Ex No: 4a   **Installation of Citrix XenServer**

21/07/26

Aim:

To install and configure Citrix XenServer for server virtualization.

Theory:

What is Citrix XenServer?

Citrix XenServer is a robust, open-source server virtualization platform that enables multiple virtual machines (VMs) to operate on a single physical server. It helps optimize resource utilization, simplifies IT infrastructure management, and supports advanced features like live migration, storage management, and centralized control.

Procedure

A. Downloading Citrix XenServer

1. **Go to the Official Download Page**
   Visit the Citrix Hypervisor download site.

2. **Sign In / Register**
   Log in with an existing Citrix account or create a free account if you don't have one.

3. **Locate the Latest Version**
   Look for the most recent version (e.g., *Citrix Hypervisor 8.x ISO* or *XenServer 8.x*).

4. **Download the ISO Installer**
   Click the download link for the installer (e.g., XenServer-8.x-install-cd.iso).

   File size: ~800 MB to 1 GB.

B. Creating Bootable Installation Media

5. **Make a Bootable USB/DVD**
   Use tools like:

   - **Rufus** (Windows)

   - **dd** command (Linux/macOS)
     to write the ISO to a USB drive or DVD.

C. Installing Citrix XenServer

6. **Boot from USB/DVD**
   Insert the bootable media into your target system, restart, and boot from it.

7. **Start the Installation**
   At the boot screen, press Enter and select your preferred language.

8. **Accept the License Agreement**
   Read the EULA and accept to proceed.

9. **Choose Installation Disk**
   Select the disk/volume where XenServer will be installed. Use arrow keys to choose and ensure a * mark is shown.

   Press Tab → Select "OK" → Press Enter.

10. **Select Installation Source**
    Choose **Local Media** as the source (USB/DVD).

11. **Skip Supplemental Packs (Optional)**
    You can skip this step unless additional packs are required.

12. **Verify Installation Media (Optional)**
    Recommended for ensuring the integrity of the media.

13. **Set Root Password**
    Enter a strong password. This will be used for administrative access.

14. **Configure Network**
    Choose a network interface and configure an IP (DHCP or Static).

15. **Set Hostname and DNS**
    Assign a hostname and provide DNS server details.

16. **Set Time Settings**
    Select your time zone. Enable NTP for automatic time synchronization.

17. **Review and Confirm Installation**
    Check all configurations. Note: The installation will erase all data on the selected disk.

18. **Complete Installation and Reboot**
    After installation, remove the media and restart the machine.

19. **First Boot**
    On reboot, you'll see the XenServer console displaying the server's IP address, hostname, and a configuration menu.

D. Installing XenCenter (on Windows)

1. **Insert the XenServer ISO on Your Windows PC**
   Or mount the ISO if downloaded.

2. **Navigate to the client_install Folder**

3. **Run the Installer**
   Double-click XenCenter.msi and follow the installation steps.

4. **Launch XenCenter**
   Open XenCenter to connect and manage your XenServer from the Windows interface.

Result:

Thus, the Citrix XenServer was successfully installed and ready for virtual machine management.