

# NSX OpenStack Plugin Release Notes

August 2018

Product release notes for the NSX OpenStack Plugin integration of NSX-T 2.3 and OpenStack.

## Release Compatibility

For compatibility and system requirements, see the [VMware NSX OpenStack Plugin Installation & Configuration Guide](#).

## Enhancements Introduced with NSX-T 2.3

- ⊘ Compatible with OpenStack Queens and OpenStack Pike
- ⊘ Compatible with VIO 4.1.1, VIO 5.0 and RHOSP 13 (other vendor OpenStack versions might be added subsequently)
- ⊘ Support for Neutron VPNaaS
  - Implement OpenStack Neutron VPNaaS (<https://docs.openstack.org/neutron-vpnaas/>) leveraging NSX-T DataCenter VPN capabilities
- ⊘ Support for Designate project (DNSaaS for OpenStack)
  - External DNS
  - Support limited to use cases with Floating IPs. Use case details: <https://docs.openstack.org/mitaka/networking-guide/config-dns-int.html>
- ⊘ Coexistence of NSX-T Data Center and NSX Data Center for vSphere
  - The plugin supports both endpoints under a single OpenStack
  - The granularity will be per OpenStack Project
- ⊘ Enhanced Datapath support
  - Overlay Support added in to VLAN support
  - No security groups and no port security
  - Requires ESXi 6.7

View Release Notes for previous versions:

- [NSX-T 2.2](#)
- [NSX-T 2.1](#)
- [NSX-T 2.0](#)
- [NSX-T 1.1](#)

## NSX-T 2.3 Limitations

- ⊘ A configured edge uplink profile “Transport VLAN” and deployed vlan network, when both have same VLAN ID set, can have disruptive side-effects, and should not be configured this way. Any configured VLAN ID overlapping between “Transport VLAN” and deployed vlan network would cause the seen issues with MDProxy and DHCP, not just 0. (2112920)
- ⊘ Cannot add more than one subnet to network. (1720786)
- ⊘ Cannot add two T1 routers to same logical switch. (1597168)

- ⊘ Can associate a maximum of nine Security Groups per port. This limitation is due to the maximum tags/port in a platform, which is 15, and only nine are available for SG. (1896587)
- ⊘ Metadata only supports ports 3000-9000.
- ⊘ QoS currently supports "Shaping" and "DSCP Marking" (not "CoS Marking" nor "Minimum BW") for ESXi and KVM.
- ⊘ QoS is enforced for traffic leaving the hypervisor (not intra-hypervisor).
- ⊘ NSX-T load balancing driver should be employed with neutron in active-standby mode to avoid unexpected conflicts upon concurrent operations on the same LB pool (2182793)