Environment
Server Platform : All
HPE OmniStack Version: 3.7.7 (PSI-15)
Hypervisor : VMware
Disclosure Level : Public

Issue
HPE Omnistack version 3.7.7 (PSI-15) now supports ESXi/vCenter version 6.7U1 on HPE only platforms

Prerequisites:
- Host must be on HPE platform.
- The ESXi host must already run ESXi version 6.5 Update 2b, or ESXi 6.5 Update 2c

Upgrading your ESXi hosts to 6.7U1 however, requires manual intervention on each host before upgrading.

Cause
This is due to a compatibility issue with the Emulex Driver contained in the 6.7U1 image.

Resolution
Successful upgrade involves the removal of the elx-esx-libelxima.so vib on the 6.5 ESXi host.

The steps to remove the vib, and perform the upgrade are as follows:

1. Migrate or power down any VM's currently running on the ESXi 6.5 host
2. Once all VM's have been migrated or powered down, place the host into maintenance mode
3. SSH to the 6.5 ESXi host, and remove the "elx-esx-libelxima.so" vib as follows:
   esxcli software vib remove elx-esx-libelxima.so
4. Reboot the host to fully remove the vib.
5. Find the profile name in the offline bundle.
For example, if the offline bundle is placed in the `/scratch/downloads` directory, the steps would be as follows:

```bash
esxcli software sources profile list -d /scratch/downloads/hpe-esxi6.7u1-10302608-670.U1.10.3.5.12-offline-bundle.zip
```

6. Run the update using the profile name

```bash
esxcli software profile update -p HPE-ESXi-6.7.0-Update1-Gen9plus-670.U1.10.3.5.12-customized -d /scratch/downloads/hpe-esxi6.7u1-10302608-670.U1.10.3.5.12-offline-bundle.zip
```

7. Perform the same steps for any additional ESXi hosts needing upgrade.

**NOTE:** Failure to remove the vib on the ESXi 6.5 host before performing the upgrade will result in a failed upgrade via Upgrade Manager (UM), and when performed manually without vib removal, the following error message may be seen:

```
Cannot merge VIBs ELX_bootbank_elx-esx-libelxima.so_12.0.1108.0-03, ELX_bootbank_elx-esx-libelxima.so_12.0.1108.0-03 with unequal payloads attributes ([elx-esx-libelxi:1493.883 KB], [elx-esx-libelxi:1602.936KB])
```

Please refer to logs for more details.

In either failed scenario, please proceed to carry out the correct 6.5 ESXi host vib removal steps as described above.

**NOTE:** In clusters where prolonged periods of downtime are acceptable, it may be possible to remove the vib on all hosts in that cluster firstly using the above procedure, and proceed to upgrade as normal via Upgrade Manager (UM)

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