2.2.5 Server Installation Facts

Windows Server 2016 is the latest release of the Windows Server product. When installing Windows Server 2016, you need to be aware of the following:

- Windows Server 2016 supports only 64-bit processors.
- You must enter the product key when you are installing the product.
- There are three editions of Windows Server 2016.
- All editions are on the same installation media. The product key determines which edition is installed.

When choosing an edition of Windows Server 2016, make sure that you are aware of the features that it supports and select the edition that meets the needs of your organization:

Edition	Features
Essentials Edition	The Essentials edition is scaled down version of Server 2016 designed for small organizations. The Essentials edition supports: - Two CPU sockets and up to 64 GB of RAM - Up to 25 user accounts - Up to 50 computer accounts Essentials does *not* support: - Server Core installation - Full Hyper-V virtualization services - Server clustering
Standard Edition	The Standard edition of Server 2016 is designed for medium and large businesses. The Standard edition supports: - Up to 512 CPU cores and 24 TB of RAM - Unlimited user and computer accounts - Unlimited simultaneous Routing and Remote Access (RRAS) connections - Unlimited simultaneous Remote Desktop (RD) connections - Server Core installation - Hyper-V support Two simultaneous Hyper-V guest sessions are supported. - Server clustering with up to 64 nodes per cluster
Datacenter Edition	The Datacenter edition of Server 2016 provides additional capability over the other Windows Server 2016 editions. - Up to 512 CPU cores and 24 TB of RAM - Unlimited user and computer accounts - Unlimited simultaneous Routing and Remote Access (RRAS) connections - Unlimited simultaneous Remote Desktop (RD) connections - Server Core installation - Hyper-V support. Unlimited simultaneous Hyper-V guest sessions are supported. - Server clustering with up to 64 nodes per cluster

In addition to the various server editions, you can install Windows Server 2016 as a *Server Core* deployment. Server Core is a minimal server implementation option which does not provide a graphical user interface.

The following table identifies the minimum requirements for all editions of Windows Server 2016.

Component	Minimum
CPU	1.4GHz (x64) single-core processor that supports: - x64 instruction set - NX and DEP - CMPXCHG16b, LAHF/SAHF, and PrefetchW

	• Second Level Address Translation (EPT or NPT)
RAM	512 MB (Server Core) 2 GB (Desktop Experience)
Free space for System Volume	32 GB

Once the software has installed, Server Manager opens when you log in for the first time. Using Server Manager:

- Provide a computer name
- Set the time zone
- Configure network settings