



NLINK® Hardware Recommendations

The *NLINK® Software* runs on Windows Server 2012 R2, Windows Server 2016 or Windows Server 2019 on any server class machine. NLINK can also be deployed in virtual environments such as VMware and/or Microsoft's Hyper-V and in-the-cloud on Amazon Cloud and Microsoft Azure.

NLINK runs as an in-memory Windows service and enough RAM needs to be provisioned for NLINK to operate without paging. Note that each new release of Windows Server Operating System takes more and more RAM. We recommend provisioning a minimum of 8GB of RAM in addition to what the Operating System needs, more is preferred. In a virtual environment you should set the necessary flags to allow the virtual memory to increase as needed.

NLINK has very modest hard disk space requirements. An additional dedicated 20GB of hard disk space should be more than sufficient for most installations. NLINK only requires hard disk space to store configurations, and for logging and trace files for debugging.

Note that if NLINK is deployed in a virtual environment the NLINK licensing system requires that the virtual machine has a static MAC address configured. Virtual machines and cloud environments that can assign a new MAC address when rebooted will break NLINK's licensing and NLINK will fail to start.

When deploying on physical hardware we suggest purchasing a system that will meet both your immediate performance requirements and still allow you to scale to meet future needs. The Dell *PowerEdge* server configuration shown below comes in Tower or Rack format and provides a reasonably good cost/performance compromise. It contains all of the components needed for a basic NLINK installation and also allows for future CPU, RAM and/or hard drive expansion.

Dell PowerEdge 340

Intel® Xeon® E3-1240 v5 3.5GHz, 8M cache, 4C/8T, turbo (80W):

- Windows Server® 2012 R2, Standard Edition, Includes 5 CALs
- 16GB UDIMM, 2133MT/s, ECC
- 200GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, S3610
- On-Board Dual Gigabit Network Adapter
- 16x DVD-ROM Drive, Internal, SATA
- Onboard SATA, 1-4 Drives connected to Onboard SATA Controller - No RAID
- Chassis with Cabled Hard Drive and Non-Redundant Power Supply
- Keyboard and Optical Mouse, USB, Black, English
- No Monitor
- 3Yr Basic Hardware Warranty Repair: 5x10 HW-Only, 5x10 NBD Onsite
- Power Cord, NEMA 5-15P to C13, wall plug, 10 feet

