DragonFlow

- Integral part of OpenStack
- Fully Open Source
- Scale, Performance and Latency
- Lightweight and Simple
- Easily Extendable
- Distributed Control Plane
DragonFlow - Distributed SDN

Neutron-

Compute Node

OVS
Dragonflow
DB
Driver

Compute Node

OVS
Dragonflow
DB
Driver

Compute Node

OVS
Dragonflow
DB
Driver

Compute Node

OVS
Dragonflow
DB
Driver

DB

OPEN CLOUD POWERED BY OPENSTACK
Selective Distribution

Dragonflow DB Drivers
OVSDDB, ETCD, RMC, RethinkDB

Distribute
DB Data 1
DB Data 2
DB Data 3

Compute Node 1
Dragonflow
Local Cache
DB Data 1
OVS

Compute Node N
Dragonflow
Local Cache
DB Data 2
DB Data 3
OVS
Roadmap

- Containers
- Distributed SNAT/DNAT
- Reactive DB
- Topology Service Injection / Service Chaining
- Smart NICs
- Hierarchical Port Binding (SDN ToR)
- Inter Cloud Connectivity (Boarder Gateway / L2GW)
- Fault Detection
Thanks!