



HPE Helion OpenStack - HPE Helion OpenStack 5.0.4 Release Notes

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Environment

- HPE Helion OpenStack 5.0.4
-

Issue

consumers of HPE Helion OpenStack are looking for the release notes

Cause

New release of HPE Helion OpenStack 5.0.4

Resolution

HPE Helion OpenStack® 5.0.4: Release Notes

An overview of the features contained within 5.0.4, including known issues and workarounds for this release.

HPE Linux Changes HPE Helion OpenStack 5.0.4 includes a new version of the hLinux operating system which has fixes for hardening CVEs known to us and deemed to be issues not mitigated by architecture at the time of ISO creation.

- Percona update (which updates components MySQL)
- Broadcom network driver update (bnx2x)
- High profile Security issues
 - o Spectre 1 & 2 security issue
 - o Lazy FP state restore (CVE-2018-3665)

For more information on security vulnerabilities, please see the National Vulnerability Database: <https://nvd.nist.gov/>

Known Issues in this Release:

pgrade from HPE Helion OpenStack 4.0.7 to HPE Helion OpenStack 5.0.4 fails with duplicate column ID

Warning: Making manual changes to the MySQL database is not recommended and can result in additional failures. The steps include are provided for experienced users only.

When running site.yml during the upgrade from HPE Helion OpenStack 4.0.7 to HPE Helion OpenStack 5.0.4, with an instance of an C an error may occur in the MySQL database with a duplicate amphora_id column.

To fix the issue, follow the included steps:

1. Obtain the MySQL neutron database credentials from /opt/stack/service/neutron/etc/neutron.conf, the user will be in the database se

```
[database]
connection = mysql://neutron:jMWRWZtyi@hlm003-cpl-vip-FND-MDB-mgmt/ovs_neutron
```

2. Obtain the listener_id from the listener_statistics table in the MySQL database.

```
mysql> select * from listener_statistics;
+-----+-----+-----+-----+-----+-----+-----+
| listener_id | bytes_in | bytes_out | active_connections | total_connections | amphora_id |
+-----+-----+-----+-----+-----+-----+-----+
-----+
| 3b0c8922-2377-4d42-ac96-c0fe4676f376 | 12108 | 22164 | 0 | 108 | | | 3b0c8922-2377-4d42-ac96-c0
12108 | 22164 | 0 | 108 | 88edd835-8d02-41da-9bd8-c2a0445d9be3 |
+-----+-----+-----+-----+-----+-----+-----+
```

3. Delete the listener_id from the listener_statistics table.

```
sudo mysql -e 'delete from listener_statistics where listener_id=3b0c8922-2377-4d42-ac96-c0fe4676'
```

4. Drop the amphora_id column.

```
sudo mysql -e 'alter table listener_statistics drop column amphora_id;' octavia
```

5. Run the Octavia playbook to redeploy the load balancer.

```
ansible-playbook -i hosts/verb_hosts octavia-deploy.yml
```

6. Finish upgrade by running the site.yml playbook. [database] connection

```
ansible-playbook -i hosts/verb_hosts site.yml
```