OpenSwitch +

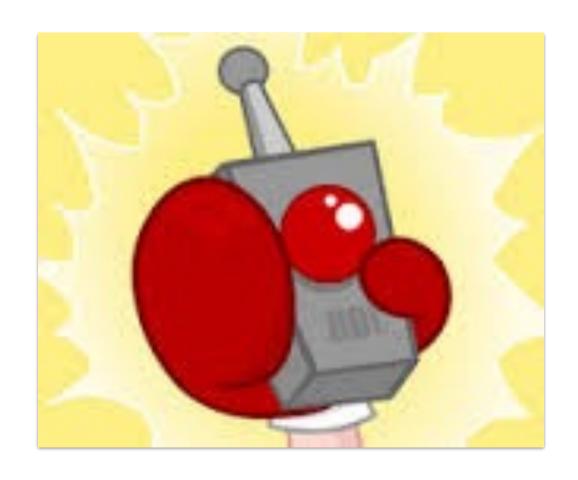
Ansible

Kei

Nohguchi

What?

```
| 1
         +--+--+
         | fab1 |
         +-+--+
         12 13
       +---+ +---+
     +---+ +---+
     | spine1 | | spine2 |
     +-+--+ +--++
      12 | 3 | 12 | 3
  +----+
  |1 |1 |1 |1
+---+ +---+ +---+ +---+ +---+
+-+--+ +-+--+ +-+--+
 | 2 | 3 | 2 | 3 | 2 | 3 | 12 | 3
```



How?

Inventory, Variables, KP Playbooks

Inventory

```
$ cat hosts
[switches:children]
fabrics
spines
leaves
[spines]
spine1 ansible_host=10.10.10.1
spine2 ansible_host=10.10.10.2
[leaves]
```

Variables

```
$ cat host_vars/fab1.yaml
ops_vrfs:
  - name: vrf_default
    ports: [1, 2, 3]
    bgp_routers:
      - as_number: 65000
        router_id: 172.16.0.1
        networks: [172.16.0.0/24, 172.16.2.0/24]
        neighbors:
          - address: 172.16.1.2
            remote_as: 65001
          - address: 172.16.2.2
            remote_as: 65002
```

. . .

Playbooks

```
$ cat site.yaml
- name: L2/L3 configuration on fabric switches
  hosts: fabrics
  roles:
    - role: switch

    name: L2/L3 configuration on spine switches

  hosts: spines
  roles:
    - role: switch

    name: L2/L3 configuration on leaf switches

  hosts: leaves
  roles:
    - role: switch
```

In action!

https://asciinema.org/~kei

https:// github.com/ keinohguchi/ dc-on-docker

kei #openswitch freenode.net

!Muchas Gracious!