

- **Lab Setup**

- Virtualization : VM WorkStation Pro 12.5 (Purchased license from DHGate.com, \$5.00)
- Ansible VM
 - Centos OS VM with Minimal Installation
 - NAT network
 - Activate CentOS network adapter for first use as follows;
 - Nmcli d (will show network connected or disconnected, if disconnected next step_
 - Nmtui (Enable DHCP + Enable the network)
 - Dhclient -r (Release DHCP IP Address)
 - dhclient (Renew DHCP IP Address)
 - Ansible installation
 - Ansible is part of Extra Packages for Enterprise Linux (EPEL), which is a community repository of non-standard packages for the RHEL distribution. First, we'll install the EPEL repository:

```
root@localhost ~]# sudo yum install ansible
Loaded plugins: fastestmirror
base                                                    | 3.6 kB  00:00:00
extras                                                  | 3.4 kB  00:00:00
updates                                                 | 3.4 kB  00:00:00
(1/4): base/7/x86_64/group_gz                          | 155 kB  00:00:00
(2/4): extras/7/x86_64/primary_db                      | 183 kB  00:00:00
(3/4): updates/7/x86_64/primary_db                    | 1.2 MB  00:00:02
(4/4): base/7/x86_64/primary_db                        | 5.6 MB  00:00:06
Determining fastest mirrors
 * base: mirror.it.ubc.ca
 * extras: centos.mirror.rafa1.ca
 * updates: mirror.it.ubc.ca
No package ansible available.
Error: Nothing to do
root@localhost ~]# _
```

- yum install epel-release
- sudo yum -y install ansible
- ansible --version (To verify Ansible is installed properly)
- Cisco VIRL (\$ 199 USD)
 - 20 Node License Personal Edition
 - Setup Per VIRL documentation

