Saltstack Workshop

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Basic Packages

- Create file `/etc/salt/states/default/init.sls`:

```
thebase:
  pkg.installed:
    - install_recommends: False
    - pkgs:
      - wget:
      - curl:
      - sysstat:
      - ethtool:
      - screen:

openssh-server:
  pkg.installed

an_ssh_bla:
  pkg.installed:
    - name: openssh-server
```

- Run: `salt 'firefly' state.sls defaults`

Create pillar data

○ Create file **/etc/salt/pillars/users/init.sls**

```
users:
  inara:
    fullname: Inara Serra
    email: inara@serenity.com
    home: /home/inara
    shell: /bin/bash
    groups:
      - root
    pub_keys:
      - ssh-rsa <snip>6Qd9dNjBpkEW0lJt1NXKQo3==
    enabled: True
```

○ Run: `salt 'firefly' pillar.data`

Create pillar data

○ Create file **/etc/salt/pillars/users/init.sls**

```
users:
  inara:
    fullname: Inara Serra
    email: inara@serenity.com
    home: /home/inara
    shell: /bin/bash
    groups:
      - root
    pub_keys:
      - ssh-rsa <snip>6Qd9dNjBpkEWOlJt1NXKQo3==
    enabled: True
```

○ Run: `salt 'firefly' pillar.data`

○ Create file **/etc/salt/pillars/top.sls**:

```
base:
  '*':
    - users
```

○ Run again: `salt 'firefly' pillar.data`
○ Go ahead and create another user

Create pillar data

- Create the following `location` pillar data and include it in `top.sls`:

```
location:
  name: firefly
  domain: serenity.com
  dns:
    - 8.8.8.8
    - 8.8.6.6
  root: /opt/serenity
```

Create pillar data

- Create the following `location` pillar data and include it in `top.sls`:

```
location:
  name: firefly
  domain: serenity.com
  dns:
    - 8.8.8.8
    - 8.6.6.6
  root: /opt/serenity
```

- Lastly create some `elasticsearch` pillar data and add it in `top.sls` only for your host:

```
elasticsearch:
  config:
    cluster.name: {{salt['grains.get']('elasticsearch:
    cluster', "kaylee")}}
    node.name: {{salt['grains.get']('fqdn')}}
    node.master: true
    node.data: true
    bootstrap.mlockall: true
    transport.tcp.compress: true
```

Running states - Create users

Create a new user state, using the following:

```
lorem ipsum
```