

UniVirStor Manager v2.16.19-4 Release Notes

v2.16.19-04 is our fourth release for Ceph Pacific. The new shipments of Mars 400 will use this version as their default release.

In the previous update to the previous v2.16.19-03, we upgrade the ETCD to v3.4.16 for vulnerabilities. The new version of ETCD may consume a lot of memory and cause a monitor node to be out of memory. The ETCD related update software running on all nodes may also overload the other nodes. Therefore, the major change of this release is to improve stability by changing the ETCD configuration and replacing the etcdrefreshuvs and updateetcd services with new software. This update resolves the MON and OSD may be rebooted due to being out of memory.

We recommend all users update your Mars400 to 2.16.19-04 if you are using any version of 2.16.19.

Users can upgrade an in-production cluster with UVS version 2.16.19-03. Versions older than 2.6.19-03 shall upgrade to 2.16.19-03 before you can upgrade to version 2.16.19-04.

If you are using the UVS v2.16.19.0 please upgrade it to this new release.

The UVS v2.16.19-04 update will only update the UVS manager related files. There is no ceph service restart and no node reboot.

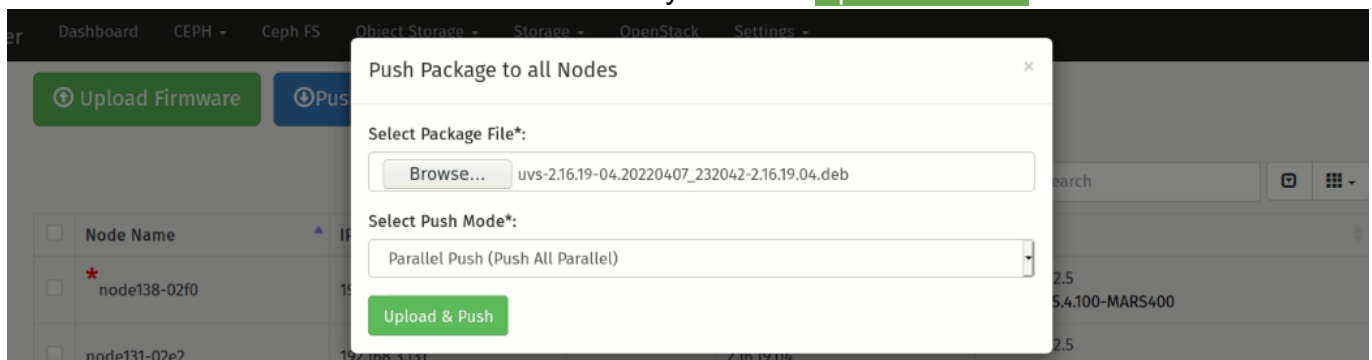
Upgrade Guide

The steps to completely upgrade the software are

1. Log in to Ambedded Freshdesk and Download the update file.
<https://ambedded.freshdesk.com/en/support/solutions/articles/47001213497-update-files-for-uvs-v2-16-19-04>
2. Make sure your cluster is in a healthy state.
3. Use a web browser to open the UVS manager on any Monitor Node
4. Navigate to the Setting → Firmware Update page
5. Click the check box of node name to select all nodes except for the current node.

<div> <div>Upload Firmware</div> <div>Push Update</div> <div>Push Package</div> </div>			
<input checked="" type="checkbox"/>	Node Name	IP Address	Role
<input type="checkbox"/>	* node138-02f0	192.168.3.138	mon mgr
<input checked="" type="checkbox"/>	node131-02e2	192.168.3.131	mon mgr
<input checked="" type="checkbox"/>	node133-02e6	192.168.3.133	osd
<input checked="" type="checkbox"/>	node134-02e8	192.168.3.134	osd
<input checked="" type="checkbox"/>	node135-02ea	192.168.3.135	osd
<input checked="" type="checkbox"/>	node136-02ec	192.168.3.136	osd
<input checked="" type="checkbox"/>	node137-02ee	192.168.3.137	mon mgr

- Click the Push Package button and select the .deb Debian package.
- Select the Parallel Push Mode and finally click the **Upload & Push** button.



- The software updater will push changes to all nodes except for the current node.
- After the update is completed, you will find the UVS Version has been updated to 2.16.19-04.

<div> <div>Upload Firmware</div> <div>Push Update</div> <div>Push Package</div> </div>					
<div> <div>Search</div> <div> <div></div> <div></div> </div> </div>					
<input type="checkbox"/>	Node Name	IP Address	Role	UVS Version	Version
<input type="checkbox"/>	* node138-02f0	192.168.3.138	mon mgr	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node131-02e2	192.168.3.131	mon mgr	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node133-02e6	192.168.3.133	osd	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node134-02e8	192.168.3.134	osd	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node135-02ea	192.168.3.135	osd	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node136-02ec	192.168.3.136	osd	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400
<input type="checkbox"/>	node137-02ee	192.168.3.137	mon mgr	2.16.19.04	CEPH: 16.2.5 KERNEL: 5.4.100-MARS400

10. Open another web browser page on the browser and use the UVS manager an already updated monitor node to update the not yet updated node.
11. *** It is not necessary to keep the UVS manager open all the time during the update. The updater works in the background. You can close the UVS manager and reopen it to check the result later. ***