

1 – Red Hat OS-in sistem rollarını Ansible controllərə yükləyin.

```
[root@step ~]# sudo yum install rhel-system-roles
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
x86_64: mirror.silknet.com
```

```
(2/3): updates/7/x86_64/primary_db | 14 MB 00:00:13
(3/3): epel/x86_64/primary_db | 7.0 MB 00:00:21
Resolving Dependencies
--> Running transaction check
--> Package rhel-system-roles.noarch 0:1.0.1-4.el7_9 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
rhel-system-roles noarch 1.0.1-4.el7_9 extras 988 k
Transaction Summary
=====
Install 1 Package

Total download size: 988 k
Installed size: 4.8 M
Is this ok [y/d/N]: y
Downloading packages:
rhel-system-roles-1.0.1-4.el7_9.noarch.rpm | 988 kB 00:00:01
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : rhel-system-roles-1.0.1-4.el7_9.noarch 1/1
Verifying : rhel-system-roles-1.0.1-4.el7_9.noarch 1/1

Installed:
rhel-system-roles.noarch 0:1.0.1-4.el7_9

Complete!
[root@step ~]#
```

2 – Yüklədikdən sonra ansible-galaxy komandası vasitəsilə rolların siyahısını ekrana çıxarın.

```
[root@step ~]# ansible-galaxy list_
```

```

- linux-system-roles.certificate, (unknown version)
- linux-system-roles.crypto_policies, (unknown version)
- linux-system-roles.ha_cluster, (unknown version)
- linux-system-roles.kdump, (unknown version)
- linux-system-roles.kernel_settings, (unknown version)
- linux-system-roles.logging, (unknown version)
- linux-system-roles.metrics, (unknown version)
- linux-system-roles.nbde_client, (unknown version)
- linux-system-roles.nbde_server, (unknown version)
- linux-system-roles.network, (unknown version)
- linux-system-roles.postfix, (unknown version)
- linux-system-roles.selinux, (unknown version)
- linux-system-roles.ssh, (unknown version)
- linux-system-roles.sshd, (unknown version)
- linux-system-roles.storage, (unknown version)
- linux-system-roles.timesync, (unknown version)
- linux-system-roles.tlog, (unknown version)
- rhel-system-roles.certificate, (unknown version)
- rhel-system-roles.crypto_policies, (unknown version)
- rhel-system-roles.ha_cluster, (unknown version)
- rhel-system-roles.kdump, (unknown version)
- rhel-system-roles.kernel_settings, (unknown version)
- rhel-system-roles.logging, (unknown version)
- rhel-system-roles.metrics, (unknown version)
- rhel-system-roles.nbde_client, (unknown version)
- rhel-system-roles.nbde_server, (unknown version)
- rhel-system-roles.network, (unknown version)
- rhel-system-roles.postfix, (unknown version)
- rhel-system-roles.selinux, (unknown version)
- rhel-system-roles.ssh, (unknown version)
- rhel-system-roles.sshd, (unknown version)
- rhel-system-roles.storage, (unknown version)
- rhel-system-roles.timesync, (unknown version)
- rhel-system-roles.tlog, (unknown version)
# /etc/ansible/roles

```

3– Sistem rolları içərisindən timesync rolunu istifadə edərək group2 qrupunun üzvləri üçün ntp konfigurasiya edəcək ntp_config.yml playbookunu yaradın.

```

[root@step ~]# vim ntp_config.yml_

```

```

- hosts: group2
  vars:
    timesync_ntp_servers:
      - hostname: pool.ntp.org
        iburst: yes
        timezone: Asia/Baku
  roles:
    - rhel-system-roles.timesync
  tasks:
    - name: set timezone
      timezone:
        name: "{{ timezone }}"

```

4 – Ansible-da motd role strukturunu formalaşdırın.

```
[root@step ~]# mkdir roles

[root@step ~]# ansible-galaxy init motd
- Role motd was created successfully
[root@step ~]# _
```

5 – geerlingguy.docker role-nun 4.6.1 versiyasını Ansible serverə yükləyin.

```
[root@step ~]# cat docker.yml
---
- src: geerlingguy.docker
  version: "4.1.3"
[root@step ~]# _

[root@step ~]# ansible-galaxy install -r docker.yml
- downloading role 'docker', owned by geerlingguy
- downloading role from https://github.com/geerlingguy/ansible-role-docker/archive/4.1.3.tar.gz
- extracting geerlingguy.docker to /root/.ansible/roles/geerlingguy.docker
- geerlingguy.docker (4.1.3) was installed successfully
[root@step ~]# _
```

6– Həmin role vasitəsilə group1 qrupuna docker yükləyin.

```
installdocker.yml - (new) 327 lines written
[root@step ~]# vim installdocker.yml
```

```
---
- name: install docker using (samsung) galaxy role
  hosts: group1
  roles:
    - geerlingguy.docker
~
~
~
~
```