Saltstack

Saltstack

- Remote execution
- Configuration management
- Extentions

Remote execution

- Modules
 - Do what?
- Returners
 - Done. Where to report back?
- Targeting
 - Grains
 - Pillar

Remote execution

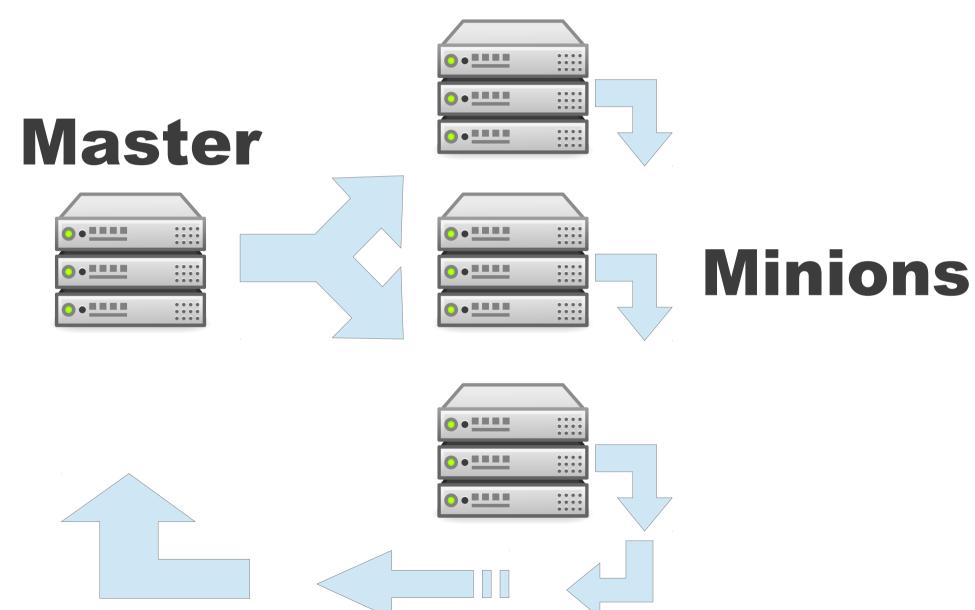
```
stabas@Meska: ~
 sudo salt "*" test.pingmote execution
True
      ~ sudo salt "*" test.ping
True
```

Remote execution

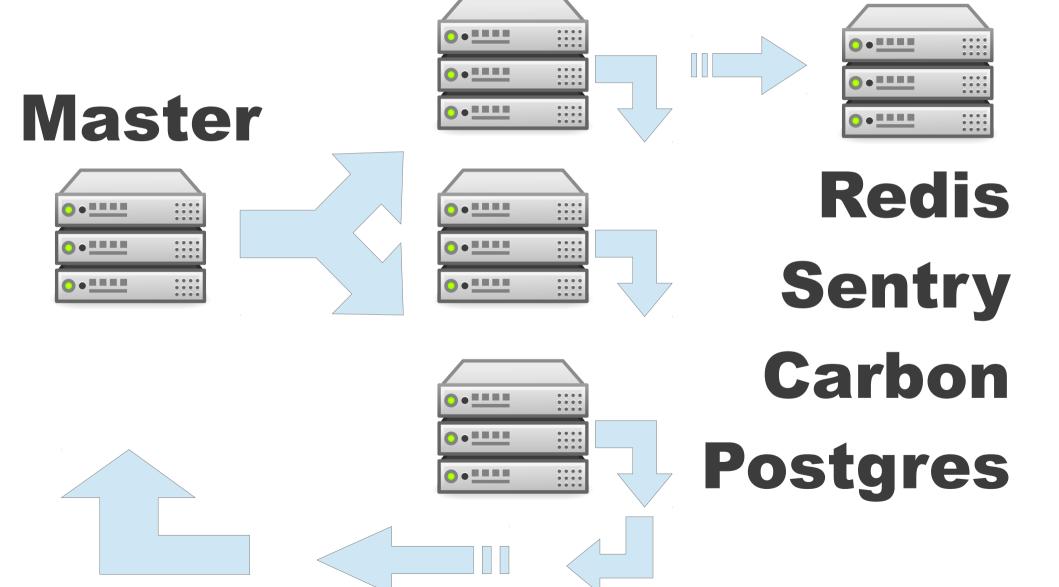
```
stabas@Meska: ~
sudo salt "*" test.version ote execution
     ~ sudo salt "*" test.ping
```

```
stabas@Meska: ~
     sudo salt "gs*" pip.install psutil
151:
       7742
   retcode:
   stderr:
   stdout:
```

Returners



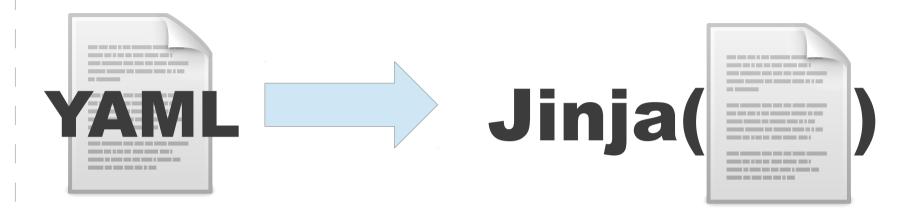
Returners



Configuration management

- States
 - Top.sls
 - my_state.sls
- Renderers
 - Default:
 - Yaml
 - Jinja
 - More:
 - Py, pydsl
 - Mako
 - Json
 - Stateconf
 - wempy

States / Renderers



Master

Highstate



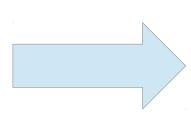






States / Renderers





Master

Highstate









States / Renderers



Master

Highstate









Extentions

- Writing your own
 - Modules
 - States
 - Renderers
 - Returners
- Embedding salt:
 - into your application
 - API

Extentions: modules

```
_modules/mymodule.py:

def foo(bar):

return __salt__['cmd.run'](bar)
```

Extentions: embedding

```
Myprogram.py:
```

```
# Import the Salt client library
import salt.client
# create a local client object
client = salt.client.LocalClient()
# make calls with the cmd method
ret = client.cmd('*', 'cmd.run', ['ls -l'])
```

Directions

Saltstack:

http://docs.saltstack.com/

• Opinions:

http://shortly.nl/mxW

Moral