



This support document is intended for users with an active VMware vSphere license. If you do not have a VMware vSphere license, you will need to purchase one to operate NETLAB+ until our team releases a version utilizing Proxmox.

NETLAB+ Server Specifications

Updated September 2023

Recommended Equipment

A NETLAB+ infrastructure consists of the following equipment:

Management Server

- NETLAB+ VE Appliance

- VMware vCenter Appliance

Host Servers – Standard or High Performance

- Virtual Machines for Pods

Network Infrastructure

- 1 Gbps Network (10 Gbps optional)

Management Server

NDG Management recommended specifications:

Part Number: ConvergeOne 7Z71T4BJ00

ThinkSystem 1U 2.5" Chassis with 8 or 10 Bays

2x Intel Xeon Gold 6330 28C 2.0GHz Processor

2x 64GB TruDDR4 3200 MHz RDIMMs (128GB Total)

2x M.2 240GB SATA 6Gbps SSD for OS Install

ThinkSystem RAID 940-8i 4GB Flash PCIe 12Gb Adapter

4x 2.5" PM1653 960GB Read Intensive SAS 24Gb HS SSD

Broadcom 57454 10GBASE-T 4-port OCP Ethernet Adapter

Broadcom 5719 1GbE RJ45 4-Port PCIe Ethernet Adapter

2x V2 1100W (230Vac/115Vac) Platinum Hot Swap Power Supply

2x 2.8m, 13A/120V, C13 to NEMA 5-15P (US) Line Cord

ThinkSystem Toolless Slide Rail Kit v2

3 Year Support

VMware ESXi 8.0 U1 (Factory Installed)



Host Server - Standard

NDG Standard recommended specifications:

Part Number: 7Z71T4BH00

ThinkSystem 1U 2.5" Chassis with 8 or 10 Bays

2x Intel Xeon Gold 6330 28C 205W 2.0GHz Processor

8 x 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM

2x M.2 5400 PRO 240GB Read Intensive SATA 6Gb NHS SSD for OS Install

2x U.2 PM1733 7.68TB Entry NVMe PCIe 4.0 x4 Hot Swap SSD

Broadcom 57454 10GBASE-T 4-port OCP Ethernet Adapter

Broadcom 5719 1GbE RJ45 4-Port PCIe Ethernet Adapter

2x 1100W (230Vac/115Vac) Platinum Hot Swap Power Supply

2x 2.8m, 13A/120V, C13 to NEMA 5-15P (US) Line Cord

ThinkSystem Toolless Slide Rail Kit v2

3 Year Support

VMware ESXi 8.0 U1 (Factory Installed)



Host Server – High Perf

NDG High Performance recommended specifications:

Part Number: ConvergeOne 7Z71T4BG00

ThinkSystem 1U 2.5" Chassis with 8 or 10 Bays

2x Intel Xeon Gold 6338 32C 205W 2.0GHz Processor

12x 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM

2x M.2 5400 PRO 240GB Read Intensive SATA 6Gb NHS SSD

2x U.2 PM1733 7.68TB Entry NVMe PCIe 4.0 x4 Hot Swap SSD

Broadcom 57454 10GBASE-T 4-port OCP Ethernet Adapter

Broadcom 5719 1GbE RJ45 4-Port PCIe Ethernet Adapter

2x 1100W (230Vac/115Vac) Platinum Hot Swap Power Supply

2x 2.8m, 13A/120V, C13 to NEMA 5-15P (US) Line Cord

ThinkSystem Toolless Slide Rail Kit v2

3 Year Support

VMware ESXi 8.0 U1 (Factory Installed)

