

# Restart based on load (nginx)

```
[root@man3 ~]#  
[root@man3 ~]# uptime  
22:34:28 up 48 min, 1 user, load average: 0.00, 0.00, 0.00
```

0 1

```
---  
- name: Restart based on load (nginx)  
  hosts: all  
  become: yes  
  vars:  
    threshold: 2  
  tasks:  
    - name: ensure that nginx installed if not install it  
      yum:  
        name: nginx  
        state: present  
  
    - name: check system load  
      command: uptime  
      register: load_value  
  
    - name: extract the value of load  
      set_fact:  
        real_load_value: "{{ load_value.stdout.split('load average:')[1].split(',')[0] | float }}"  
        # set_fact module in Ansible is used to define new variables or overwrite existing ones within the pl  
aybook  
  
    - name: restart nginx if it exceed the threshold  
      service:  
        name: nginx  
        state: restarted  
  
  when: real_load_value | float > threshold
```

```
[root@control adhamplaybooks]# vim restart_load_nginx.yml  
[root@control adhamplaybooks]# ansible-playbook restart_load_nginx.yml --syntax-check  
playbook: restart_load_nginx.yml  
[root@control adhamplaybooks]# ansible-playbook restart_load_nginx.yml  
  
PLAY [Restart based on load (nginx)] *****  
  
TASK [Gathering Facts] *****  
ok: [192.168.1.100] (0.00s)  
ok: [192.168.1.101] (0.00s)  
  
TASK [ensure that nginx installed if not install it] *****  
ok: [192.168.1.100] (0.00s)  
ok: [192.168.1.101] (0.00s)  
  
TASK [check system load] *****  
changed: [192.168.1.100] (0.00s)  
changed: [192.168.1.101] (0.00s)  
  
TASK [extract the value of load] *****  
ok: [192.168.1.100] (0.00s)  
ok: [192.168.1.101] (0.00s)  
  
TASK [restart nginx if it exceed the threshold] *****  
skipping: [192.168.1.100] (0.00s)  
skipping: [192.168.1.101] (0.00s)  
  
PLAY RECAP *****  
192.168.1.100 : ok=4 changed=1 unreachable=0 failed=0 skipped=1 rescued=0 igno  
red=0  
192.168.1.101 : ok=4 changed=1 unreachable=0 failed=0 skipped=1 rescued=0 igno  
red=0  
Go to Settings to activate Windows.
```