VirtualBox Fundamentals: Creating, Configuring, and Managing Virtual Machines

Sheet Zero

Objectives:

- Familiarize the user with the VirtualBox user interface and basic navigation.

- Provide hands-on experience with creating a new virtual machine and installing an operating system.

- Demonstrate how to install and configure software within a virtual machine.

- Teach how to use VirtualBox's snapshot and cloning features to manage and backup virtual machines.

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- Provide an understanding of how to configure network settings for virtual machines, including connecting to physical networks.

- Demonstrate how to enable remote access to a virtual machine for remote desktop or other remote access software.

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1. Creating a new virtual machine: Use VirtualBox to create a new virtual machine running an operating system of your choice. You can choose from a variety of pre-configured operating system images available online or use your own installation media. Be sure to configure the virtual machine settings, such as memory and storage, to meet the requirements of your chosen operating system.

2. Installing and configuring software: Once you have created your virtual machine, install and configure any necessary software, such as web servers, databases, or development environments. This will allow you to test and experiment with different configurations without affecting your production environment.

3. Snapshots and backups: Use VirtualBox's snapshot and backup features to create a snapshot of your virtual machine before making changes or updates. This will allow you to roll back to a previous state if something goes wrong. You can also use VirtualBox's cloning feature to create a backup copy of your virtual machine.

4. Network configuration: Experiment with VirtualBox's network configuration options to set up a virtual network between multiple virtual machines or connect your virtual machines to your physical network. This will allow you to test and experiment with different network configurations.

5. Remote access: Use VirtualBox's remote display feature to access your virtual machine from another machine on the network. This will allow you to test and experiment with remote access to your virtual machines.