OVSDB : Helium Release Notes

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Major Features

Name	Description
Reference OVSDB Java Library: Redesigned OVSDB Library	The library can be used separately by any Java OVSDB implementation to help serve as a reference implementation.
Schema independent OVSDB Plugin	OVSDB plugin can be used for any OVSDB schema (not attached to open_vSwitch schema alone
OVSDB Net-Virt infra : NXM extensions:	Upstream extensions Openflowlibrary project in order to leverage necessary extension to develop OpenStack services in the OVSDB Neutron integration.
Distributed Virtual Router	Distributed Virtual Layer3 forwarding
Integrate OpenStack Security Groups and Rules	First of many OpenStack Neutron service integration. This will consolidate Port security functionality into the OVS network forwarding pipeline rather than the IP Tables Linux daemon.
Integrate OpenStack Neutron LBaaS	Integrate LoadBalancer As a Service
ARP Responding/Handling	L3 East/West forwarding distributed to the hypervisor
VLAN Support	To facilitate traditional non-overlay fabric integration.

Target Environment

- Any OS with a recent Java 7 JRE (JDK for development) should work

Known Issues and Limitations

- FWaaS is not integrated in Helium release
- Most of the Openstack features are tech-preview as we couldn't align ourselves with the Openstack Juno release.

Timeline Features Completed in this Release

All delivered at the end of the release cycle.

Bugs Fixed in this Release

None.

Migration from Previous Releases

N/A

Compatibility with Previous Releases

N/A

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

- Openflow1.0 based legacy OpenFlow plugin