OVSDDB: Boron Release Notes

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Major Features

Boron release is the fifth release of the OVSDDB project. The main focus for this release was to provide the features and improvement that is expected from any production level device plugin. Following are the few main features that OVSDDB project delivered in its Boron release

Release Deliverables

- Performance and scalability improvements
- Migrated from Config Subsystem to Blueprints. It will help with the upgrade of the plugin from Beryllium to Boron.
- Reconciliation of user stored configuration on switch disconnection or controller reboot.
- Improvement in device connection management
- Docker-based integration system environment
- Support for auto attach table and index (Interface table)
- Support for Interface Bidirectional Forwarding Detection (BFD).
- Improvement in OVSDDB Qos and Queue support
- Code quality, stability and usability
- Logging improvements

Target Environment

For Execution

Same as the usual JRE requirements for OpenDaylight (JDK 1.8)

For Development

Same as the usual JDK and Maven requirements for OpenDaylight (JDK 1.8, Maven 3.3.9)

Known Issues and Limitations

- Hardware Vtep currently doesn’t support full reconciliation. It only supports connection reconciliation only.
- Support for auto attaches table is currently experimental.

Changes Since Previous Releases

There is no change in the existing API’s from Beryllium release. There are additional APIs added to support new features Auto-Attach: https://git.opendaylight.org/gerrit/#/c/33860/13/southbound/southbound-api/src/main/yang/ovsdb.yang  
Interface BFD: https://git.opendaylight.org/gerrit/#/c/36062/2/southbound/southbound-api/src/main/yang/ovsdb.yang  
Qos Improvements: https://git.opendaylight.org/gerrit/#/c/36772/11/southbound/southbound-api/src/main/yang/ovsdb.yang

Bugs Fixed in this Release
Migration from Previous Releases

OpenStack Network Virtualization (widely known as 'NetVirt') was part of the OVSDB project prior to the Boron release. Given it's wider scope, this functionality was moved to its own new project (named 'netvirt'). For more details about this migration, please refer to the netvirt projects page.

Compatibility with Previous Releases

Yes, compatible with previous releases.

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

- Old OVSDB QoS and Queue models were deprecated in the Boron release and new models were introduced. This yang file contains details of the deprecated model (look for 'status deprecated') and newly introduced models as well.