

Arch_Linux_Installation_Guide.txt

1. install grub :

- * pacman -Sy grub os-prober
- * grub-install --target=i386-pc /dev/sda
- * grub-mkconfig -o /boot/grub/grub.cfg

2. DHCPD :

- * systemctl enable dhcpd (to add to start at os startup)
- * systemctl start dhcpd

3. enp0s8 (ethernet enabling to access via putty)

- * add network in VM as host-only adaptor and enable it via checking box

4. OpenSSH

- * install OpenSSH (pacman -S openssh)
- * systemctl enable sshd
- * systemctl start sshd.server

5. Installation ARCH Linux

- * For installation of Arch linux, Please follow the below link:
> https://wiki.archlinux.org/index.php/Installation_guide
- * partitioning disk
 1. fdisk /dev/sda then pres n for new partition then P to select this a primary then partition number and them size.
 - a. /dev/sda1
 - b. /dev/sda2
 - c. /dev/sda3
- * create mount directory (/mnt/boot -> it will be used to install GRUB to boot OS)
 - a. assigning the mnt
 - # mkfs.ext4 /dev/sd1
 - # mkfs.ext4 /dev/sd3
 - # mkswap /dev/sd2
 - # swapon /dev/sd2
 - # mount /dev/sd1 /mnt/boot
 - # mount /dev/sd3 /mnt
 - # pacstrap /mnt base -> to install the arch linux

6. add user and assign a default home directory

- * useradd -m -d /PATH/TO/FOLDER USERNAME
- * passwd USERNAME -> to set password of new user

7. virtualbox Raw-mode is unavailable courtesy of Hyper-V windows 10

- * follow the link :
<https://stackoverflow.com/questions/50053255/virtualbox-raw-mode-is-unavailable-courtesy-of-hyper-v-windows-10>