

# VirtualBox User Created NAT

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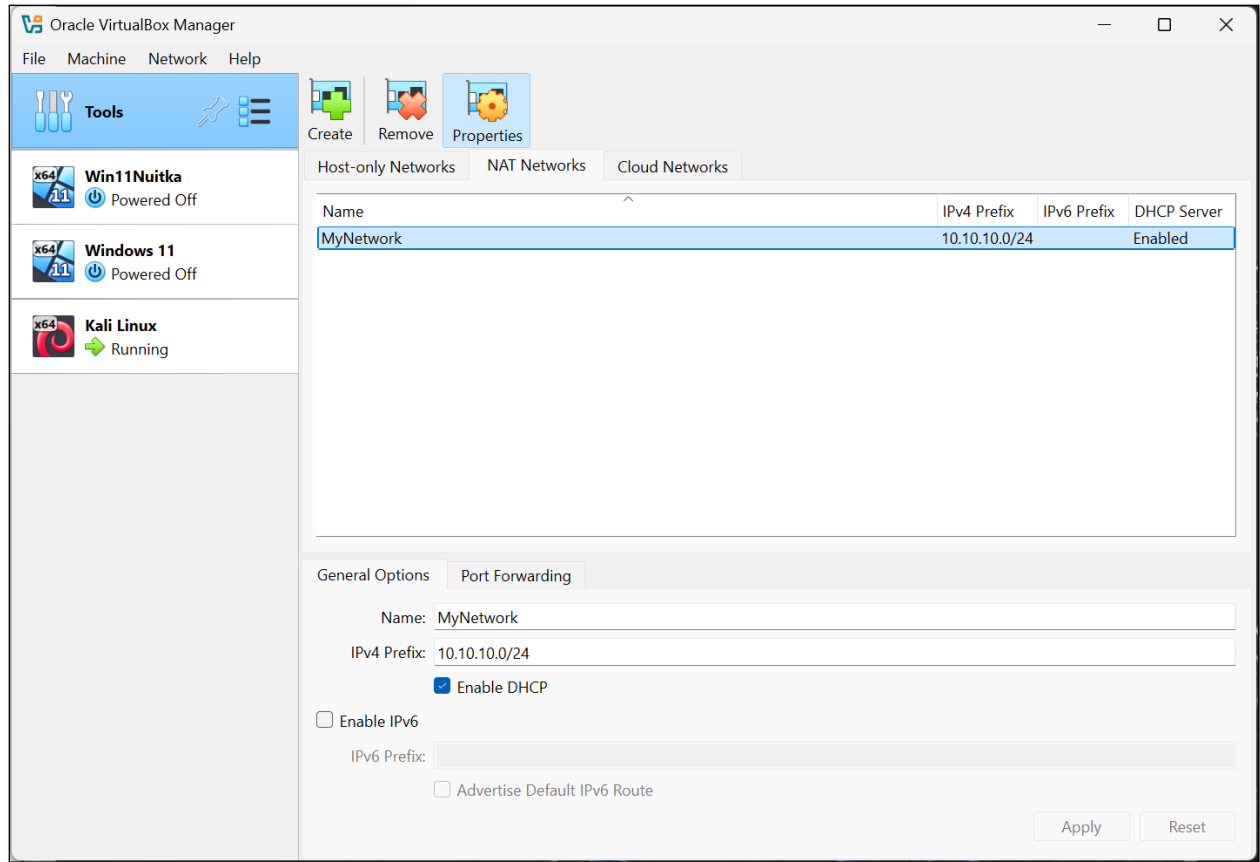
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Video walkthrough: [VirtualBox User Created NAT](#)

## Add Internet Access to your Internal Network

For some activities in this class, we want to use a user created NAT Network. This network will isolate our VM's from the local network.

1. **Oracle VM VirtualBox Manager → Tools → Network Manager**
2. Click **NatNetworks** → Click **Create**.
3. **Name: MyNetwork**
4. **IPv4 Prefix: 10.10.10.0/24**



5. **In Oracle VM VirtualBox Manager:** Right Click each Virtual Machine → **Settings**.

6. **Network → Attached to: NatNetwork**

7. For now, only Server1 will have Internet Access.

## VirtualBox NAT Network Troubleshooting

There can be issues using a user created NAT network in VirtualBox. Here are some steps that may help resolve issues.

1. Delete and recreate the NAT Network.

If that doesn't work, try this.

2. Run the following command at a command prompt to list the DHCP servers (NAT networks).

```
c:\Program Files\Oracle\VirtualBox\VBoxManage.exe" vboxmanage list dhcpserver
```

**NOTE:** NatNetwork is the default name for the first NAT network created. Replace that name with the name of the network you wish to remove.

```
"c:\Program Files\Oracle\VirtualBox\VBoxManage.exe" dhcpserver remove --network=NatNetwork
```

3. Create the NAT network again.
4. Set the VM to the new NAT Network.