

Dual-Boot Configuration

This playbook provides a detailed guide for setting up a dual-boot environment on a PC that allows the user to operate multiple operating systems, specifically Windows and Linux. It includes partitioning the hard drive, installing both operating systems, and configuring the boot loader.

Step 1: **Backup Data**

Back up all important data from the PC to prevent loss during the dual-boot setup process.

Step 2: **Create Partition**

Use a disk partitioning tool to resize existing partitions and create a new partition for the secondary operating system.

Step 3: **Install Windows**

Begin with the installation of Windows OS if not already installed. This is typically done first as it makes the process smoother.

Step 4: **Prepare for Linux**

Prepare a bootable USB drive with the Linux distribution of choice and restart the computer to boot from the USB.

Step 5: **Install Linux**

During Linux installation, choose the 'Something else' option to manually select the previously created partition for Linux and install the bootloader (GRUB).

Step 6: **Update GRUB**

After the installation, boot into Linux and run an update for the GRUB bootloader to ensure it recognizes both operating systems.

Step 7: **Test Boot**

Restart the PC to test the dual-boot setup. The GRUB menu should provide options to boot into either Windows or Linux.

General Notes

Secure Boot

Disable Secure Boot in the BIOS settings if issues arise during the Linux installation, as some Linux distributions do not support Secure Boot.

Partition Scheme

For a Linux installation, the commonly used partition scheme includes Root, Swap, and Home. Ensure you understand these before partitioning.

Backup Importance

It is critical to have a backup of the data as partitioning and installing an operating system can lead to data loss if any step goes wrong.

System Requirements

Verify that the PC meets the system requirements for both operating systems that will be installed.

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