



COMPUTER SYSTEM SERVICING G10
QUARTER 2–WEEK 1: Installing Windows Server 2008

Name of Learner: _____

Date: _____

Grade & Section: _____

Teacher: _____

MOST ESSENTIAL LEARNING COMPETENCY (MELC):

- Install Operating System (OS) in accordance with established installation procedures and to comply with end-user requirements. *TLE_IACSS9- 12ICCS-Ia-e-28*

Objectives:

1. Identify the features and different editions of Windows Server 2008
2. Learn how to install a Windows Server 2008
3. Develop the student’s decision-making skills by challenging the student’s thinking skills on why there is a need to reformat a computer



TEACH ME

Learning Task 1:

An operating system or OS is a software that communicates with the hardware and allows other programs to run. It is comprised of system software, or the fundamental files your computer needs to boot up and function. Every desktop computer, tablet, and smartphone include an operating system that provides basic functionality for the device.



1. Identify the logos of different Operating Systems.
2. Which among the following OS are you using at home? Why?

Learning Task 2:

Windows Server 2008

It is the successor of Windows Server 2003. It is a Microsoft server operating system that was released to the public on February 27, 2008 that most closely resembles Windows Vista in look and feel. Windows Server 2008 is a robust operating system, including many highly desirable features for servers that have a demand for maximum uptime and availability.

Features of Windows Server 2008

1. Self-healing NTFS - allows a sub-process to repair any detected disk errors as opposed to potentially shutting down a disk to resolve the error
2. Allows the administrator to install certain hot patches without the need for a system reboot
3. Provides a better native backup utility: Windows Server Backup Snap-in that enables to back up and restore server files to backup media including DVDs
4. Group Policy - provides a way to control the user and computer environment found on the network
5. Offers even greater security than its predecessor, including features such as BitLocker drive encryption

Editions of Windows Server 2008

1. Standard Edition

Standard Server is considered the entry-level version of Windows Server 2008. It is suitable for smaller businesses and organizations.

2. Enterprise Edition

The Enterprise Edition supplies all the features and tools provided by the Standard Edition. The major difference is that the Enterprise Edition is considered a platform for very large enterprise networks.

3. Datacenter Edition

The Datacenter Edition provides for multiple processors (32 x86 and 64 x64) and has the same potential RAM capacity as the Enterprise Edition (64GB on x86 and 2TB on X64). It also grants unlimited deployment of virtual servers, whereas the limit with the Enterprise Edition is four and with the Standard Edition is one. The Datacenter Edition is considered the appropriate platform for very large-scale networks requiring access to large databases and real-time transaction validation.

4. Web Edition

The Web Edition is considered the ideal platform for web hosting. It is a scaled-down version of Windows Server and supports multiple processors.

To use Windows Server 2008, you need to meet the following hardware requirements:

Component Requirement

Processor	<ul style="list-style-type: none">• Minimum: 1GHz (x86 processor) or 1.4GHz (x64 processor) • Recommended: 2GHz or faster
Memory	<ul style="list-style-type: none">• Minimum: 512MB RAM • Recommended: 2GB RAM or greater • Maximum (32-bit systems): 4GB (Standard) or 64GB (Enterprise and Datacenter) • Maximum (64-bit systems): 32GB (Standard) or 2TB (Enterprise, Datacenter and Itanium-based Systems)
Available Disk Space	<ul style="list-style-type: none">• Minimum: 10GB • Recommended: 40GB or greater Note: Computers with more than 16GB of RAM will require more disk space for paging, hibernation, and dump files
Drive	DVD-ROM drive
Display and Peripherals	<ul style="list-style-type: none">• Super VGA (800 x 600) or higher-resolution monitor • Keyboard • Microsoft Mouse or compatible pointing device

Step-by-step Procedure to Install Windows Server 2008

1. Insert the appropriate **Windows Server 2008 installation media** into your DVD drive. If you don't have an installation DVD for Windows Server 2008, you can download one for free from Microsoft's Windows 2008 Server Trial website.
2. **Reboot** the computer.
3. When prompted for an **installation language** and other regional options, make your selection, and press **Next**.
4. Next, press **Install Now** to begin the installation process.
5. Product activation is now also identical with that found in Windows Vista. Enter your **Product ID** in the next window, and if you want to automatically activate Windows the moment the installation finishes, click **Next**. If you do not have the Product ID available right now, you can leave the box empty, and click Next. You will need to provide the Product ID later, after the server installation is over. Press No.
6. Because you did not provide the correct ID, the installation process cannot determine what kind of Windows Server 2008 license you own, and therefore you will be prompted to **select your correct version** in the next screen.
7. If you did provide the right Product ID, select the **Full version** of the right Windows version you're prompted, and click **Next**.

8. Read and accept the license terms by clicking to select the **checkbox** and pressing **Next**.
9. In the “**Which type of installation do you want?**” window, click the only available option – **Custom (Advanced)**.
10. In the “**Where do you want to install Windows?**”, if you’re installing the server on a regular IDE hard disk, click to select the **first disk**, usually **Disk 0**, and click **Next**.
11. The installation now begins.

End of Support for Windows Server 2008

This means that as of January 14, 2020 there is no more additional:

- free security updates on-premises
- non-security updates
- free support options
- online technical content update



LEARN MORE

Learning Task 3:

Directions: *Unscramble each of the clue words. Copy the letters in the numbered cells to other cells with the same number to find the hidden word. The first one is done for you.*

BUKCAP	
SEYTSM	
RETPINREES	<div style="position: absolute; left: 10px; bottom: 10px; font-size: 8px;">2</div> <div style="position: absolute; right: 10px; bottom: 10px; font-size: 8px;">1</div>
RUTCPO	<div style="position: absolute; right: 10px; bottom: 10px; font-size: 8px;">4</div>
SYRCIUTE	<div style="position: absolute; left: 10px; bottom: 10px; font-size: 8px;">3</div>
DATPUE	<div style="position: absolute; right: 10px; bottom: 10px; font-size: 8px;">5</div>
SATWOFRE	

I					L	L
1	2	3	4	5		

Learning Task 4:

Directions: *Answer the following questions briefly and correctly.*

1. What are some of the new tools and features provided by Windows Server 2008?

2. What are the different editions of Windows Server 2008? Discuss each.

3. Do I have to buy another copy of Windows OS if I want to install it on another computer?



SUMMATIVE ASSESSMENT:

A. WRITTEN TASK:

Directions: Read each question and their corresponding answers carefully and completely. Choose the answer that best fits the statement.

- _____ 1. What is the minimum processor requirement for Windows Server 2008?
A. 1 GHz B. 2 GHz C. 2.4 GHz D. 3 GHz
- _____ 2. What is the minimum memory requirement for Windows Server 2008?
A. 256 MB B. 512 MB C. 2 GB D. 4 GB
- _____ 3. Which of the following provides a way to control the user and computer environment found on the network?
A. Backup utility B. Group policy C. Reboot D. Self-healing NTFS
- _____ 4. Which of the following allows a sub-process to repair any detected disk errors?
A. Backup utility B. Group policy C. Reboot D. Self-healing NTFS
- _____ 5. Which of the following editions of Windows Server 2008 provides for multiple processors?
A. Datacenter B. Enterprise C. Standard D. Web

Write TRUE if the statement is CORRECT and FALSE otherwise.

- _____ 6. Standard Server is considered the entry-level version of Windows Server 2008.
- _____ 7. The Enterprise Edition supplies all the features and tools provided by the Datacenter Edition.
- _____ 8. End of support refers to the date that software is no longer manufactured or supported.
- _____ 9. Windows Server 2008 is the successor of Windows Server 2007.
- _____ 10. To install the computer's operating system using a CD or DVD, you need to configure your computer to boot from the CD/DVD drive.

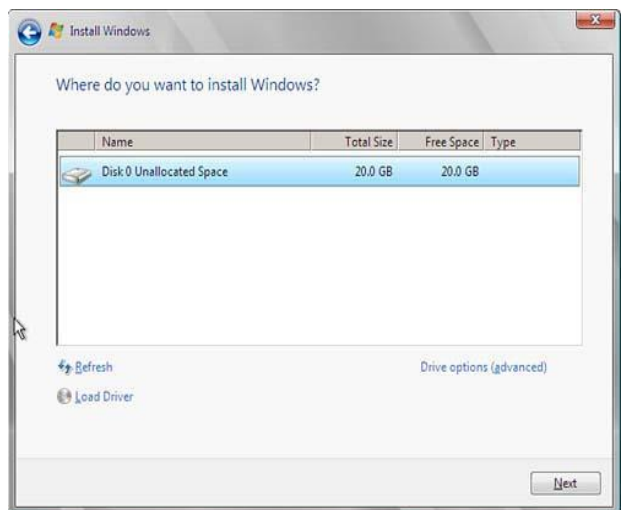
B. PERFORMANCE TASK

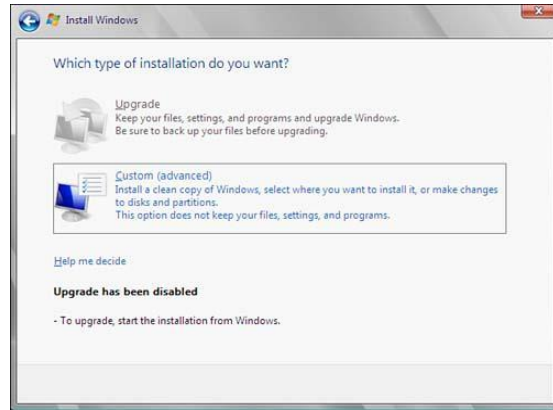
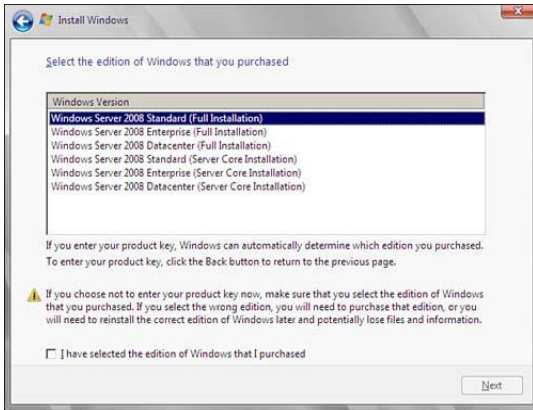
A. Given the pictures of some of the parts of Windows Server 2008 installation process, arrange them in their proper order. Use numbers to indicate their order of precedence. The first number is done for you.

What comes first?



1





B. Instead of printing a screenshot of a part of a Windows Server 2008 installation process (like the pictures above), you will create your own by using a short bond paper, colored paper, or any drawing materials. Choose only one step from the installation procedures that have been discussed and try to be more creative in doing the task.

Rubrics for Scoring				
	4	3	2	1
Following directions	All directions were followed.	You followed most directions.	You followed some directions.	None of the directions were followed.
Use of creativity	You used your own ideas and imagination	You used your own ideas most of the time.	You used some imagination.	You did not use your own ideas or imagination.
Effort	You took your time and worked hard	You worked hard for most of the time	You put a small effort	You rushed through and did not work hard
Quality of work	Very clear, complete and concise.	Clear, mostly complete and concise	Mostly clear and could be a little more concise	Unclear, incomplete and not concise

References:

- <https://techterms.com/definition/peripheral>
- <https://teachcomputerscience.com/input-devices/>
- <https://www.informationq.com/computer-input-and-output-devices/>
- <https://techterms.com/definition/projector>

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