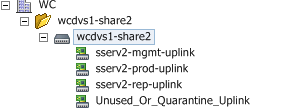
**Adding a New ESXi Host to vSphere in The New Share-2 Environments**

Adding a new host to vSphere in the new Share-2 environment has a new requirement as ESXi hosts in the Share2 UCS domain use a Nexus 1000v in L3 mode. The primary difference is that in L3 mode, each ESXi hosts requires an additional VM Kernel port and IP address for the VSM and VEM heartbeat traffic. This vmk port group profile is defined under the wcdvs1-share2 n1kv vSwitch and is labeled VSM\_L3Control\_vmk.





To following steps may be followed to successfully add a new ESXi host to any share-2 clusters using the above n1kv vSwitch.

1. Install ESXi on the host and apply an IP address. Standard version of ESXi as of this writing is 5.5 build 3116895. A newer build the 3116895 may not be compatible with our current vCenter version.
2. Add the host to vCenter
3. Install the Cisco VIC Ethernet module - enic\_2.1.2.71\_ESXi55. A baseline with this update is available in vCenter update manager. This won’t reboot the host.
4. Install the Cisco VEM 4.2(1)SV3(1.4) using vCenter update manager. It will reboot the host.
5. After host comes back online, ensure it is in the appropriate vSphere cluster and apply the host profile.
6. Apply the vMotion IP address on vmk1 VMKernel port when prompted.
7. Apply the VSM\_L3Control IP address config on vmk2 VMKernel port when prompted. The IP addresses can be found on the ESXi host IP/WWNs spreadsheet in the team share. Use 255.255.255.128 mask.