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★ Aim Of the Experiment :-

The aim of this experiment is to create virtual machines that can access different programs on the same platform.

★ Software Requirements :-

1. Virtualization software, such as VMware, VirtualBox, or Hyper-V.
2. Operating system ISO image files or installation CD/DVDs for each virtual machine.

★ Hardware Requirements :-

1. A computer with a compatible processor that supports virtualization technology.
2. Sufficient RAM and disk space to accommodate the virtualized machines and the programs they will run.

★ Objective :-

1. To understand the process of creating virtual machines.
2. To understand how to install an operating system and programs on a virtual machine.
3. To understand how to configure virtual machine network settings.

Steps :-

1. Choose a virtualization platform and install the virtualization software on the computer.
2. Create a new virtual machine and specify the operating system and resources to be used.
3. Install the operating system on the virtual machine.
4. Install the desired programs on the virtual machine.
5. Configure the virtual machine network settings, if necessary.
6. Start the virtual machine and verify that it can access the programs and the internet as desired.

Conclusion :-

By creating virtual machines, multiple operating systems and programs can be run on the same computer, providing a flexible and cost-effective solution for testing, development and other purposes. The process of creating virtual machines involves installing virtualization software, creating virtual machines, installing operating systems, installing programs and configuring network settings.

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Aim Of the Experiment :-

The aim of this experiment is to explore the use of Google cloud for sharing data.

Software Requirements :-

1. A Google cloud account
2. A Web browser

Hardware Requirements :-

1. An internet-connected device with a web browser.

Objective :-

1. To understand the features and capabilities of Google cloud for data sharing.
2. To learn how to use Google cloud to store, access and share data.
3. To evaluate the security, reliability and scalability of Google cloud for data sharing.

Steps :-

1. Create a Google cloud account.
2. Access the Google cloud Console through a web browser.
3. Create a new Project and choose the desired data storage and sharing options.
4. Store data in the desired format.
5. Share the data with others by granting access Permissions.
6. Evaluate the security, reliability of cloud for data sharing.

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Conclusion :-

Google cloud offers a versatile and reliable platform for data sharing, with features such as Google Drive and Google cloud storage. By using Google cloud, users can store and share data securely, with access controls and robust security measures. The scalability and reliability of Google cloud also make it an ideal choice for organizations and individuals who need to share large amounts of data.

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Aim Of the Experiment :-

The aim of this experiment is to explore Amazon Web Services (AWS) cloud computing platform.

Software Requirement :-

1. An Amazon Web Services (AWS) account.
2. A Web browser.

Hardware Requirements :-

1. An internet - connected device with a web browser.

Objective :-

1. To understand the features and capabilities of Amazon Web services (AWS) cloud computing platform.
2. To learn how to use AWS to store, access and manage data.
3. To evaluate the security, reliability and scalability of AWS for data storage and management.

Steps :-

1. Create an Amazon Web Services (AWS) account.
2. Access the AWS Management console through a web browser.
3. Choose the desired data storage and management options, such as Amazon S3 or Amazon EC2.

4. Store data in the desired format (such as a file or object).
5. Configure access controls and security measures for the data.
6. Evaluate the security, reliability and scalability of AWS for data storage and management.

Conclusion :-

Amazon Web services (AWS) is a versatile and scalable cloud computing platform that provides a range of options for data storage and management. With features such as Amazon S3 and Amazon EC2, users can store and manage data securely and with ease, with access controls and robust security measures. The scalability and reliability of AWS make it an ideal choice for organizations and individuals who need to store and manage large amounts of data.

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Submitted By
Ajit Kumar Swain
Roll no. :- 20DDS035