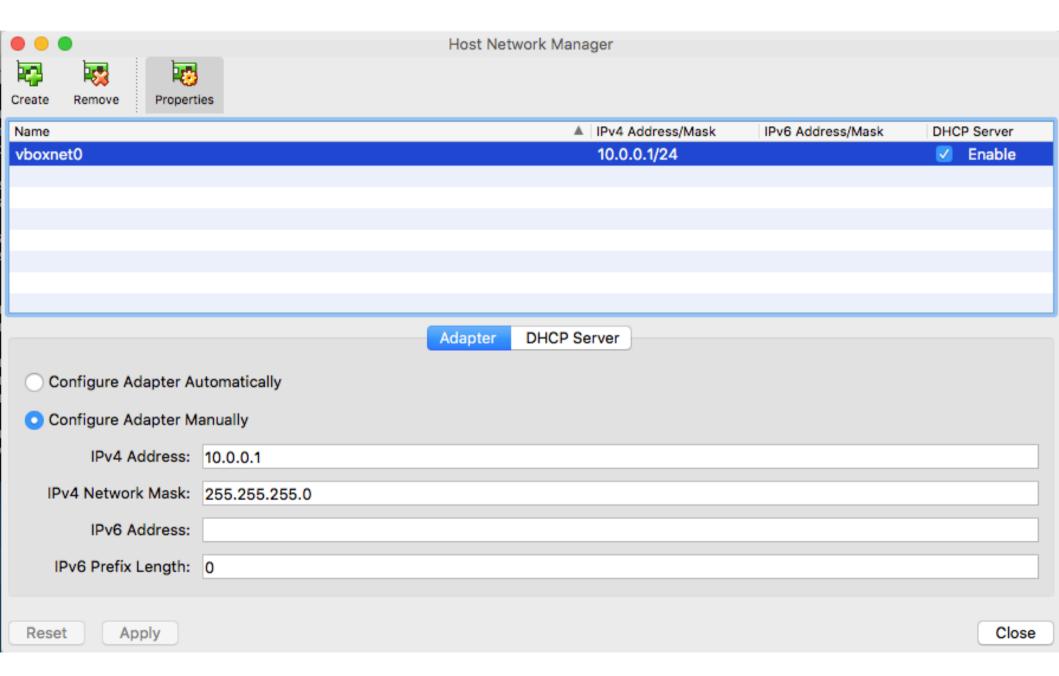
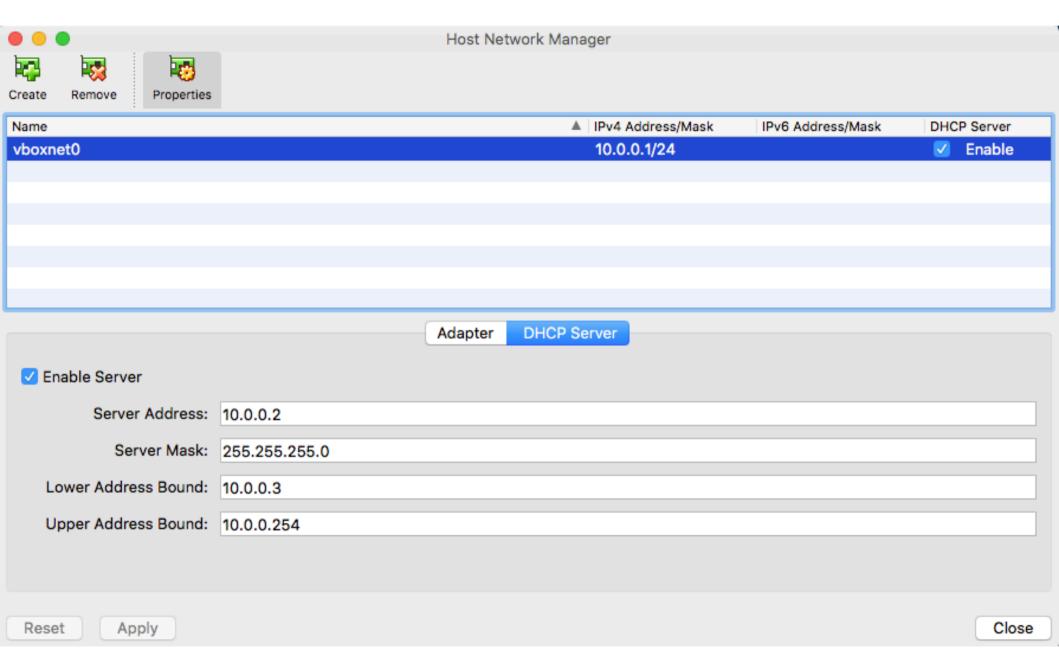
ICD – Infraestruturas e Centros de Dados

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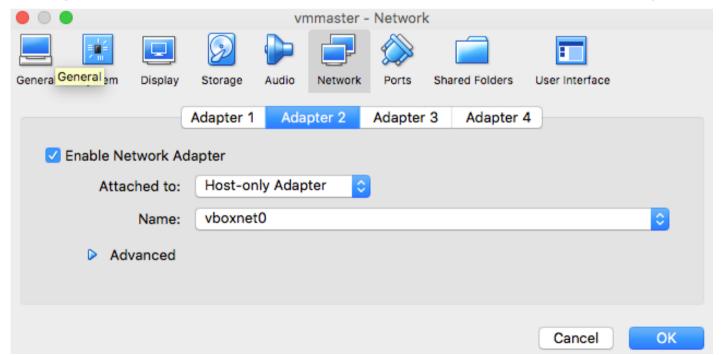
2020/2021

- Install VirtualBox 6.1 (https://www.virtualbox.org)
- Configure Host-only network
 - File -> Host Network Manager (Mac OSX)





- Setup one Centos 8 (64-bit) virtual machine
- Plan CPU, RAM (1GB) and Disk (8GB) resources so that multiple VMs can be deployed at the same host
 - VDI disk
 - Configure an additional network adapter (settings)



- Repeat the process to create another host adapter for network 10.10.10.X network
- Create another network adapter for the VM

- Install Centos from ISO file (Centos 8 boot iso)
- Launch the VM
 - If necessary add user to sudoers (visudo)
 - username ALL=(ALL) NOPASSWD:ALL
 - "ip add" command lists the available network interfaces
 - Configure network with nmtui for enp0s8 (enp0s9 will only be used later)

```
Manual
IP -> 10.0.0.3/24
automatically connect
disable ipv6
```

- Test SSH from host to the VM
- Configure SSH key access (/etc/ssh/sshd_config)
 - chmod 700 .ssh
 - chmod 600 .ssh/authorized_keys
 - sudo systemctl restart sshd
- Disable firewall
 - systemctl stop firewalld
 - systemctl disable firewalld

- Clone the VM to create a new one
 - Generate new MAC for the Network Adapters
 - Launch Second VM and configure network (IP 10.0.0.4/24)
 - sudo nmcli connection down enp0s8
 - sudo nmcli connection up enp0s8
 - Test connection between VMs and Host