

# logs rotation (logrotate)

```
--
- name: logs rotation in managed nodes
  hosts: all
  become: yes
  tasks:
    - name: install logrotate
      yum:
        name: logrotate
        state: present

    - name: make configuration of logrotate
      copy:
        dest: /etc/logrotate.d/system_logs
        content: |
          /var/log/messages {
            daily
            rotate 7
            compress
            missingok
            notifempty
          }
          /var/log/secure {
            daily
            rotate 7
            compress
            missingok
            notifempty
          }
```

#copy module in Ansible cannot copy directories

#/var/log/messages:This is the default system log file where general system messages are stored.  
#/var/log/secure:This log file contains security-related messages, such as authentication attempts.

#daily:Specifies that the logs should be rotated daily.Log rotation frequency can also be set to weekly or monthly based on requirements.

#rotate 7:Keeps the last 7 rotated log files.Older files beyond this number are deleted automatically.

#compress:Compresses the rotated log files to save disk space.Compressed files typically have extensions like .gz.

#missingok:If the specified log file is missing, logrotate skips the rotation process for that file without raising an error.

#notifempty: Prevents rotation of empty log files.This avoids unnecessary creation of rotated files if the original file contains no data

#

```

[root@control adhampplaybooks]# vim log-rotation.yml
[root@control adhampplaybooks]# ansible-playbook log-rotation.yml --syntax-check

playbook: log-rotation.yml
[root@control adhampplaybooks]# ansible-playbook log-rotation.yml

PLAY [logs rotation in managed nodes] *****

TASK [Gathering Facts] *****
ok: [192.168.1.100]
ok: [192.168.1.101]

TASK [install logrotate] *****
ok: [192.168.1.100]
ok: [192.168.1.101]

TASK [make configuration of logrotate] *****
changed: [192.168.1.100]
changed: [192.168.1.101]

PLAY RECAP *****
192.168.1.100 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignore=0
192.168.1.101 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignore=0

```

```

[root@man3 logrotate.d]# cat /etc/logrotate.d/system_logs
/var/log/messages {
    daily
    rotate 7
    compress
    missingok
    notifempty
}
/var/log/secure {
    daily
    rotate 7
    compress
    missingok
    notifempty
}

```

```

[root@man4 bkp]# cat /etc/logrotate.d/system_logs
/var/log/messages {
    daily
    rotate 7
    compress
    missingok
    notifempty
}
/var/log/secure {
    daily
    rotate 7
    compress
    missingok
    notifempty
}

```

```
[root@man3 /]# sudo logrotate -f /etc/logrotate.d/system_logs
[root@man3 /]# ls -lh /var/log | grep ".gz"
-rw-----. 1 root  root   38K Dec  2 20:29 messages.1.gz
-rw-----. 1 root  root   9.9K Dec  2 20:04 secure.1.gz
[root@man3 /]# █
```

```
[root@man4 /]# ls -lh /var/log | grep ".gz"
-rw-----. 1 root  root   38K Dec  2 20:29 messages.1.gz
-rw-----. 1 root  root   9.6K Dec  2 20:04 secure.1.gz
[root@man4 /]# █
```