

# NSX OpenStack Plugin Release Notes

December 2017

Product release notes for the NSX OpenStack Plugin integration of NSX-T 2.1 and OpenStack.

## Release Compatibility

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

## Enhancements Introduced with NSX-T 2.1

- Load balancing as a service
  - Load balancers must be pinned to a router that is attached to an edge. In OpenStack, this must be a router with a configured external gateway.
  - Requires OpenStack Pike
  - ENS support (NSX-T 2.1 Tech Preview feature)
  - No native DHCP
  - No security groups and no port security
  - Unable to attach VLAN-backed network to a T1 router
  - Requires ESXi 6.7 beta
- NSX log now contains OpenStack Tenant who configured Neutron

View Release Notes for previous versions:

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

## NSX-T 2.1 Limitations

- 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)
- Cannot add two T1 routers to same logical switch (1597168).
- Metadata only supports ports 3000-9000.
- Allow VM multicast traffic only from OpenStack Newton.
- QoS is currently limited at "Shaping" (not "DSCP Marking" nor "CoS Marking") for ESXi only (no QoS Shaping support on KVM).
- QoS is enforced for traffic leaving the hypervisor (not intra-hypervisor).
- Subnet host routes have effect only on the new VMs in case of creation. This does not hold for updates. That has been addressed in Pike. (1939665)