

NON-DESTRUCTIVE BOOT-UP OF LINUX FOR A "WINDOWS.." COMPUTER

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TuCSon COMPUTER
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TOPICS

- Prepare the Windows PC to Boot Up From A Separate Drive Dedicated to Linux
- Install Linux Into the Separate Hard Drive
- Select Between Windows and Linux Drives By Connecting and Disconnecting the Linux Drive

USEFUL TECHNICAL FEATURES FOR SELECTING BETWEEN WINDOWS.. AND LINUX

1. Linux can install into and
then boot up from a USB
hard drive or a USB SSD

USEFUL TECHNICAL FEATURES FOR SELECTING BETWEEN WINDOWS.. AND LINUX (continued)

2. Windows 11 or 10 cannot only install and then boot up from a SATA hard drive, a SATA SSD, or an M.2 SSD

USEFUL TECHNICAL FEATURES FOR SELECTING BETWEEN WINDOWS.. AND LINUX (continued)

2. If you set the boot order in the UEFI (modern BIOS) so that USB hard drives or USB SSDs are higher in boot priority and then you attach a USB hard drive or USB SSD that has Linux installed on it, the computer will boot up in Linux instead of Windows..

USEFUL TECHNICAL FEATURES FOR SELECTING BETWEEN WINDOWS.. AND LINUX (continued)

3. If you shut down the Linux operating system, and then disconnect or power down the USB hard drive or USB SSD that has Linux installed it it, and then power back up the computer, the SATA hard drive, or SATA SSD, or M.2 SSD will be up the computer into Windows..

STEPS FOR DRIVE SWITCHING BETWEEN LINUX AND WINDOWS..

- From inside Windows 11 or 10, use the "Troubleshooting" option in "Settings" to get into the UEFI configuration screens
- From inside the UEFI configuration screens, set USB drives to a higher boot order relative to SATA and M.2 drives

STEPS FOR DRIVE SWITCHING BETWEEN LINUX AND WINDOWS..

(continued)

- Restart the computer to make sure that it is still booting up okay into Windows..
- Make a bootable DVD or thumb drive for installing the Linux distribution

STEPS FOR DRIVE SWITCHING BETWEEN LINUX AND WINDOWS..

(continued)

- Power down the computer
- If the existing Windows.. drive is a SATA hard drive or SATA SSD, disconnect it's data cable or it's power cable
- If the existing Windows.. drive is an M.2 SSD, remove it (temporarily) from the motherboard.

STEPS FOR DRIVE SWITCHING BETWEEN LINUX AND WINDOWS..

(continued)

- Attach a USB hard or USB drive for the Linux operating
- With this bootable drive and the USB drive for Linux attached to the computer, boot up the computer and install Linux into this USB hard drive

STEPS FOR DRIVE SWITCHING BETWEEN LINUX AND WINDOWS..

(continued)

- When you attach the USB-attached SSD or USB-attached hard drive to the computer and power it up, your computer will run the Linux operation system
- If you then power down the computer the disconnect the USB drive, the computer will boot up in Windows..