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**Install fedora workstation**

**using virtual environment to**

**demonstrate working of open**

**source-based platform**

Title: Installation and Demonstration of Fedora Workstation in a Virtual Environment

Objective:

To install Fedora Workstation, an open-source-based platform, using a virtual environment and demonstrate its functionality.

Requirements:

- Computer with virtualization support.

- Virtualization software (e.g., VirtualBox, VMware).

- Fedora Workstation ISO image (latest version).

Procedures/Experimental Setup:

1. Download the latest version of Fedora Workstation ISO image from the official Fedora website.

2. Install virtualization software (e.g., VirtualBox, VMware) on your computer if not already installed.

3. Launch the virtualization software and create a new virtual machine.

4. Specify the name, location, and other settings for the virtual machine, such as memory size and hard disk space.

5. Configure the virtual machine to use the Fedora Workstation ISO image as the installation media.

6. Start the virtual machine and begin the installation process.

7. Follow the on-screen instructions to install Fedora Workstation, including selecting the installation language, configuring the disk partitions, and setting up user accounts.

8. Allow the installation to complete, and then restart the virtual machine.

9. Login to Fedora Workstation using the credentials you set during the installation.

10. Familiarize yourself with the Fedora Workstation environment, including the desktop interface, applications, and available features.

11. Demonstrate the functionality of Fedora Workstation by performing various tasks, such as opening applications, browsing the internet, and managing files.

12. Explore the software repositories and install additional packages or software using the package manager (e.g., DNF) to showcase the open-source nature of Fedora Workstation.

13. Customize the desktop environment, themes, and settings according to your preferences to demonstrate the flexibility of Fedora Workstation.

14. Document and present the key features and benefits of Fedora Workstation in the virtual environment.

Results:

- Fedora Workstation was successfully installed and running in a virtual environment.

- The desktop environment, applications, and features of Fedora Workstation were demonstrated.

Result Analysis:

- Fedora Workstation, being an open-source-based platform, provides a robust and user-friendly environment for productivity and software development.

- The virtual environment allows for easy installation and demonstration without affecting the host operating system.

- Exploring the package manager and customizing the desktop environment showcase the flexibility and adaptability of Fedora Workstation.

Conclusion:

- The installation and demonstration of Fedora Workstation in a virtual environment highlighted its features, functionality, and open-source nature.

- Fedora Workstation provides a stable and efficient platform for various computing needs, including software development, productivity tasks, and exploration of open-source software.

- By utilizing Fedora Workstation in a virtual environment, users can experience and evaluate its capabilities before making it their primary operating system.