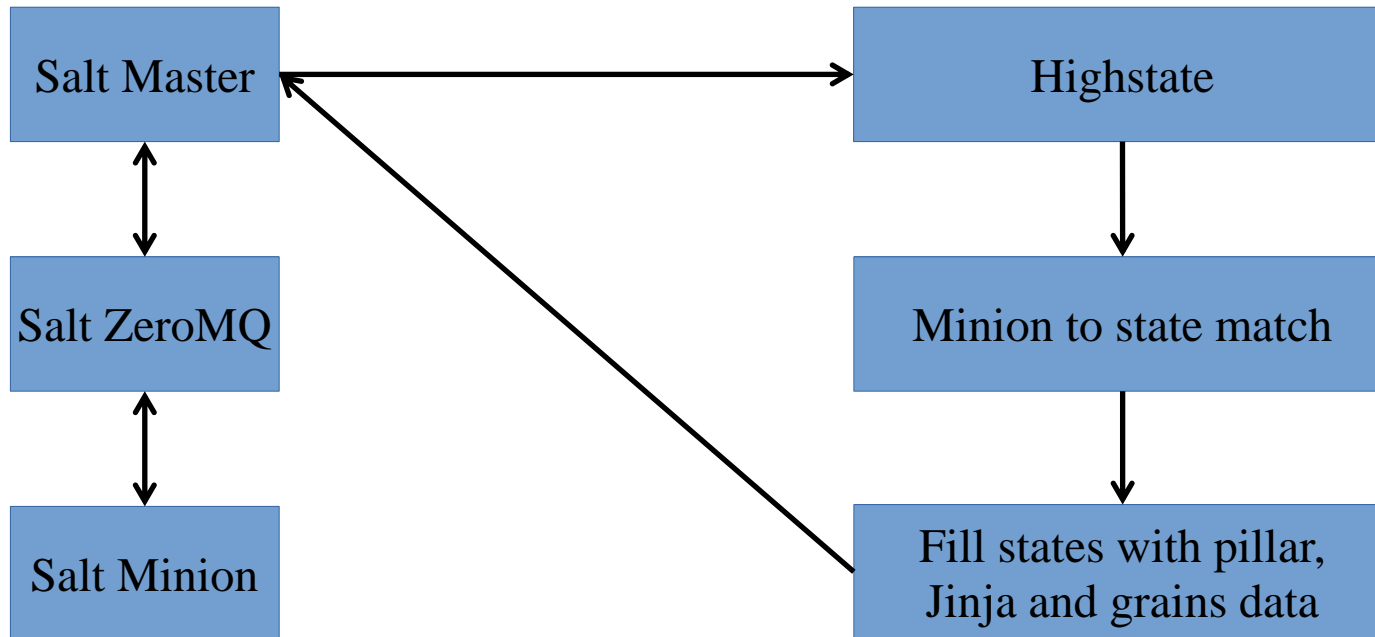
- **State Module:** Set of internal SaltStack

functions

- **Execution Module:** Predefined commands

executed on the minions

Salt-Stack topology



Salt-Stack and git

/srv/salt/ -- surrounding git repository

├─ **pillar -- pillar root**

| └─ **org -- TLD structured directory structure**

| | └─ **osbconf -- customer directory**

| | | └─ **backupsrv1 -- server**

| | | └─ **groupwaresrv1**

| └─ **de**

| | └─ **kesslernetworks**

| | | └─ **backupsrv1**

| | | └─ **groupwaresrv1**

├─ **salt-formula -- salt formulas file root customer independent**

| └─ **bacula -- state in formula directory structure**

| └─ **bareos**

└─ **state -- state file root customer specific**

| └─ **org -- TLD structured directory structure**

| | └─ **osbconf -- customer directory**

| | | └─ **host-backupsrv1 -- server state**

| | | └─ **host-backupsrv1**

| └─ **de**

| | └─ **kesslernetworks**

| | | └─ **host-backupsrv1**

Live demonstration

Please turn of your Wi-Fi ;)

Thank you for your attention!
No more question?
Have a nice day!