

Practical: 8

AIM: To learn and install dual operating systems in a single machine.

- While most PCs have a single operating system (OS) built-in, it's also possible to run two operating systems on one computer at the same time. The process is known as dual-booting, and it allows users to switch between operating systems depending on the tasks and programs they're working with.
- If you do not want Linux any more just wipe the drive and install Windows. If you would like both, you will need to partition the drive. 120 gig for Linux, 240 gig for Windows and the rest as FAT 32 as a storage partition. Install Windows first to the 240 gig partition, Linux to the 120 gig partition and install grub into the Windows boot partition. Now install GRUB Customizer into Linux and use it to set Windows as the default boot. If Windows cannot boot for updates it gets prissy and screws up the boot loader trying. Now set a 5 second boot delay so that you can select Linux during a boot up. Don't play around with a VM, you want both operating systems to run native on your hardware. A VM runs an operating system as a program inside of the host OS. But after trying dual-boot on two computers, or having a case when Windows did erase the previously installed Linux distribution, now I stick with Virtual Machines
- On a Windows computer that fulfills minimal requirements (8GB of RAM, 40 GB space on the system SSD, i5 processor, able to enable virtualization) I have created not just one, but several Virtual Machines: ones for CentOS, one for Delian 18LTS, another one for Delian on an external HDD, to see how it works, and so on!
- Installing Linux on Virtual Box as a virtual machine has a lot of advantages: still full access to the very familiar Windows machine, no need for dual boot or dedicated computer, you can create a snapshot and roll back changes to the appropriate VM state if something goes wrong, clone a VM, copy a VM to another machine easily (all VM data is stored as a set of files), or run a VM on different host operating systems that are supported by Virtual Box.