

```
bill@localhost ~]$ insights-client --register
insights client must be run as root.
bill@localhost ~]$ su root
root@localhost bill]# insights-client --register
ou successfully registered aa6f7454-31e4-4ac9-b871-1fb473268dc7 to account 7115'
72.
Successfully registered host localhost.localdomain
utomatic scheduling for Insights has been enabled.
starting to collect Insights fata for localhost.localdomain
Iploading Insights data.
uccessfully uploaded report from localhost.localdomain to account 7115872.
iew the Red Hat Insights console at https://cloud.redhat.com/insights/
root@localhost bill]#
[root@localhost bill]# systemctl enable sshd
[root@localhost bill]# systemctl start sshd
[root@localhost bill]# |
[root@localhost bill]# ssh bill@127.0.0.1
The authenticity of host '127.0.0.1 (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:Z4qgm/LtUONZ4BdF8BFrFOw7SaGVis1jIJKO2yDcByU.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes ´
Warning: Permanently added '127.0.0.1' (ECDSA) to the list of known hosts.
bill@127.0.0.1's password:
Activate the web console with: systemctl enable --now cockpit.socket
Last login: Fri Apr 30 12:51:50 2021 from 10.0.2.15
```

[bill@localhost ~]\$ [[root@localhost bill]# dnf -y install https://releases.hashicorp.com/vagrant/2.2 .9/vagrant_2.2.9_x86_64.rpm Updating Subscription Management repositories. Last metadata expiration check: 0:43:07 ago on Fri 30 Apr 2021 12:45:15 PM EDT. vagrant 2.2.9 x86 64.rpm 7.3 MB/s | 42 MB 00:05 Dependencies resolved. ______ Package Architecture Version Repository ______ Installing: x86 64 1:2.2.9-1 @commandline 42 M Transaction Summary ______ Install 1 Package Total size: 42 M Installed size: 122 M Downloading Packages: I Running transaction check Transaction check succeeded. Running transaction test

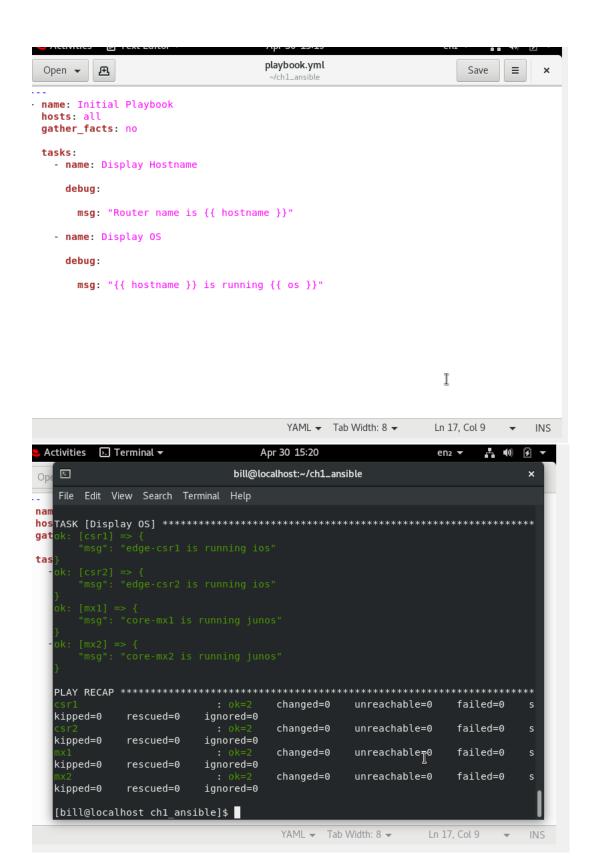
Transaction test succeeded.

```
root@localhost bill]# vagrant init
=> vagrant: A new version of Vagrant is available: 2.2.16 (installed version: 2
.2.9)!
=> vagrant: To upgrade visit: https://www.vagrantup.com/downloads.html
 `Vagrantfile` has been placed in this directory. You are now
ready to `vagrant up` your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
vagrantup.com` for more information on using Vagrant.
[root@localhost bill]#
sudo] password for bill:
 sshd.service - OpenSSH server daemon
  Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset>
  Active: active (running) since Fri 2021-04-30 13:10:43 EDT; 1h 7min ago
   Docs: man:sshd(8)
         man:sshd config(5)
Main PID: 21414 (sshd)
  Tasks: 1 (limit: 11248)
 Memory: 1.1M
  CGroup: /system.slice/sshd.service
          └─21414 /usr/sbin/sshd -D -oCiphers=aes256-gcm@openssh.com,chacha20->
```

pr 30 13:10:43 localhost.localdomain sshd[21414]: Server listening on 0.0.0.0 >
pr 30 13:10:43 localhost.localdomain sshd[21414]: Server listening on :: port > pr 30 13:10:43 localhost.localdomain systemd[1]: Started OpenSSH server daemon. ines 1-15/15 (END)

pr 30 13:10:43 localhost.localdomain systemd[1]: Starting OpenSSH server daemo>

```
config file = /etc/ansible/ansible.cfg
 configured module search path = ['/home/bill/.ansible/plugins/modules', '/usr/
share/ansible/plugins/modules']
 ansible python module location = /usr/lib/python3.6/site-packages/ansible
 executable location = /usr/bin/ansible
 python version = 3.6.8 (default, Aug 18 2020, 08:33:21) [GCC 8.3.1 20191121 (R
ed Hat 8.3.1-5)]
[bill@localhost ~]$ ansible --version
ansible 2.8.18
 config file = /ete/ansible/ansible.cfg
 configured module search path = ['/home/bill/.ansible/plugins/modules', '/usr/
share/ansible/plugins/modules']
 ansible python module location = /usr/lib/python3.6/site-packages/ansible
 executable location = /usr/bin/ansible
 python version = 3.6.8 (default, Aug 18 2020, 08:33:21) [GCC 8.3.1 20191121 (R
ed Hat 8.3.1-5)]
[bill@localhost ~]$
[bill@localhost ch1 ansible]$ mkdir group vars host vars
mkdir: cannot create directory 'group_vars': Permission denied mkdir: cannot create directory 'host_vars': Permission denied
[bill@localhost ch1 ansible]$ sudo mkdir group vars host vars
[sudo] password for bill:
[bill@localhost ch1 ansible]$ touch group vars/cisco.yml group vars/juniper.yml
touch: cannot touch 'group_vars/cisco.yml': Permission denied
touch: cannot touch 'group_vars/juniper.yml': Permission denied
[bill@localhost ch1 ansible]$ sudo touch group vars/cisco.yml group vars/junipe
.yml
[bill@localhost ch1_ansible]$ touch host_vars/csr1.yml host_vars/mx1.yml
touch: cannot touch 'host_vars/csrl.yml': Permission denied
touch: cannot touch 'host_vars/mxl.yml': Permission denied
-bash: host_vars/mx1.yml: Permission denied
[bill@localhost ch1 ansible]$ su root
Password:
[root@localhost ch1_ansible]# echo 'hostname: core-mx1' >> host_vars/mx1.yml
[root@localhost ch1 ansible]# echo 'hostname: core-mx2' >> host vars/mx2.yml
[root@localhost ch1_ansible]# echo 'hostname: edge-csr1' >> host_vars/csr1.yml
[root@localhost ch1 ansible]# echo 'hostname: edge-csr2' >> host vars/csr2.yml
[root@localhost ch1 ansible]# echo 'os: ios' >> group_vars/cisco.yml
[root@localhost ch1 ansible]# echo 'os: junos' >> group vars/juniper.yml
[root@localhost ch1 ansible]#
```



```
ansible_cond.yml
  Open ▼
                                                                             Save
                                                                                     \equiv
                                                                                           ×
                                          ~/ch1_ansible
- name: Using conditionals
 hosts: all
 gather_facts: no
   - name: Run for Edge nodes Only
     debug:
       msg: "Router name is {{ hostname }}"
    - name: Run for Only MX1 node
      debug:
        msg: "{{ hostname }} is running {{ os }}"
      when:
        - inventory hostname == 'mx1'
                                             YAML ▼ Tab Width: 8 ▼
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                                                                                         INS
```

```
bill@localhost:~/ch1_ansible
File Edit View Search Terminal Help
ASK [Run for Only MX1 node] ********************
LAY RECAP ***************************
                                  changed=0 🛚 unreachable=0
                                                                failed=0
          rescued=0
                       ignored=0
                                               unreachable=0
                                  changed=0
                                                                failed=0
          rescued=0
                       ignored=0
                                   changed=0
                                               unreachable=0
                                                                failed=0
ipped=0
          rescued=0
                       ignored=0
                                   changed=0
                                               unreachable=0
                                                                failed=0
          rescued=0
                       ignored=0
bill@localhost ch1_ansible]$
```

```
[bill@localhost ch1_ansible]$ sudo touch ansible_loops.yml
[sudo] password for bill:
[bill@localhost ch1_ansible]$ sudo chown bill ansible_loops.yml
[bill@localhost ch1_ansible]$ sudo chmo +wx ansible_loops.yml
sudo: chmo: command not found
[bill@localhost ch1_ansible]$ sudo chmod +wx ansible_loops.yml
[bill@localhost ch1_ansible]$ 

YAML = Tab Width: 8 = Ln 3, Col 13 = NS
```

