



Server Costs and Installation

Lecture 12

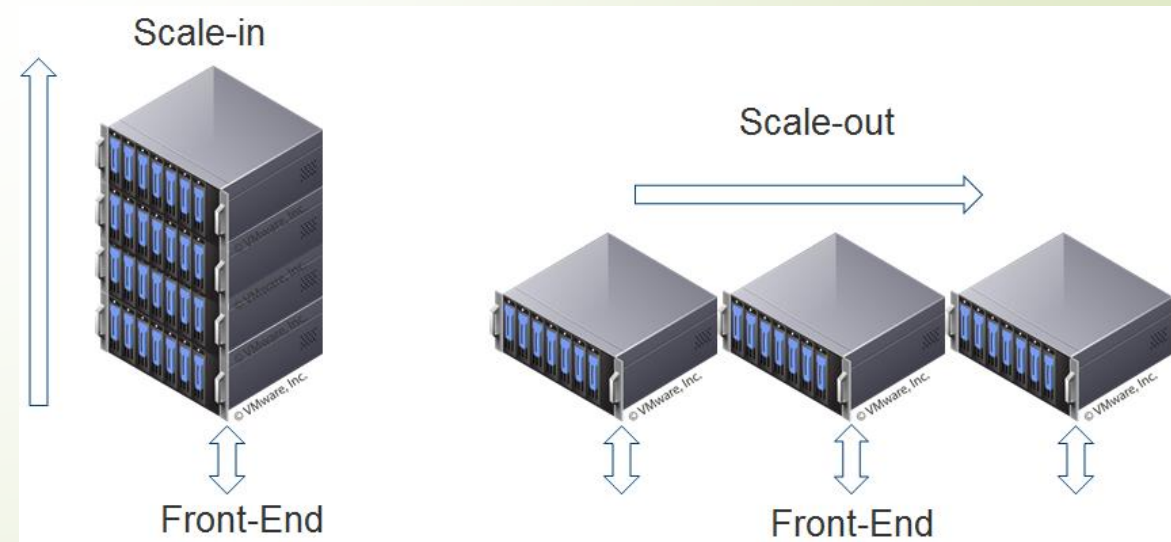



Server Cost considerations

- OS licenses
- Server applications licensing
- Management administration
- Support and maintenance costs
- Security (Local or through extra solutions)
- Physical Space allocation(Hosting)

Server costs...


- Hardware costs:
 - CPU
 - RAM
 - Storage
 - Communication
 - High Availability and redundancy
 - Scalability (in – out)



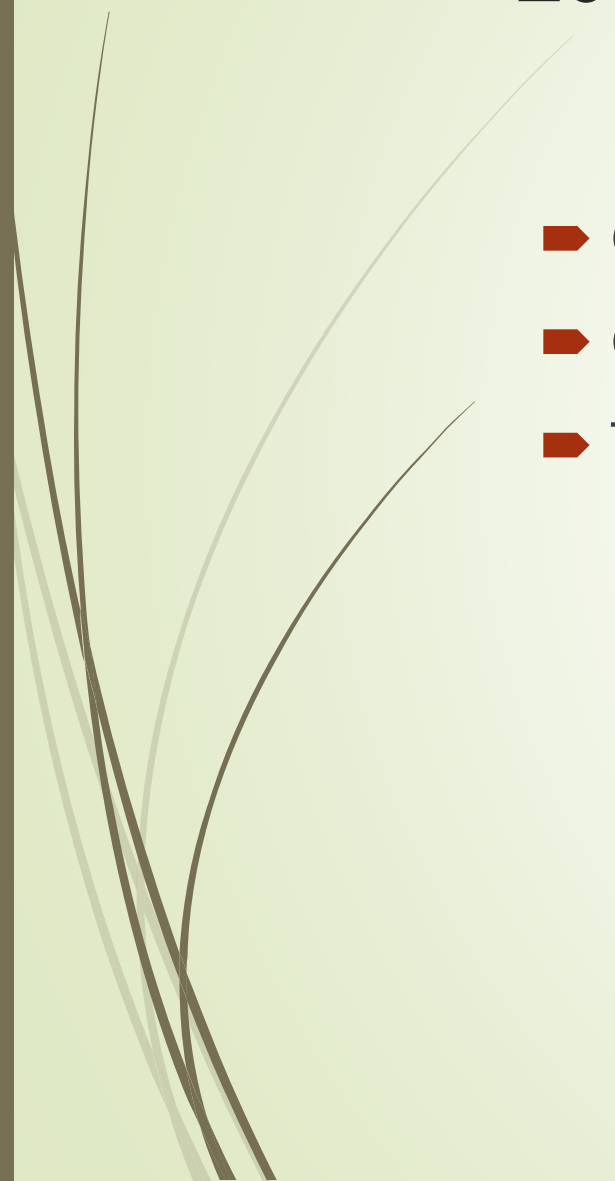


Installing and Configuring Windows 2012 Server

- Prerequisites for installing Windows 2012 Server.
- Installing Windows 2012 Server.



Prerequisites for Installing Windows 2012 Server

- ▶ Checking hardware compatibility.
 - ▶ Checking hardware configuration.
 - ▶ Testing server hardware.
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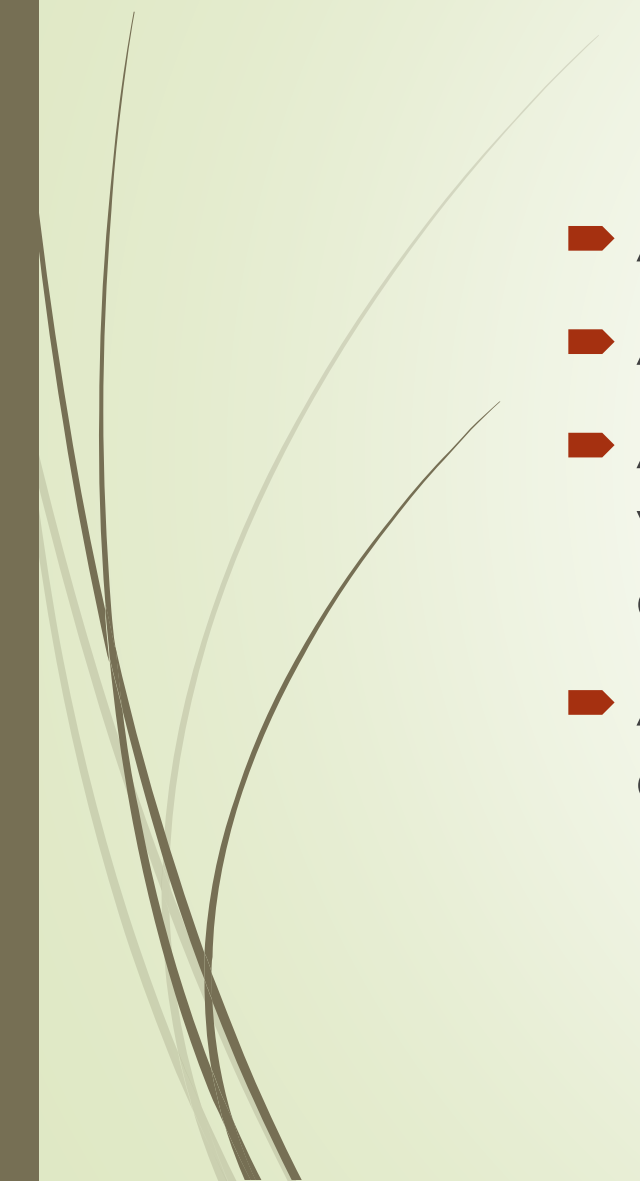
Checking Hardware Compatibility

The minimum requirements for installing Windows 2012 Server include:

Component	Minimum Requirement	Microsoft Recommended
Processor	1.4 GHz	2 GHz or faster
Memory	512 MB RAM	2 GB RAM or greater
Available Disk Space	32 GB	40 GB or greater
Optical Drive	DVD-ROM drive	DVD-ROM drive



Checking Hardware Configuration

- A DVD-ROM drive is recommended for installations.
 - A SVGA display adapter,
 - A mouse or other pointing device, and the most recent version of the network operating system software are also required.
 - A network interface card, with PXE support if installing over LAN.
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Testing Server Hardware

- To ensure the proper functioning of the server's hardware, it is necessary to **rebuild the computer's hard disk** drive and start a fresh installation.
- The Windows bootable DVD, the installation diskettes, or the FDISK program can be used to delete existing partitions.
- The Windows bootable CD builds new partitions, including the system reserved partitions.

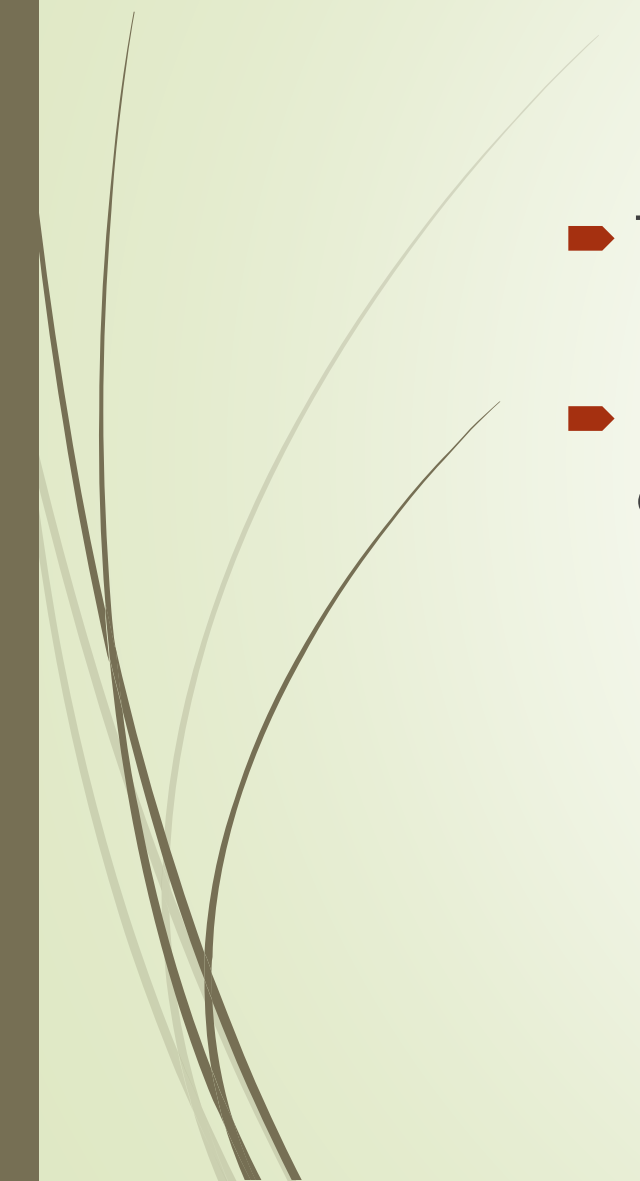


Testing Server Hardware

- It is not essential to remove the existing partitions prior to installing the new operating system.
- If the existing partition is a FAT partition it can be converted to NTFS, while an existing NTFS partition can be used during installation.
- If required, the existing partitions can be repartitioned.



Testing Server Hardware

- ▶ The network interface card's installation disks should also be made available while installing the server software.
 - ▶ It is also necessary to have a hub and network wiring to connect a server to workstations.
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Installing Windows 2012 Server

The bootable DVD-ROM used for installing Windows 2012 Server performs the following tasks:

- Erases the existing hard disk drives.
 - Reformats the disk with a NTFS partition.
 - Configures the server to use the IP protocol, and creates a new Windows 2012 Server.
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Installing Windows 2012 Server

Microsoft Hyper-V Server 2012 R2

Language to install: English (United States)

Time and currency format: English (United States)

Keyboard or input method: US

Enter your language and other preferences and click "Next" to continue.

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Next

Windows 2012 Server Setup
window



Installing Windows 2012 Server

The following inputs should be prepared before installation:

- The computer name and the administrator password.
- The workgroup or the domain name.
- The user name and password for the user who is authorized to join the machine to the domain.
- The 25-character product activation code.



Live Demo on installing Win2012

