NSX OpenStack Plugin Release Notes

February 22, 2017

Product release notes for the NSX Openstack Plugin integration of NSX-T 1.1 and OpenStack

Release Compatibility

- OpenStack Mitaka
- OpenStack Newton
- NSX-T 1.1.0
- Ubuntu 14.04 and 16.04

Enhancements Introduced with NSX-T 1.1

- Support for NSX native DHCP and Metadata Services. The Edge cluster provides high availability if more than one Edge node is configured in the cluster.
- Support for MAC learning.
- More comprehensive admin utility methods to address mismatches between the NSX and the Neutron database.

Known Issues

- VLAN backed overlay networks will not have native DHCP support
- Allow VM multicast traffic only from OpenStack Newton

NSX-T 1.1 Limitations

- Unable to attach VLAN/Flat network to a DHCP native service (1748372).
  Workaround: Use upstream DHCP and metadata if this use case is required
- No secure native metadata supported.
  Workaround: Use upstream DHCP and metadata if this use case is required.
- Unable to send traffic to FIP when the FIP is for a VM on the same subnet (1767976).
  Workaround: None
- Metadata only supports ports 3000-9000.
- Cannot add more than one subnet to network (1720786).
- Cannot add two T1 routers to same logical switch (1597168).
- Can associate a maximum of 10 Security Groups per port. This limitation is due to maximum tags/port in platform, which is 15, and only 10 are available for SG.

- Allow VM multicast traffic only from OpenStack Newton.
- DFW Logging only from OpenStack Newton.
- Provider Security Group only from OpenStack Newton.
- Disable Port Security only from OpenStack Newton.
- QoS is currently limited at "Shaping" (not "DSCP Marking" nor "CoS Marking").
- QoS is enforced for traffic leaving the hypervisor (not intra-hypervisor).