NeutronNorthbound: Nitrogen Release Plan

THIS IS A DRAFT VERSION OF THE NITROGEN RELEASE PLAN. THIS VERSION USES A SIMILAR TIMESCALE AND MILESTONE BREAKDOWN AS THE 4 VERSIONS OF ODL BEFORE IT.

HOWEVER, THIS RELEASE PLAN IS UNDER REVIEW BY THE TSC AND SHOULD NOT BE CONSIDERED FINAL, AND ACTIONABLE UNLESS /UNTIL APPROVED BY THE TSC AND THIS DRAFT HEADER MESSAGE IS REMOVED.

Release Deliverables

Name	Description
removal of tenant-id	remove tenant-id from neutron yang model. and coordination with dependent projects like netvirt
move status from configuration space to operation space	move status in neutron yang model from configuration space to operation space and coordination with dependent projects
misc yang model update	yang model update to catch up openstack neutron change.
update supported QoS rules	update yang model of QoS supported rules.
Tapaas	Tap-as-a-service API
port status update(stretched goal)	address scalability of port status update
openstack rpc from ODL(stretched goal)	implemented RPC from ODL(rpc client) to networking-odl(rpc server)

Release Milestones

- **Offset:** 1

Milestone	Offset 1 Date	Deliverables		
M1	06/14/2017	**Name**	**Description**	
		Release Plan	Candidate Release Plan	
M2	07/07/2017	**Name**	**Description**	
		Release Plan	Final Release Plan	
M3	07/07/017	**Name**	**Description**	
		Feature Freeze		
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.	
M4	07/07/2017	**Name**	**Description**	
		API Freeze		
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.	
M5	08/07/2017	**Name**	**Description**	
		Code Freeze		
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.	
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.	

RC0	08/14/2017	Name	Description
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.

RC1	08/21/2017	Name	Description
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.

RC2	08/28/2017	Name	Description
		Release Review	Release Review Description
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.

RC3	09/03/2017	Name	Description
		Release Review	Release Review Description
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.

Formal Release	09/07/2017	Name	Description
		Deliverable Name	Deliverable Description

Externally Consumable APIs

Short Name	Description	Type (at M2)	Type (at M3)	Type (release)	Contract	Supporting Code
	Northbound	Interface to OpenStack networking-odl			Openstack Networking Ref v2 Openstack Networking API v2.0 extensions	org. opendaylight. neutron. northbound-api
MD-SAL yang models:						
MD-SAL Networks Model	YANG model for Neutron Networks	Provisional	Provisional	Provisional	neutron-networks.yang	org. opendaylight. neutron.model
MD-SAL Subnet Model	YANG model for Neutron Subnets	Provisional	Provisional	Provisional	neutron-subnets.yang	org. opendaylight. neutron.model
MD-SAL Ports Model	YANG model for Neutron Ports	Provisional	Provisional	Provisional	neutron-ports.yang	org. opendaylight. neutron.model
MD-SAL L3 Model	YANG model for Neutron Routers and Floating IPs	Provisional	Provisional	Provisional	neutron-l3.yang	org. opendaylight. neutron.model
MD-SAL FWaaS Model	YANG model for Neutron Firewalls, Firewall Policies, Firewall Rules	Provisional	Provisional	Provisional	neutron-fwaas.yang	org. opendaylight. neutron.model
MD-SAL LBaaS Model	YANG model for Neutron Load Balancer, Load Balancer Health Monitor, Load Balancer Listener, Load Balancer Pool, and Load Balancer Pool Member	Provisional	Provisional	Provisional	neutron-lbaas.yang	org. opendaylight. neutron.model

MD-SAL Metering Model	YANG model for Neutron Metering Label and Metering Label Rule	Provisional	Provisional	Provisional	neutron-metering.yang	org. opendaylight. neutron.model
MD-SAL Security Group/Rule Model	YANG model for Neutron Security Group and Security Rule	Provisional	Provisional	Provisional	neutron-secgroups.yang	org. opendaylight. neutron.model
MD-SAL VPNaaS Model	YANG model for Neutron VPN IKE Policy, VPN IPSEC Policy, VPN IPSEC Site Connection, VPN Service	Provisional	Provisional	Provisional	neutron-vpnaas.yang	org. opendaylight. neutron.model
MD-SAL L2-gateway Model	YANG model for Neutron L2 Gateway, L2 Gateway Connection	Provisional	Provisional	Provisional	neutron-l2gateways.yang	org. opendaylight. neutron.model
MD-SAL BGPVPN Model	YANG model for Neutron BGPVPN	Provisional	Provisional	Provisional	neutron-bgpvpn.yang	org. opendaylight. neutron.model
Neutron HostConfig Model	YANG model for Neutron Hostconfig	Provisional	Provisional	Provisional	neutron-hostconfig.yang	org. opendaylight. neutron.model
Neutron QoS Model	YANG model for Neutron QoS API	Provisional	Provisional	Provisional	neutron-qos.yang	org. opendaylight. neutron.model
Neutron SFC Model	YANG model for Neutron SFC API (networking-sfc)	Provisional	Provisional	Provisional	neutron-sfc.yang	org. opendaylight. neutron.model
Neutron extension discovery Model	YANG model for Neutron extension discovery	Provisional	Provisional	Provisional	neutron-extension.yang	org. opendaylight. neutron.model
Neutron TRUNK API Model	YANG model for Neutron TRUNK API	provisional	provisional	Provisional	neutron-trunk.yang	org. opendaylight. neutron.model
Neutron TapaaS API model	YANG model for Neutron TapaaS API	N/A	N/A	Provisional (planned)	neutron-tapaas.yang (planned)	org. opendaylight. neutron.model
Neutron utils	helper functions for hostconfig	provisional	provisional	provisional		org. opendaylight. neutron.utils
Neutron hostconfig ovsdb	helper functions for hostconfig with ovs	provisional	provisional	provisional		org. opendaylight. neutron. hostconfig.ovs
Neutron hostconfig vpp	helper functions for hostconfig with vpp	provisional	provisional	provisional		org. opendaylight. neutron. hostconfig.vpp (planned)

Expected Dependencies on Other Projects

- Depends on all other projects in Nitrogen

Neutorn northbound project depends on the projects, odlparent, controller, md-sal, yangtools. But there is no new dependencies in Nitrogen.

Providing Project	Description
controller	basic controller features
mdsal	mdsal features
odlparent	odlparent values
yangtools	yangtools for compiling yang
ovsdb	ovsdb network topology
netconf	odl-netconf-clustered-topology

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

- None intrinsic to distribution, projects delivered may have their own.

Themes and Priorities

- yang incompatbile/compatible model update
- TapaaS
- openstack CI and neutron stadium
- port status update(stretched goal)
- openstack rpc(streched goal)

Requests from Other Projects

None

Test Tools Requirements

None

Other