

Background Info for New Servers 2020

Required 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: **7X02TBB500**

ThinkSystem SR630 2.5" Chassis with 10 Bays

2x Intel Xeon Gold 5218 16C

8x 16GB TruDDR4 2933 MHz RDIMMs (128GB Total)

2x M.2 128GB SATA 6Gbps SSD for OS Install

ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter

8x 2.5" 600GB 10K SAS 12Gb HDD in RAID 5

ThinkSystem 10GbE 4-port Base-T LOM

Broadcom 5719 1GbE 4-Port PCIe Ethernet Adapter

2x 750W (230/115V) Platinum Hot-Swap Power Supply

2x 2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord

ThinkSystem Toolless Slide Rail Kit with 1U CMA

3 Year Support

VMware vSphere ESXi 6.7 U3



Host Server - Standard

NDG Standard recommended specifications:

Part Number: **7X02T31900**

ThinkSystem SR630 2.5" Chassis with 10 Bays

2x Intel Xeon Gold 5218 16C

24x 16GB TruDDR4 2933 MHz RDIMMs (384GB Total)

2x M.2 128GB SATA 6Gbps SSD for OS Install

2x U.2 PM983 1.92TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD

ThinkSystem 10GbE 4-port Base-T LOM

Broadcom 5719 1GbE 4-Port PCIe Ethernet Adapter

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

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

ThinkSystem Toolless Slide Rail Kit with 1U CMA

3 Year Support

VMware vSphere ESXi 6.7 U3



Host Server – High Perf

NDG High Performance recommended specifications:

Part Number: **7X02T31500**

ThinkSystem SR630 2.5" Chassis with 10 Bays

2x Intel Xeon Gold 5218R 20C

24x 32GB TruDDR4 2666 MHz RDIMMs (768GB Total)

2x M.2 128GB SATA 6Gbps SSD for OS Install

2x U.2 PM983 1.92TB Entry NVMe PCIe 3.0 x4 Hot Swap SSD

ThinkSystem 10GbE 4-port Base-T LOM

Broadcom 5719 1GbE 4-Port PCIe Ethernet Adapter

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

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

ThinkSystem Toolless Slide Rail Kit with 1U CMA

3 Year Support

VMware vSphere ESXi 6.7 U3

