

NeutronNorthbound: Beryllium Release Plan

Release Deliverables

Name	Description
org.opendaylight.neutron.neutron-spi	Internal bundle implementing neutron data objects
org.opendaylight.neutron.transcriber	Internal bundle implementing copying data from northbound to subscribers
org.opendaylight.neutron.northbound-api	Bundle implementing Northbound API
org.opendaylight.neutron.model	Bundle holding the Neutron yang models

Release Milestones

- Offset: 1

Milestone	Offset X Date	Deliverables	
M1	7/30 /2015	Name	Status
		Intent to participate	Done
		Project Lead elected	Done
		Test Contact specified	Done
		Documentation Contact specified	Done
		Candidate Release Plan	Done
M2	8/27 /2015	Name	Status
		Completed Release Plan	Done
		Additional Resource Request	Done
		Project Checklist	Done
		System Test Waiver	Done
		Use OpenDaylight CI for system test	N/A
		Acknowledgement by upstream projects	N/A
M3	10/10 /2015	Name	Status
		Functionality Freeze	Done
		Karaf Features Defined	Done
		List of Planned Documentation	Incomplete (patch review under https://git.opendaylight.org/gerrit/#/c/32109/)
		Integration and Test	N/A
M4	11/12 /2015	Name	Status
		API Freeze	Done
		Documentation word count	Incomplete (patch review under https://git.opendaylight.org/gerrit/#/c/32109/)
		Maven Central Requirements	Done
		Integration Test	N/A

M5	12/17 /2015	Name		Status	Description
		Code Freeze		Done	
		Stability Branch			Stability branch, must be cut and local project versions bumped on master to avoid overwriting SNAPSHOTS
		String Freeze		Done	All externally visible strings frozen to allow for translation & documentation
		Documentati on Complete		Incomplete (patch review under https://git.opendaylight.org/gerrit/#/c/32109/)	Only editing and and enhancing should take place after this point.
		Feature Test Complete		Incomplete (northbound-api test coverage is 46.8%. 75%+ is required for stable API)	Stable features should fulfill quality requirements listed in definitions section
RC0	1/21 /2016				
RC1	1/28 /2016				
RC2	2/4/2016				
RC3	2/11 /2016	Name		Status	Description
		Bugfix & more			Bugfixing, samples
		Release Review			Release Review
		Blocking Bugs			
Formal Release	2/11 /2016				
SR1 Release	3/17 /2016	Name		Status	Description
		Release patch			Release patch to the stable branch and bump versions
SR2 Release	4/28 /2016	Name		Status	Description
		Release patch			Release patch to the stable branch and bump versions
SR3 Release	7/28 /2016	Name		Status	Description
		Release patch			Release patch to the stable branch and bump versions
SR4 Release	10/20 /2016	Name		Status	Description
		Release patch			Release patch to the stable branch and bump versions

Externally Consumable APIs

Short Name	Description	Type (at M2)	Type (at M3)	Type (release)	Contract	Supporting Code
Northbound	Interface to OpenStack networking-odl agent	Stable	Stable	Stable	Openstack Networking Ref v2 Openstack Networking API v2.0 extensions	org. opendaylight. neutron. northbound-api
INeutronFirewallAware Interface	Legacy SB interface for Firewall CRUD operations	Deprecat ed	Depreca ted	Deprecated	INeutronFirewallAware. java	org. opendaylight. neutron. neutron-spi

INeutronFirewallPolicyAware Interface	Legacy SB interface for Firewall Policy CRUD operations	Deprecated	Deprecated	Deprecated	INeutronFirewallPolicyAware.java	org. opendaylight. neutron. neutron-spi
INeutronFirewallRuleAware Interface	Legacy SB interface for Firewall Rule CRUD operations	Deprecated	Deprecated	Deprecated	INeutronFirewallRuleAware.java	org. opendaylight. neutron. neutron-spi
INeutronFloatingIPAware Interface	Legacy SB interface for Floating IP CRUD operations	Deprecated	Deprecated	Deprecated	INeutronFloatingIPAware.java	org. opendaylight. neutron. neutron-spi
INeutronLoadBalancerAware Interface	Legacy SB interface for Load Balancer CRUD operations	Deprecated	Deprecated	Deprecated	INeutronLoadBalancerAware.java	org. opendaylight. neutron. neutron-spi
INeutronLoadBalancerHealthMonitorAware Interface	Legacy SB interface for Load Balancer Health Monitor CRUD operations	Deprecated	Deprecated	Deprecated	INeutronLoadBalancerHealthMonitorAware.java	org. opendaylight. neutron. neutron-spi
INeutronLoadBalancerListenerAware Interface	Legacy SB interface for Load Balancer Listener CRUD operations	Deprecated	Deprecated	Deprecated	INeutronLoadBalancerListenerAware.java	org. opendaylight. neutron. neutron-spi
INeutronLoadBalancerPoolAware Interface	Legacy SB interface for Load Balancer Pool CRUD operations	Deprecated	Deprecated	Deprecated	INeutronLoadBalancerPoolAware.java	org. opendaylight. neutron. neutron-spi
INeutronLoadBalancerPoolMemberAware Interface	Legacy SB interface for Load Balancer Pool Member CRUD operations	Deprecated	Deprecated	Deprecated	INeutronLoadBalancerPoolMemberAware.java	org. opendaylight. neutron. neutron-spi
INeutronMeteringLabelAware Interface	Legacy SB interface for Metering Label CRUD operations	Deprecated	Deprecated	Deprecated	INeutronMeteringLabelAware.java	org. opendaylight. neutron. neutron-spi
INeutronMeteringLabelRuleAware Interface	Legacy SB interface for Metering Label Rule CRUD operations	Deprecated	Deprecated	Deprecated	INeutronMeteringLabelRuleAware.java	org. opendaylight. neutron. neutron-spi
INeutronNetworkAware Interface	Legacy SB interface for Network CRUD operations	Deprecated	Deprecated	Deprecated	INeutronNetworkAware.java	org. opendaylight. neutron. neutron-spi
INeutronPortAware Interface	Legacy SB interface for Port CRUD operations	Deprecated	Deprecated	Deprecated	INeutronPortAware.java	org. opendaylight. neutron. neutron-spi
INeutronRouterAware Interface	Legacy SB interface for Router CRUD operations	Deprecated	Deprecated	Deprecated	INeutronRouterAware.java	org. opendaylight. neutron. neutron-spi
INeutronSecurityGroupAware Interface	Legacy SB interface for Security Group CRUD operations	Deprecated	Deprecated	Deprecated	INeutronSecurityGroupAware.java	org. opendaylight. neutron. neutron-spi
INeutronSecurityRuleAware Interface	Legacy SB interface for Security Rule CRUD operations	Deprecated	Deprecated	Deprecated	INeutronSecurityRuleAware.java	org. opendaylight. neutron. neutron-spi
INeutronSubnetAware Interface	Legacy SB interface for Subnet CRUD operations	Deprecated	Deprecated	Deprecated	INeutronSubnetAware.java	org. opendaylight. neutron. neutron-spi
INeutronVPNIKEPolicyAware Interface	Legacy SB interface for VPN IKE Policy CRUD operations	Deprecated	Deprecated	Deprecated	INeutronVPNIKEPolicyAware.java	org. opendaylight. neutron. neutron-spi
INeutronVPNIPSECPolicyAware Interface	Legacy SB interface for VPN IPSEC Policy CRUD operations	Deprecated	Deprecated	Deprecated	INeutronVPNIPSECPolicyAware.java	org. opendaylight. neutron. neutron-spi

INeutronVPNIPSEC SiteConnectionAware Interface	Legacy SB interface for VPN IPSEC Site Connection CRUD operations	Deprecat ed	Depreca ted	Deprecated	INeutronVPNIPSEC SiteConnectionAware.java	org. opendaylight. neutron. neutron-spi
INeutronVPNService Aware Interface	Legacy SB interface for VPN Service CRUD operations	Deprecat ed	Depreca ted	Deprecated	INeutronVPNServiceAw are.java	org. opendaylight. neutron. neutron-spi
MD-SAL Networks Model	YANG model for Neutron Networks	Provisio nal	Provisio nal	Provisional	neutron-networks.yang	org. opendaylight. neutron.model
MD-SAL Subnet Model	YANG model for Neutron Subnets	Provisio nal	Provisio nal	Provisional	neutron-subnets.yang	org. opendaylight. neutron.model
MD-SAL Ports Model	YANG model for Neutron Ports	Provisio nal	Provisio nal	Provisional	neutron-ports.yang	org. opendaylight. neutron.model
MD-SAL L3 Model	YANG model for Neutron Routers and Floating IPs	Provisio nal	Provisio nal	Provisional	neutron-l3.yang	org. opendaylight. neutron.model
MD-SAL FWaaS Model	YANG model for Neutron Firewalls, Firewall Policies, Firewall Rules	Provisio nal	Provisio nal	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	Provisio nal	Provisio nal	Provisional	neutron-lbaas.yang	org. opendaylight. neutron.model
MD-SAL Metering Model	YANG model for Neutron Metering Label and Metering Label Rule	Provisio nal	Provisio nal	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

TO DO: add new models/interfaces after 7/24 meeting Done for M5

Expected Dependencies on Other Projects

Providing Project	Deliverable Name	Needed By	Acknowledged?	Description
org.opendaylight.odlparent.odlparent	odlparent	M1	No (as link to Other Project Release Plan)	Legacy dependency
org.opendaylight.yangtools.yang-binding,	yangtools	M1	No (as link to Other Project Release Plan)	Legacy dependency
org.opendaylight.yangtools.yang-common	yangtools	M1	No (as link to Other Project Release Plan)	Legacy dependency
org.opendaylight.yangtools.model.ietf-inet-types	yangtools	M1	No (as link to Other Project Release Plan)	Legacy dependency
org.opendaylight.yangtools.model.ietf-yang-types	yangtools	M1	No (as link to Other Project Release Plan)	Legacy dependency
org.opendaylight.yangtools.model.yang-ext	yangtools	M1	No (as link to Other Project Release Plan)	Legacy dependency
odl-mdsal-broker	mdsal	M1	No (as link to Other Project Release Plan)	Legacy dependency in transcriber

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

Removed APIs and/or Functionality

None

Deprecated APIs and/or Functionality

1. Legacy I*Aware interfaces
 - Downstream projects using these interfaces should use the appropriate MD-SAL model listed above.
2. deprecated CRUD Interfaces (Downstream projects should replicate the functionality locally)
 - subnetInUse from INeutronSubnetCRUD
 - macInUse and getGatewayPort from INeutronPortCRUD
 - more to add as we go
3. deprecated POJO methods (Downstream projects should be using MD-SAL generated objects)
 - getPortsInSubnet from NeutronSubnet
 - more to add as we go

Changed APIs and/or Functionality

- Yang Models - As part of the transition from I*Aware to MD-SAL the yang models are being corrected
 - No action should be necessary.

Themes and Priorities

- Finish adding test cases and cleaning up integration with OpenStack
- Add support for following neutron extensions:
 - networking-l2gw
 - networking-bgpvpn
- Improve clustering and HA support

Requests from Other Projects

Acknowledging downstream dependencies from

- VTN,
- OVSDb,
- LispFlowMapping,
- BGPVPN [no JJB link], and
- GBP [no JJB link].

Except where noted above, links to integration jobs for these projects can be found in the [NN Be merge job](#). Folks performing merges need to check that these integration jobs don't suddenly break.

Test Tools Requirements

- NN will be requesting a System Test exemption
- NN system test cases are already included in the integration/test project tests that run as part of all jenkins jobs.

Top-level or User-facing Karaf Features

- odl-neutron-service (Top Level, User Facing)
 - This feature provides the complete neutron northbound service
- odl-neutron-dummyprovider-test (Top Level)
 - This feature is to be used in cases where Neutron Northbound's dummyprovider is needed for testing or I*Aware support

Planned Documentation

- User/Operator Guide for odl-neutron-service feature
- Developer Guides for odl-neutron-service and odl-neutron-dummyprovider-test features