

```
root@localhost/task10
File Edit View Search Terminal Help

[root@localhost task10]# ansible-playbook preq.yml

PLAY [all] *****
TASK [Gathering Facts] *****
ok: [192.168.0.108]
TASK [copy] *****
ok: [192.168.0.108]
TASK [package] *****
ok: [192.168.0.108]
TASK [service] *****
changed: [192.168.0.108]
TASK [pip] *****
changed: [192.168.0.108]
TASK [pull the docker images] *****
changed: [192.168.0.108]
PLAY RECAP *****
192.168.0.108 : ok=6 changed=3 unreachable=0 failed=0 skipped=
0 rescued=0 ignored=0
[root@localhost task10]#
```

Pulling docker image httpd:

```
Activities Terminal Mon 19:31
root@localhost/task10
File Edit View Search Terminal Help

- hosts: all
  tasks:
    - copy:
        dest: "/etc/yum.repos.d/dock.repo"
        src: "docker.repo"

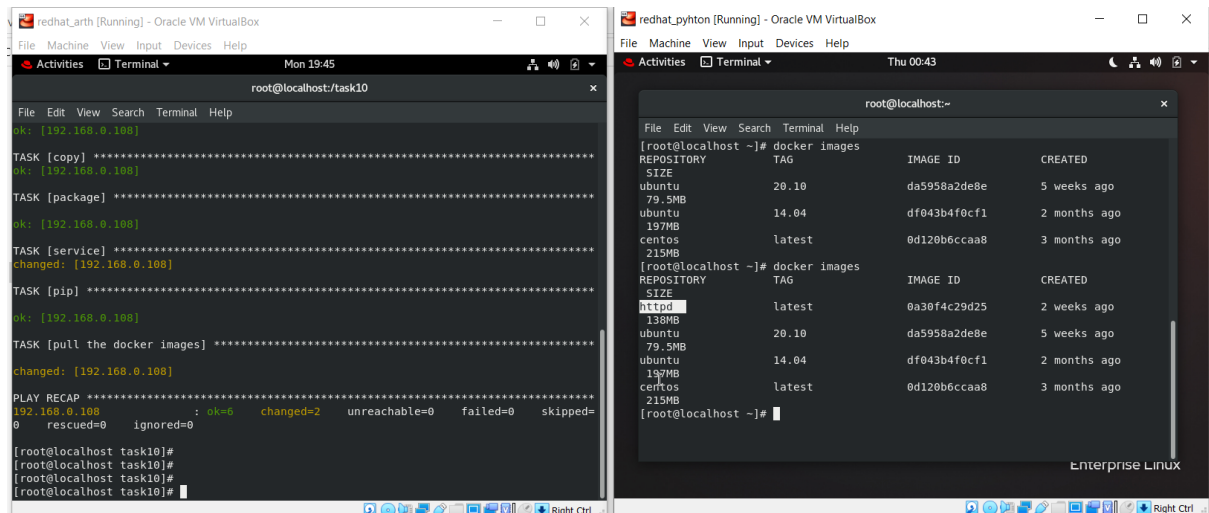
    - package:
        name: "docker-ce-19.09.1-3.el7.x86_64"
        state: present

    - service:
        name: "docker"
        state: restarted
        enabled: yes

    - pip:
        name: docker

    - name: " pull the docker images"
      docker_image:
        name: "httpd"
        source: pull

-- INSERT -- 2,9 All
```



```

TASK [pull the docker images] *****
changed: [192.168.0.108]

PLAY RECAP *****
192.168.0.108      : ok=6   changed=2   unreachable=0   failed=0   skipped=
0      rescued=0   ignored=0

```

Adding the firewall and copying the html code:

```

- name: "exposing the docker container to public"
  community.general.docker_container:
    name: "myserver"
    image: "httpd"
    state: started
    exposed_ports:
      - "80"
    ports:
      - "4567:80"

- name: "allowance to new ports"
  firewallld:
    port: "4567/tcp"
    state: enabled
    permanent: yes
    immediate: yes

- name: "allowance for new ports"
  firewallld:
    port: "80/tcp"
    state: enabled
    permanent: yes
    immediate: yes

```

```

- copy:
  dest: "/var/www/html"
  src: "task10.html"

```

```
root@localhost:/task10
TASK [service] *****
changed: [192.168.0.108]

TASK [pip] *****
ok: [192.168.0.108]

TASK [pull the docker images] *****
ok: [192.168.0.108]

TASK [exposing the docker container to public] *****
[DEPRECATION WARNING]: The container_default_behavior option will change its default
value from "compatibility" to "no_defaults" in community.general 3.0.0. To remove this
warning, please specify an explicit value for it now. This feature will be removed
from community.general in version 3.0.0. Deprecation warnings can be disabled by
setting deprecation_warnings=False in ansible.cfg.
changed: [192.168.0.108]

TASK [allowance to new ports] *****
changed: [192.168.0.108]

TASK [allowance for new ports] *****
ok: [192.168.0.108]

PLAY RECAP *****
192.168.0.108 : ok=9 changed=3 unreachable=0 failed=0 skipped=
0 rescued=0 ignored=0

[root@localhost task10]#
```

```
root@localhost:~
File Edit View Search Terminal Help
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
PID/Program name
tcp 0 0 192.168.122.1:53 0.0.0.0:* LISTEN
2064/dnsmasq
tcp 0 0 0.0.0.0:22 0.0.0.0:* LISTEN
935/sshd
tcp 0 0 127.0.0.1:631 0.0.0.0:* LISTEN
943/cupsd
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN
1/systemd
935/sshd
tcp6 0 0 :::22 :::* LISTEN
tcp6 0 0 :::4567 :::* LISTEN
16982/docker-proxy
tcp6 0 0 :::631 :::* LISTEN
943/cupsd
tcp6 0 0 :::111 :::* LISTEN
1/systemd
tcp6 0 0 :::8080 :::* LISTEN
939/httpd
tcp6 0 0 :::80 :::* LISTEN
939/httpd
[root@localhost ~]#
```

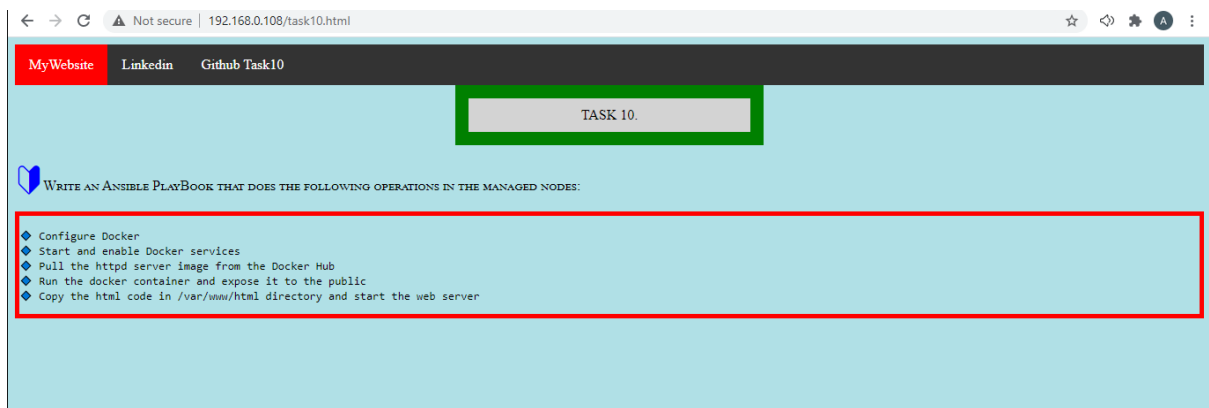
```
TASK [exposing the docker container to public] *****
[DEPRECATION WARNING]: The container_default_behavior option will change its default
value from "compatibility" to "no_defaults" in community.general 3.0.0. To remove this
warning, please specify an explicit value for it now. This feature will be removed
from community.general in version 3.0.0. Deprecation warnings can be disabled by
setting deprecation_warnings=False in ansible.cfg.
changed: [192.168.0.108]

TASK [allowance to new ports] *****
changed: [192.168.0.108]

TASK [allowance for new ports] *****
ok: [192.168.0.108]

PLAY RECAP *****
192.168.0.108 : ok=9 changed=3 unreachable=0 failed=0 skipped=
0 rescued=0 ignored=0
```

Checking on browser:



Running well: