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TITLE:

Installation of VMWare workstation on a windows or Ubuntu server platform as per requirement.

AIM:

To Install VMWare workstation on a windows or Ubuntu server platform

OBJECTIVE:

To understand the concept VMWare and its working

THEORY:

Cloud Computing:

Cloud computing is the delivery of computing services (e.g., storage, processing power, software) over the internet, allowing users to access and use resources on a pay-as-you-go basis.

Virtualization:

Virtualization involves creating virtual representations of computing resources (e.g., servers, storage) to abstract the underlying physical hardware, enabling efficient resource utilization.

VMware:

VMware is a company that specializes in virtualization and cloud computing. VMware's vSphere platform uses a type-1 hypervisor to create and manage virtual machines on a host server, providing benefits such as resource optimization and centralized management.

INPUT:

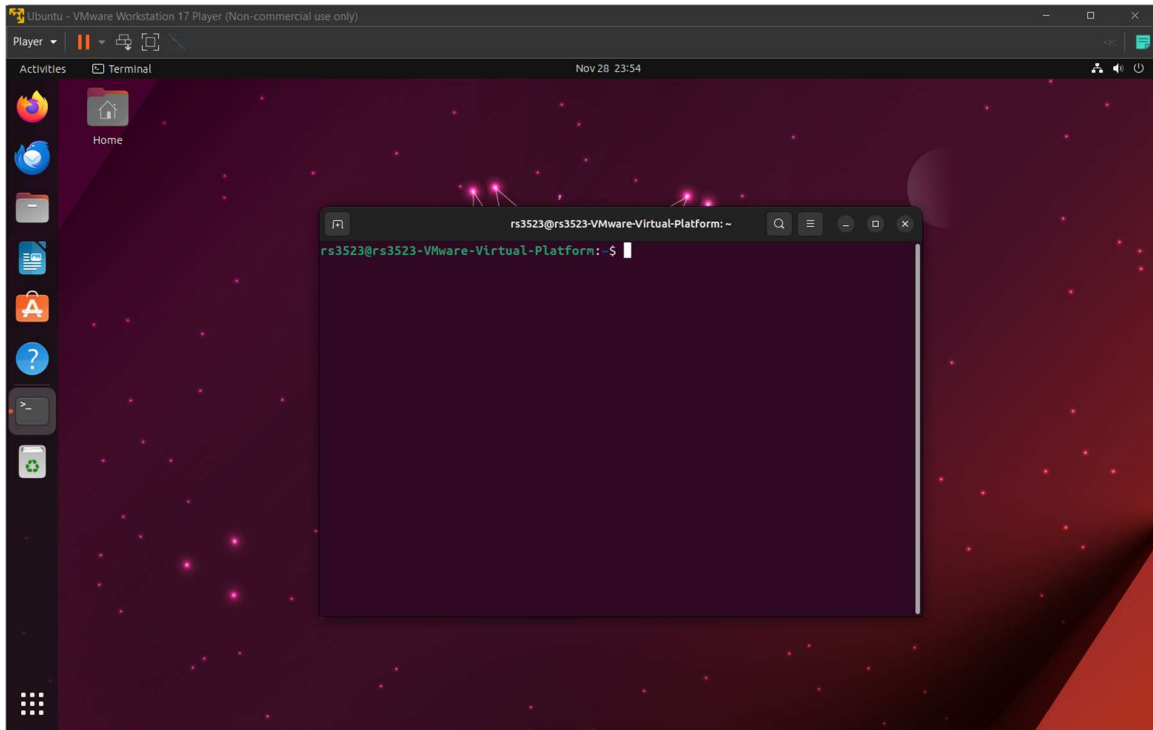
Decide the installation environment parameters

OUTPUT:

Accomplishment of the installation of VMWare

CONCLUSION:

The VMWare installation was accomplished.



PLATFORM:

Linux

LANGUAGE:

C language.

FAQs

1. Explain the types of virtualization
2. What are the VMWare applications
3. Give example of a Virtual Server

Q1:

Q1 Explain the types of virtualization.

Ans. Virtualization comes in various types:

- 1) Full virtualization: Entirely simulates the hardware, allowing different operating systems to run on a single physical machine.
- 2) Para-virtualization: Requires modification of the guest operating system to be aware of the virtual environment.
- 3) Hardware-assisted virtualization: Leverages hardware capabilities to improve the efficiency of virtualization.

Q2 What are the VMware applications.

Ans. VMware offers a range of applications, including:

- VMware vSphere: An enterprise-level virtualization platform.
- VMware Workstation: Enables desktop virtualization for running multiple operating systems on a single machine.
- VMware Fusion: Designed for macOS, similar to VMware Workstation.

Q3 An example of virtual server.

Ans. An example of virtual server is a virtual machine (VM) running on a hypervisor like VMware ESXi or Microsoft Hyper-V. This VM behaves like a physical server but is actually a software-based emulation running on a physical host machine.

