

Csit VIRL Overview

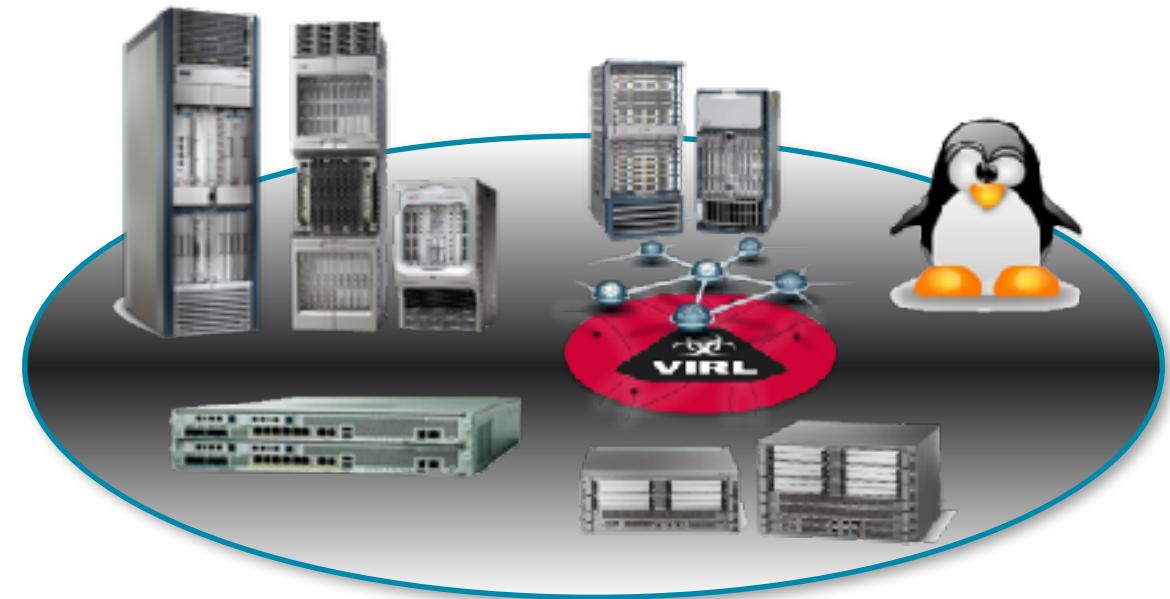


VIRL Architecture and Operations

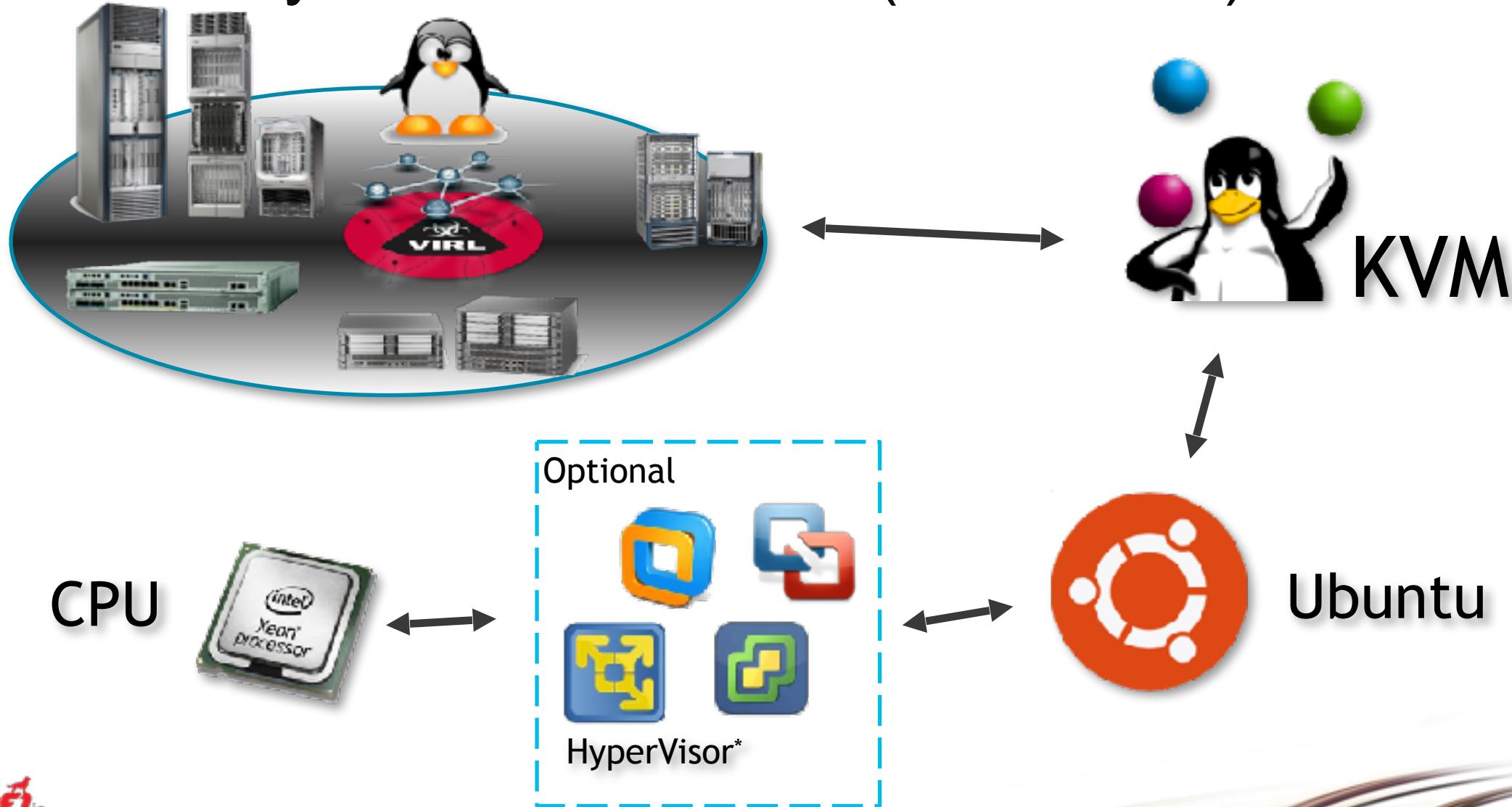
VIRL System Architecture

Virtualized network platforms

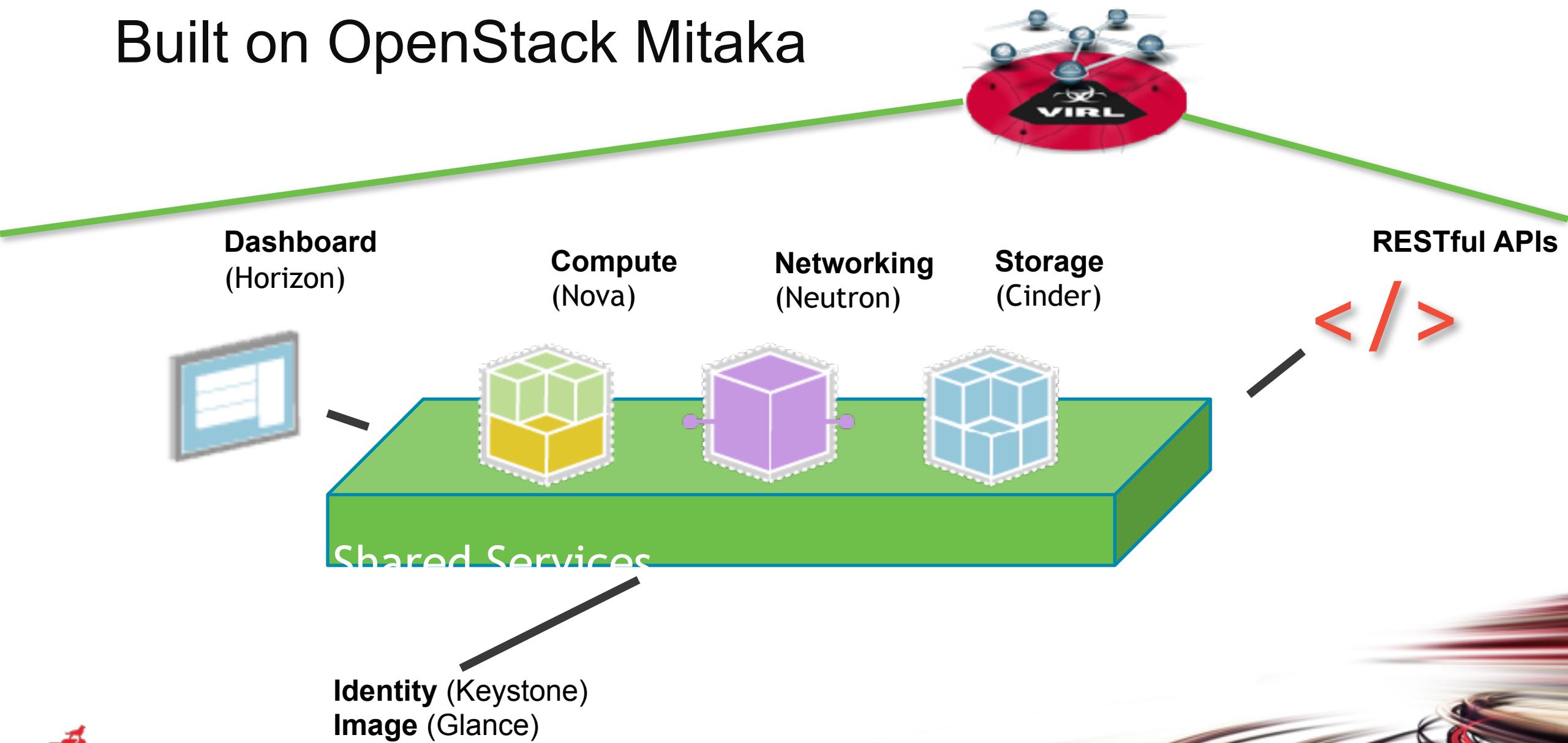
- Generators
- Servers
- LXCs
- Docker
- VNF



VIRL System Architecture (Virtualized)



Built on OpenStack Mitaka



VIRL Topologies

- Stored as XML
 - Human readable
 - Editable
 - Automatable
 - Shareable
 - <https://git.fd.io/csit/tree/topologies/available/yaml>
 - https://git.fd.io/csit/tree/resources/topology_schemas/3_node_topology.sch.yaml
 - https://git.fd.io/csit/tree/resources/topology_schemas/topology.sch.yaml



Csit VIRL Architecture and Operations

VIRL CSIT System Architecture

Three C-series UCS servers

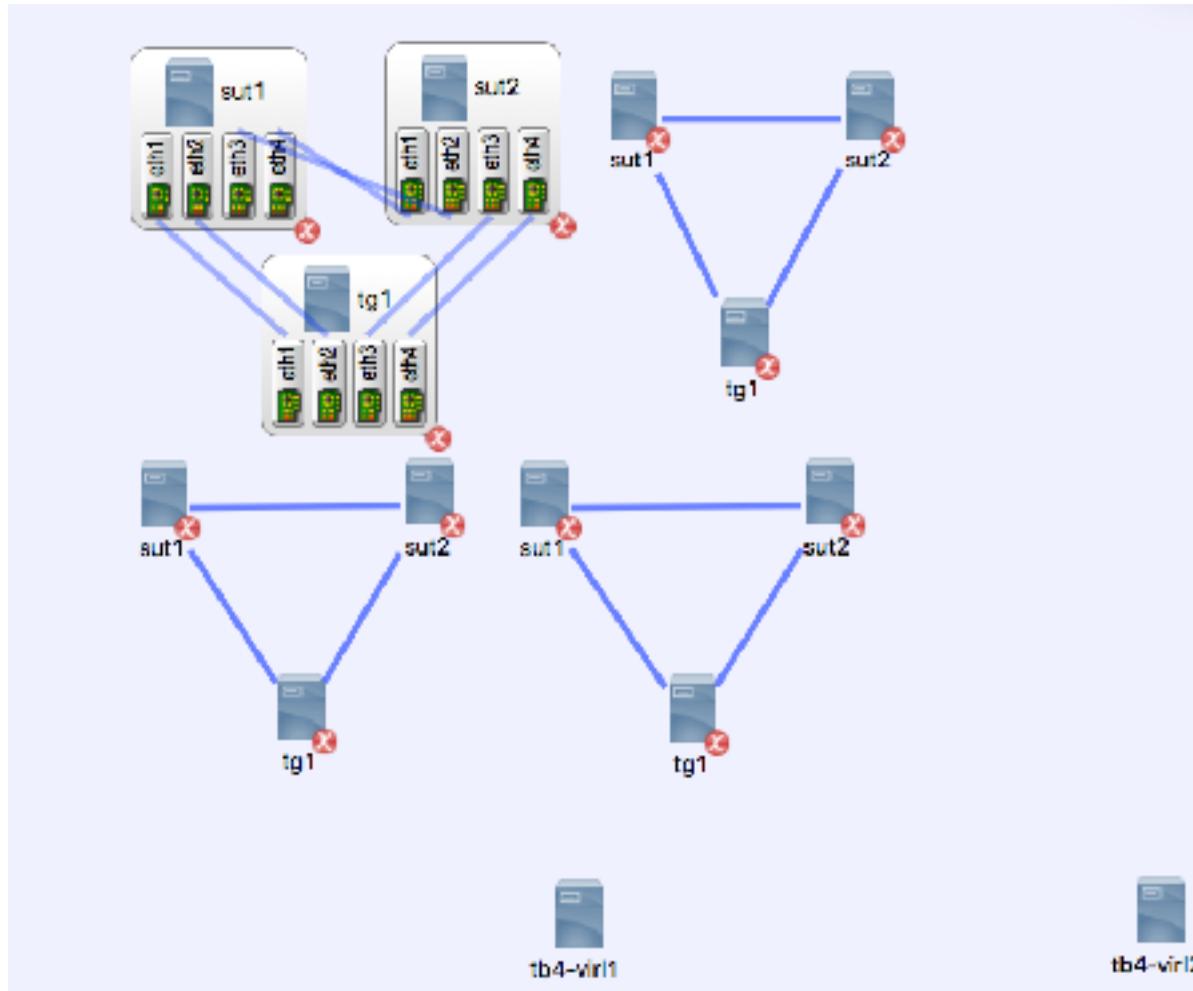
- Vexxhost montreal colocation
- Openstack Mitaka
- Custom built test server images
 - Ubuntu 16.04
 - Centos
- Servers behind LF VPN

VIRL CSIT Builds

Each patch verified

- pkgs built on jenkins slave
- scp transferred to virl server
- Simulation launched
- NFS mounted on simulated servers
- pkgs loaded and tested in topology
- pybot driven tests
- results reported back to gerrit/jenkins

VIRL CSIT 3 node test topology



- Test set split into thirds
- Three simulations per patch
- 13 simulations per server
- Each simulation @45 min to execute

Questions?

Thanks!

