



HIGH VM
DENSITY
PER U



DPDK ENABLED
VIA JUJU CHARM



▶ SYMKLOUD
OPENSTACK
INFRASTRUCTURE
PLATFORM

SMALLEST
OPENSTACK
FOOTPRINT



NFV - SDN READY
INFRASTRUCTURE



KEEPING 'OPEN SOURCE' OPEN

OPENSTACK INFRASTRUCTURE PLATFORM FOR RAPID
CARRIER CLOUD, NFVI, AND PRIVATE CLOUD DEPLOYMENTS

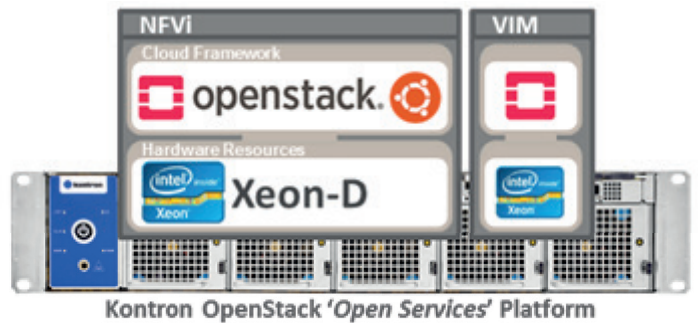
- ▶ HIGH DENSITY OPENSTACK PLATFORM SUPPORTED BY CANONICAL & KONTRON
- ▶ UPGRADABLE WITH EVERY OPENSTACK RELEASE, OR, SUPPORTED FOR MULTIPLE YEARS ON LTS RELEASES
- ▶ TURNKEY OPENSTACK DEPLOYMENT; OPERATIONAL IN HOURS, NOT DAYS
- ▶ TRANSPARENT & OPEN SOURCE APPROACH FOR SDN/NFV



POSSIBILITIES START HERE



SYMKLOUD OpenStack Platform is an open services platform to host NFV workloads (VNFs) without vendor lock-in. By leveraging an ecosystem of ISV partners to deliver the platform, Kontron provides their customers a truly open source solution to support numerous 3rd party VNFs in the industry. The high density of the SYMKLOUD MS2910 Converged Infrastructure Platform allows for an integrated, turnkey OpenStack solution that can scale across your data center and leverage existing infrastructure also compatible with OpenStack.



Scale up the resources you need, when you need it and avoid unnecessary CAPEX investments. Kontron OpenStack Platform based on Canonical Ubuntu OpenStack with an option for 6WIND Virtual Accelerator offers the highest network performance and the highest core density per rack mount unit on the market.

HARDWARE



- ▶ MS29xx Converged Infrastructure Platform
- ▶ Dual modular 1Gbe/10Gbe/20Gbe switches
- ▶ Nine (9) x MSP804x Modular Server Sleds; each features:
 - > Single Socket Intel® Xeon® D-1500 Series
 - > 4C (2.2 Ghz); 8C (2.0 Ghz); 12C (1.5 Ghz); 16C (1.3 Ghz)
 - > 4x DDR4 DIMMs; total 128GB using 32GB VLP RDIMMs
 - > Dual SATA HDD or SATA/U.2 SSD; up to 4TB of storage
- ▶ Traffic Shaping via 10G switches (240GbE total capacity)
- ▶ Improved performance with physical Data- and -Control Plane separation
- ▶ External storage (SAN) support via FCoE and iSCSI
- ▶ Web-based System Manager for health monitoring and 1-click updates
- ▶ Ideal for Bare Metal or VMs
- ▶ Support for hardware accelerated SDN (OpenFlow)

SOFTWARE



- ▶ Canonical OpenStack - Mitaka
- ▶ Canonical MAAS
 - > Zero-touch deployment of Windows, Ubuntu, CentOS, RHEL and SUSE
- ▶ Canonical Juju
 - > Model, configure and manage hundreds of pre-configured services.
- ▶ Ubuntu Server LTS 16.04
- ▶ Data Plane Development Kit (DPDK) - 6WIND Virtual Accelerator Juju Charm
- ▶ Support for KVM, VMware, Microsoft Hyper-V



SYMLAB

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