NeutronNorthbound: Beryllium Release Notes

Major Features
Ideally less than 10 bullets.

- MD-SAL support
- L2GW support
- BGPVPN support
- test coverage improvement

Target Environment

For Execution

- No special requirement but normal opendaylight java environment

For Development

- No special requirement but normal opendaylight java environment

Known Issues and Limitations

- Particular known bugs and workarounds.
  - [https://wiki.opendaylight.org/view/Weather#Neutron_Northbound_must_be_loaded_before_any_other_JAXB_feature](https://wiki.opendaylight.org/view/Weather#Neutron_Northbound_must_be_loaded_before_any_other_JAXB_feature) Neutron Northbound must be loaded before any other JAXB feature
  - workaround: load odl-neutron-service before any other jaxb feature, typically in karaf case, featuresBoot in etc/org.apache.karaf.features.cfg will be edited so that featureBoot includes odl-neutron-service in early place
  - [https://bugs.opendaylight.org/show_bug.cgi?id=3423](https://bugs.opendaylight.org/show_bug.cgi?id=3423) Data missing from Neutron NB datastore
  - [https://bugs.opendaylight.org/show_bug.cgi?id=4550](https://bugs.opendaylight.org/show_bug.cgi?id=4550) SecurityGroupCRUD is not updated when a security rule is created/delted

For those bugs, typically from openstack view, it appears like the specific security rules don't work.

- and more [https://bugs.opendaylight.org/buglist.cgi?bug_status=__open__&list_id=48155&order=Importance&product=neutron&query_format=specific](https://bugs.opendaylight.org/buglist.cgi?bug_status=__open__&list_id=48155&order=Importance&product=neutron&query_format=specific)
- [https://bugs.launchpad.net/networking-odl](https://bugs.launchpad.net/networking-odl)

Changes Since Previous Releases

Bugs Fixed in this Release

Migration from Previous Releases

- Dependent project may see build breakage as yang model change/fix. Which should have already been addressed.

Compatibility with Previous Releases

- Yang Models: some yang models were changed as bug fix. Which doesn't match openstack neutron data model.

Deprecated, End of Lifed, and/or Retired Features/APIs

The followings are deprecated APIs. No end of lifed, removed or retired api/features.

Deprecated Features/API

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

End of Lifed and/or Retired Features/APIs

None