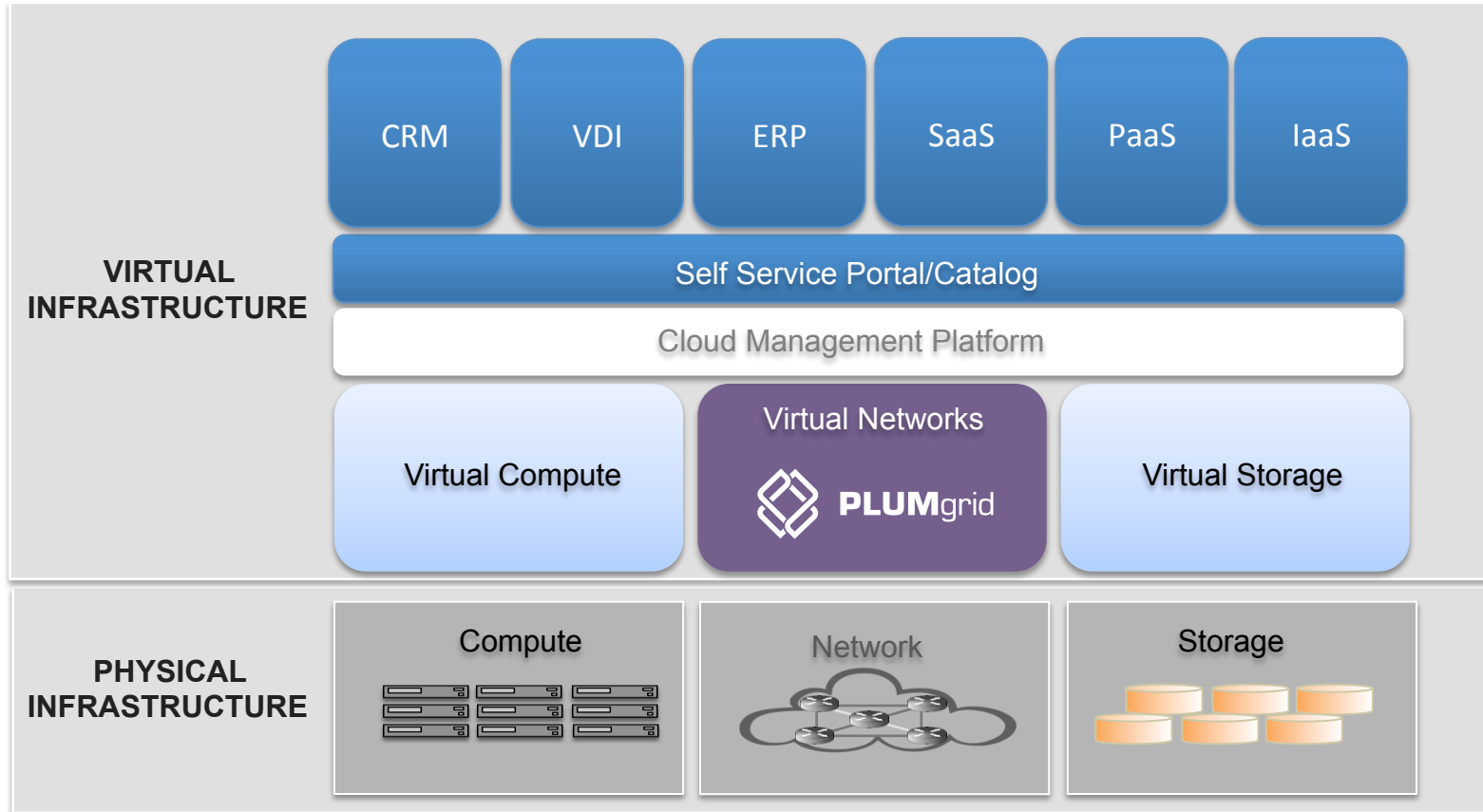


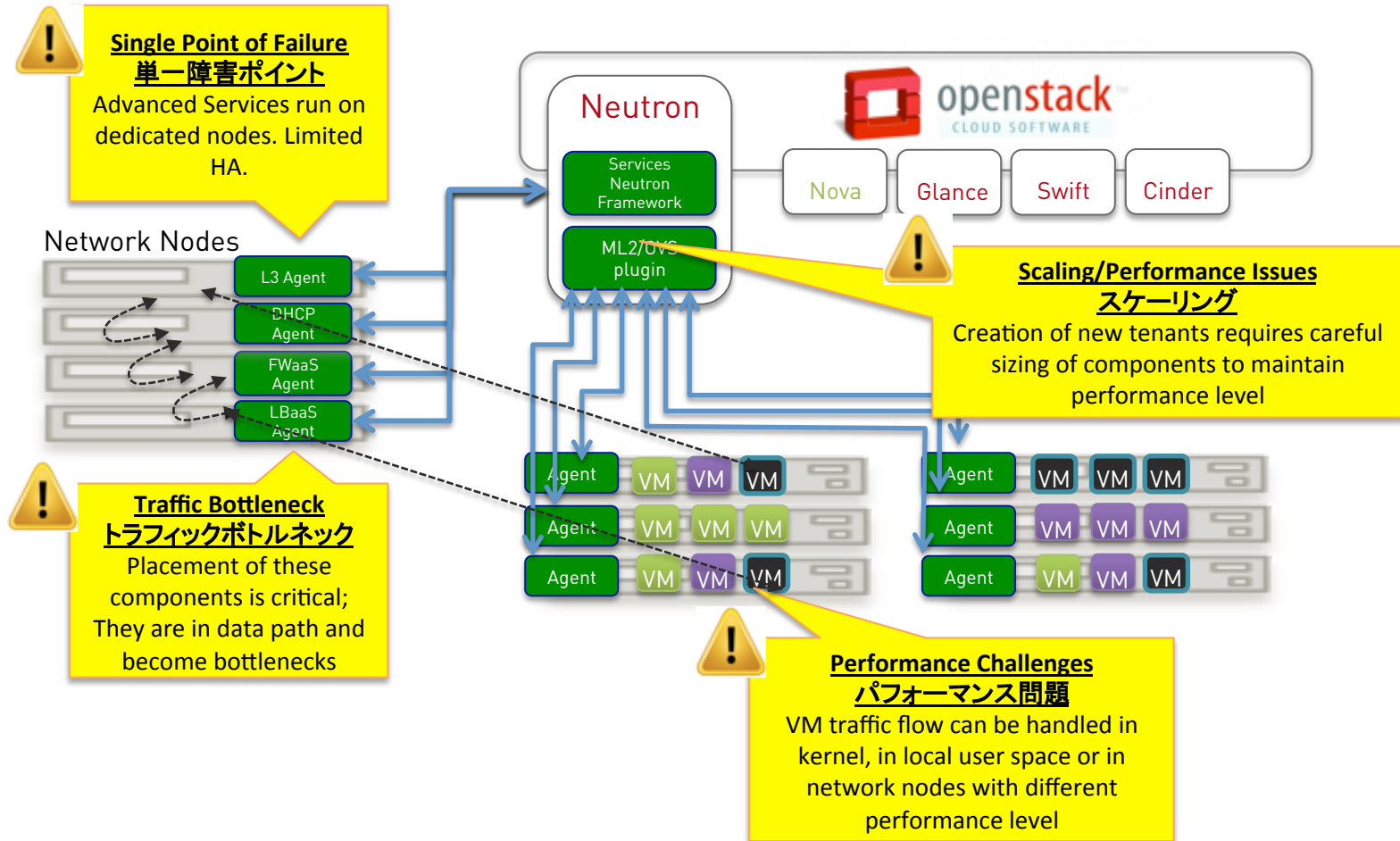
PLUMgrid for OpenStack

July 2016

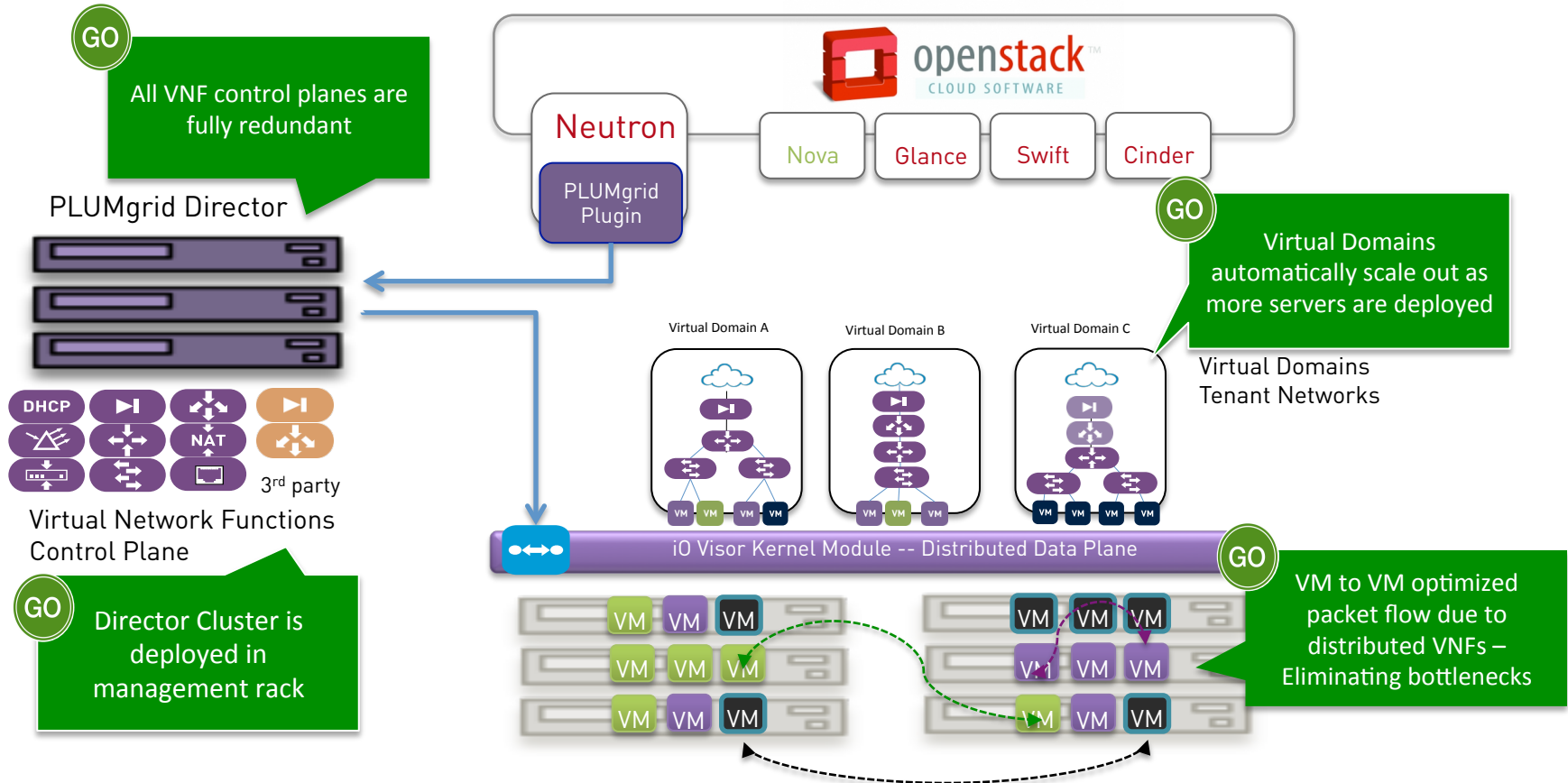
Last Mile to Agility: Virtual Infrastructure



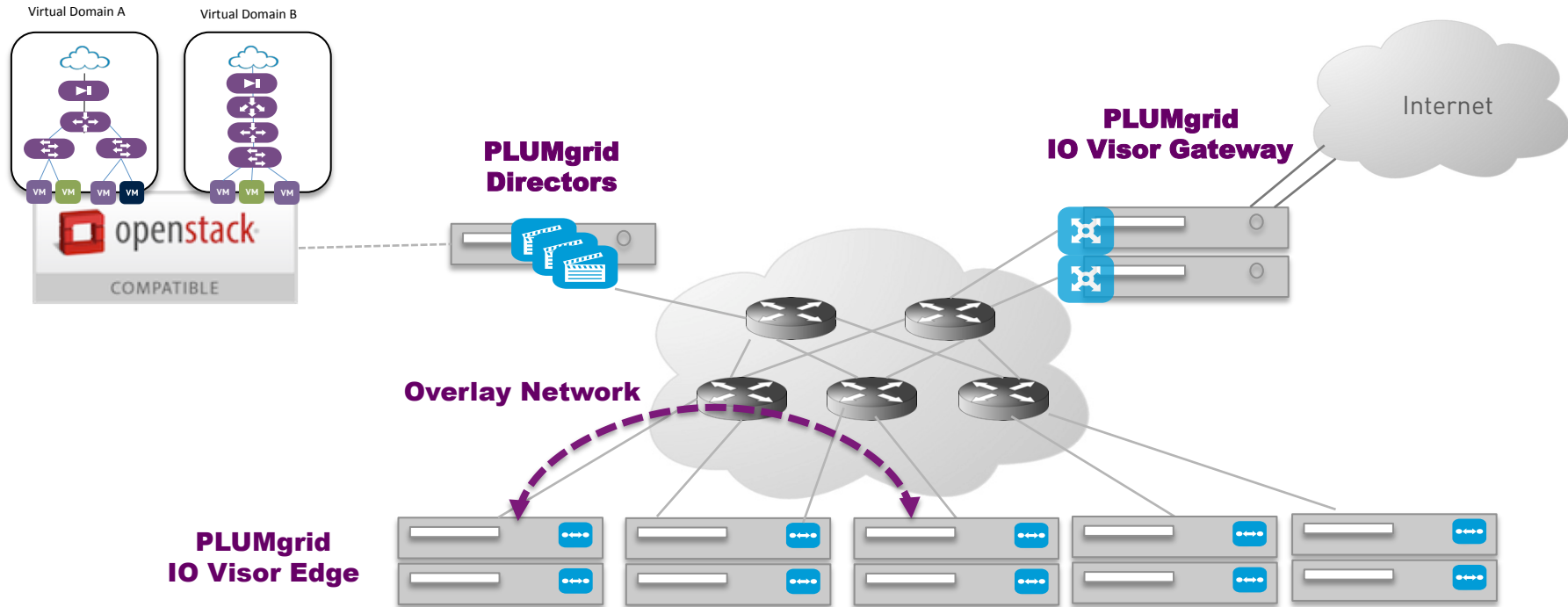
Architecture Challenges: Neutron & OVS



Architecture Solution: Neutron & PLUMgrid



PLUMgrid Open Networking Suite Components

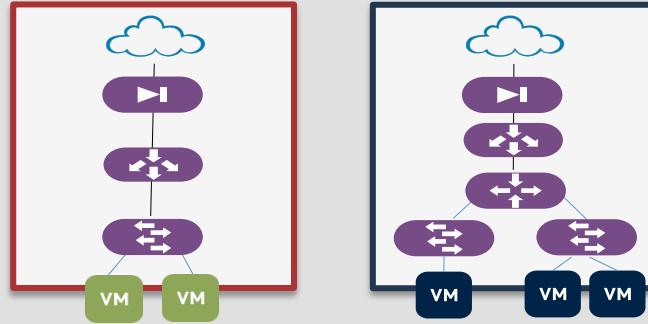


- ✓ No single point of failure
- ✓ Highly resilient & self-healing
- ✓ Terabits of distributed scale out performance

Physical & Virtual Network Infrastructure

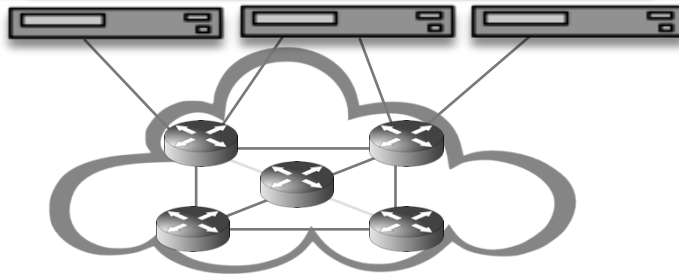
VIRTUAL
INFRASTRUCTURE
VIEW

TENANT
NETWORKS



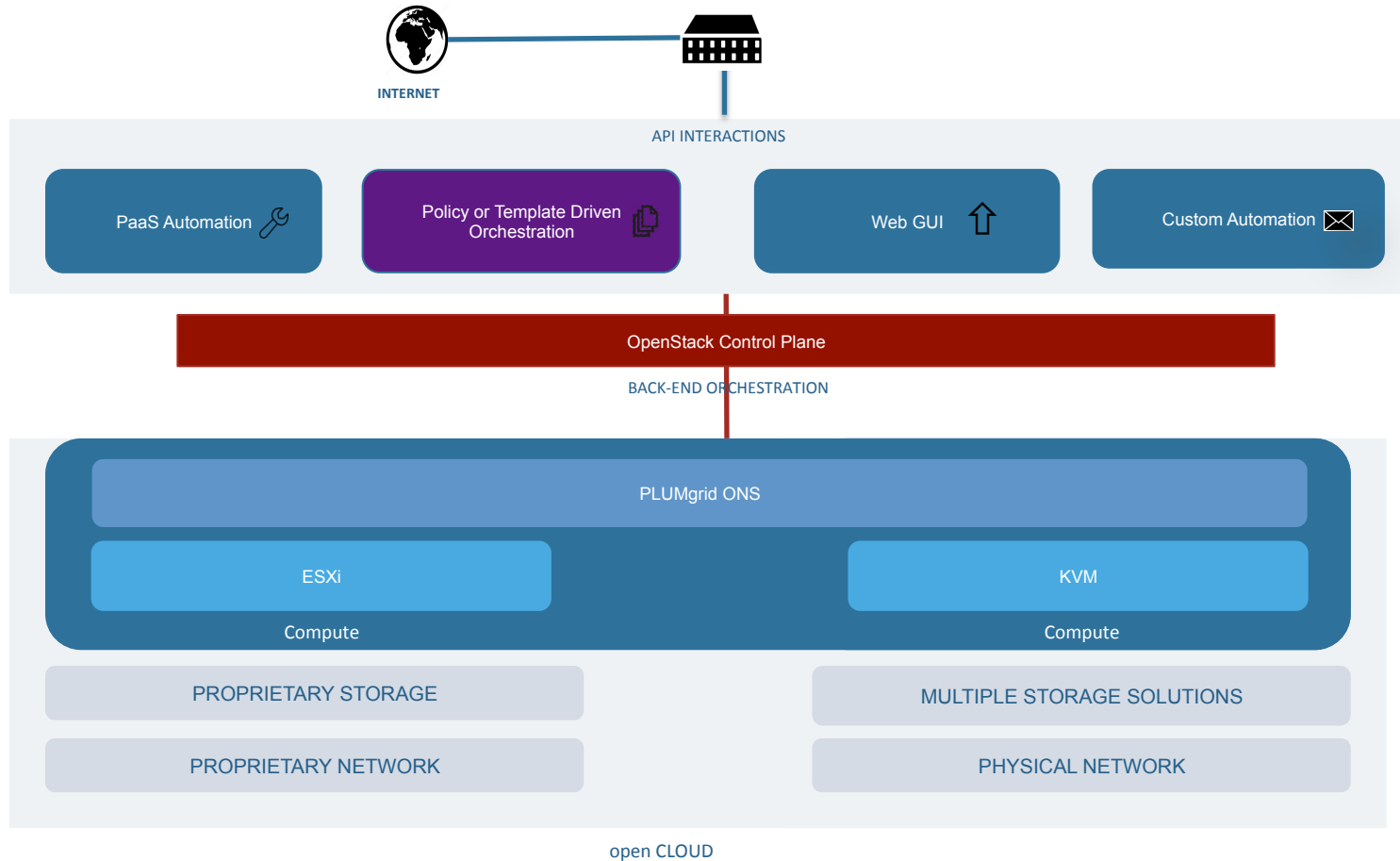
- On-Demand
- Multi Tenant
- Automated
- Self Service
- Secure
- Distributed

PHYSICAL
INFRASTRUCTURE
VIEW

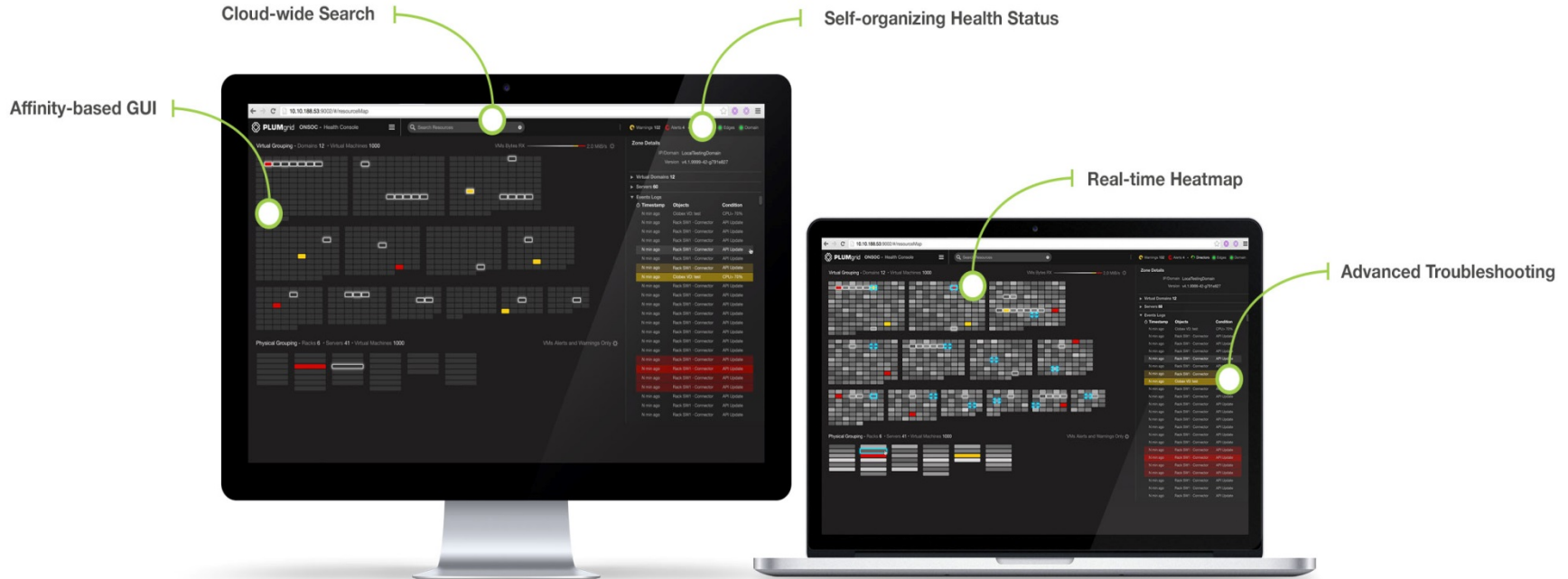


- QoS, Bandwidth
- Latency
- Multicast
- Capacity
- Connectivity

OpenStack Multi-hypervisor Single SDN

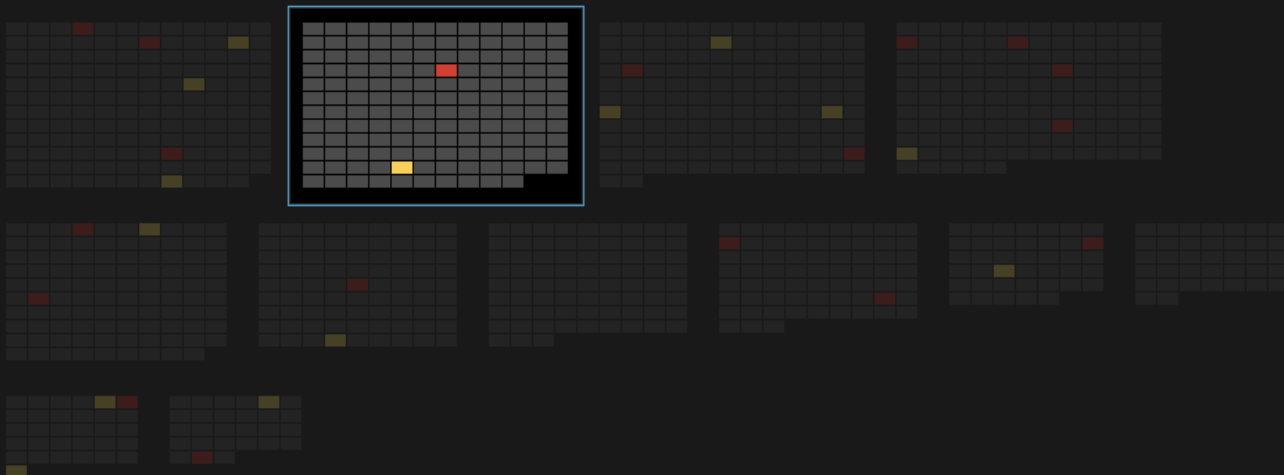


PLUMgrid CloudApex™ Highlights



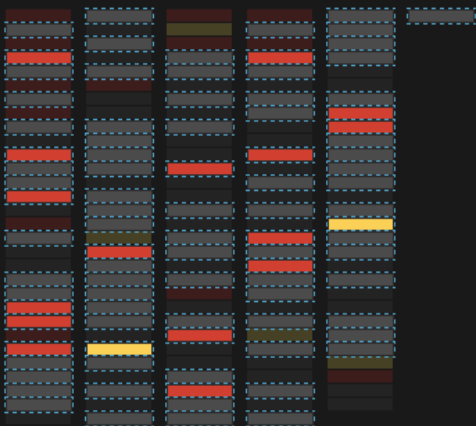
Virtual Domains 12 · Virtual Machines 1000

All Alerts and Warnings ⚙



Racks 6 · Servers 150 · Virtual Machines 1000

All Alerts and Warnings ⚙



Virtual Domain Details

UUID domain_dcd4140d0f5ea50

Topology topo2

State Ready

Rx 385739200 packets

62489750442 bytes

123074 pps

20212332 bps

Tx 236641271 packets

46854971785 bytes

84764 pps

17896669 bps

Drops 29 packets

▶ Virtual Machines 142

▶ Servers 91

▼ Event Logs

Q domain_dcd4140d0f5ea50

Filter ▼

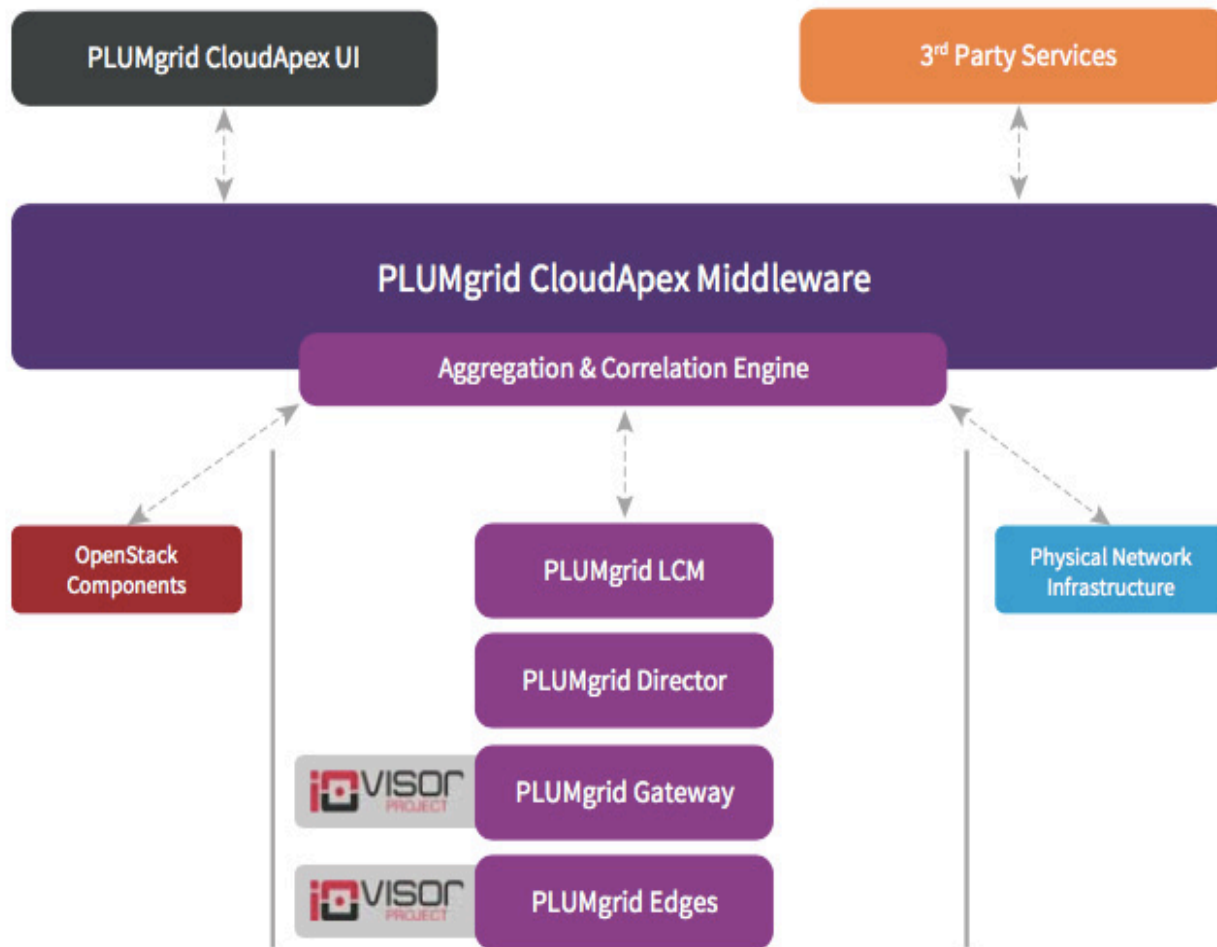
Pause

Timestamp

Object

Condition

Fully Distributed Architecture



THANK YOU!

Keep in Touch and Contact Us

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