

NeutronNorthbound: Oxygen Release Plan

Neutron Northbound project Oxygen planning

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

Release Milestones

- Offset: 1

Milestone	Offset 1 Date	Deliverables	
M0	09/17/2017	Name	Description
		Release Plan	Candidate Release Plan
M1	10/14/2017	Name	Description
		Release Plan	Final Release Plan
M2	11/14/2017	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.
M3	12/14/2017	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.
M4	01/14/2018	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	02/07/2018	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		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.		
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RC1	02/14/2018	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		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.		
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RC2	02/21/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Release Review</td><td>Release Review Description</td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		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.
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RC3	02/28/2018	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Release Review</td><td>Release Review Description</td></tr><tr><td>Candidate Stable Distribution</td><td>A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.</td></tr><tr><td>Extension Distribution</td><td>A running candidate of what is attempting to be the extension distribution.</td></tr></table>		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.
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Formal Release	03/07/2017	<table><tr><th>Name</th><th>Description</th></tr><tr><td>Deliverable Name</td><td>Deliverable Description</td></tr></table>		Name	Description	Deliverable Name	Deliverable Description				
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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	Provisio nal	Provisio nal	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	Provisio nal	Provisio nal	Provisional	neutron-vpnaas.yang	org.opendaylight. neutron.model
MD-SAL L2-gateway Model	YANG model for Neutron L2 Gateway, L2 Gateway Connection	Provisio nal	Provisio nal	Provisional	neutron-l2gateways.yang	org.opendaylight. neutron.model
MD-SAL BGPVPN Model	YANG model for Neutron BGPVPN	Provisio nal	Provisio nal	Provisional	neutron-bgpvpn.yang	org.opendaylight. neutron.model
Neutron HostConfig Model	YANG model for Neutron Hostconfig	Provisio nal	Provisio nal	Provisional	neutron-hostconfig.yang	org.opendaylight. neutron.model
Neutron QoS Model	YANG model for Neutron QoS API	Provisio nal	Provisio nal	Provisional	neutron-qos.yang	org.opendaylight. neutron.model
Neutron SFC Model	YANG model for Neutron SFC API (networking-sfc)	Provisio nal	Provisio nal	Provisional	neutron-sfc.yang	org.opendaylight. neutron.model
Neutron extension discovery Model	YANG model for Neutron extension discovery	Provisio nal	Provisio nal	Provisional	neutron-extension.yang	org.opendaylight. neutron.model
Neutron TRUNK API Model	YANG model for Neutron TRUNK API	provisio nal	provisio nal	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 hostconfig library						
Neutron utils	helper functions for hostconfig	provisio nal	provisio nal	provisional		org.opendaylight. neutron.utils
Neutron hostconfig ovsdb	helper functions for hostconfig with ovs	provisio nal	provisio nal	provisional		org.opendaylight. neutron. hostconfig.ovs
Neutron hostconfig vpp	helper functions for hostconfig with vpp	provisio nal	provisio nal	provisional		org.opendaylight. neutron. hostconfig.vpp (planned)

Expected Dependencies on Other Projects

- Depends on all other projects in Oxygen

Neutron 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

- finish left over from Nitrogen cycle
 - yang incompatible/compatible model update
 - TapaaS
- openstack CI and neutron stadium
- more on port status update if necessary(stretched goal)

Requests from Other Projects

None

Test Tools Requirements

None

Other