OVSDB : Helium Release Notes

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Major Features

<table>
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<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>Reference OVSDB Java Library: Redesigned OVSDB Library</td>
<td>The library can be used separately by any Java OVSDB implementation to help serve as a reference implementation.</td>
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<tr>
<td>Schema independent OVSDB Plugin</td>
<td>OVSDB plugin can be used for any OVSDB schema (not attached to open_vSwitch schema alone)</td>
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<tr>
<td>OVSDB Net-Virt infra : NXM extensions:</td>
<td>Upstream extensions Openflowlibrary project in order to leverage necessary extension to develop OpenStack services in the OVSDB Neutron integration.</td>
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<tr>
<td>Distributed Virtual Router</td>
<td>Distributed Virtual Layer3 forwarding</td>
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<tr>
<td>Integrate OpenStack Security Groups and Rules</td>
<td>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.</td>
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<tr>
<td>Integrate OpenStack Neutron LBaaS</td>
<td>Integrate LoadBalancer As a Service</td>
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<tr>
<td>ARP Responding/Handling</td>
<td>L3 East/West forwarding distributed to the hypervisor</td>
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<tr>
<td>VLAN Support</td>
<td>To facilitate traditional non-overlay fabric integration.</td>
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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