

# ATT Rover Validation HW, Networking and IP plan

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## Rover OVS-DPDK Validation Servers

### HPE

ProLiant DL380 Gen10

Dual socket Intel(R) Xeon(R) Gold 6152 CPU @ 2.10GHz with 384GB RAM

HPE Smart Array P816i-a SR Gen10 with 2x480GB SSD (Bay 1-2), 6x2.4GB (Bay 3-8) and 4x480GB SSD (Bay 9-10)

PCI-E Card Layout:

PCI-E Slot 1	Empty slot 1
PCI-E Slot 2	HPE 12G SAS Expander Card
PCI-E Slot 3	Intel(R) Ethernet Controller XXV710 for 25GbE SFP28
PCI-E Slot 4	Empty slot 4
PCI-E Slot 5	Intel(R) Ethernet Controller XXV710 for 25GbE SFP28
PCI-E Slot 6	HPE Ethernet 10Gb 2-port 562SFP+ Adapter (not used but does impact device names and bus assignments)

### Dell

PowerEdge 740xd Gen 14

Dual socket Intel(R) Xeon(R) Gold 6152 CPU @ 2.10GHz with 384GB RAM

PERC H730P Adapter with 6x2.4GB (Slot4-9) and 4x480GB SSD (Slot 0-3)

PCI-E Card Layout:

PCI-E Slot 1	Empty slot 1
PCI-E Slot 2	Intel(R) Ethernet Controller XXV710 for 25GbE SFP28
PCI-E Slot 3	Empty slot 3
PCI-E Slot 4	Empty slot 4
PCI-E Slot 5	HPE Ethernet 10Gb 2-port 562SFP+ Adapter (not used but does impact device names and bus assignments)
PCI-E Slot 6	PERC H730P Adapter
PCI-E Slot 7	Intel(R) Ethernet Controller XXV710 for 25GbE SFP28

## Rover Validation Networking

The physical, L2, IP subnet, host and iDRAC/iLO addresses principles used in validation are the same as used in other validations of the same blueprint. Architectural details are shown here [Network Architecture](#) and details can be viewed from the pod specific input file [Example Configuration Input File - Rover Pods on Dell 740XD Servers](#) and [Example Configuration Input File - Rover Pods on HP DL380 Gen10 Servers](#).

The Rover deployment does not configure the networking subsystem thus the choice of switch subsystem components is not restricted to those shown and they can be replaced with devices offering equivalent functionality.

## Rover Validation IP/VLAN Plan

Details of the IP address plan used in validation can be viewed from the pod specific input file [Example Configuration Input File - Rover Pods on Dell 740XD Servers](#) and [Example Configuration Input File - Rover Pods on HP DL380 Gen10 Servers](#).

## Rover LAG Details

LAG details used in validation can be viewed in the pod specific input file [Example Configuration Input File - Rover Pods on Dell 740XD Servers](#) and [Example Configuration Input File - Rover Pods on HP DL380 Gen10 Servers](#).