

```
joe@logger:~$ ls /etc/logrotate.d/
```

```
alternatives apt dpkg rsyslog.disabled syslog-ng ufw
```

```
joe@logger:~$ echo "Creating a definition for new logs to be rotated"
```

```
Creating a definition for new logs to be rotated
```

```
joe@logger:~$ sudo vi mylogs
```



```
/var/log/ns1/*.log
```

```
{
```

```
    #how many days to keep  
    rotate 4  
    #logfiles rotated every day  
    daily  
    #dont worry if logfile isnt found  
    missingok  
    #rotate even if empy  
    ifempty  
    #dont compress the first backup  
    delaycompress  
    #compress with gzip  
    compress
```

```
}
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```
"mylogs" [New] 15L, 249C written
```

```
15,1
```

```
All
```

```
joe@logger:~$ echo "we can do a manual logrotate"
```

```
we can do a manual logrotate
```

```
joe@logger:~$ ls /var/log/ns1/
```

```
2019-01-07.ns1.log
```

```
joe@logger:~$ sudo logrotate -df mylogs
```

```
reading config file mylogs
```

```
Reading state from file: /var/lib/logrotate/status
```

```
Allocating hash table for state file, size 64 entries
```

```
Creating new state
```

```
Creating new state
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Creating new state
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Creating new state
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Creating new state
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Creating new state
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Creating new state
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Creating new state
Creating new state
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```
Handling 1 logs
```

```
rotating pattern: /var/log/ns1/*.log
```

```
forced from command line (4 rotations)
```

```
empty log files are rotated, old logs are removed
```

```
considering log /var/log/ns1/2019-01-07.ns1.log
```

```
Creating new state
```

```
Now: 2019-01-07 10:33
```

```
Last rotated at 2019-01-07 10:00
```

```
log needs rotating
```

```
rotating log /var/log/ns1/2019-01-07.ns1.log, log->rotateCount is 4
```

```
dateext suffix '-20190107'
```

```
glob pattern '-[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]'
```

```
previous log /var/log/ns1/2019-01-07.ns1.log.1 does not exist
```

```
renaming /var/log/ns1/2019-01-07.ns1.log.4.gz to /var/log/ns1/2019-01-07.ns1.log.5.gz (rot
atecount 4, logstart 1, i 4),
```

```
renaming /var/log/ns1/2019-01-07.ns1.log.3.gz to /var/log/ns1/2019-01-07.ns1.log.4.gz (rot
atecount 4, logstart 1, i 3),
```

```
renaming /var/log/ns1/2019-01-07.ns1.log.2.gz to /var/log/ns1/2019-01-07.ns1.log.3.gz (rot
atecount 4, logstart 1, i 2),
```

```
renaming /var/log/ns1/2019-01-07.ns1.log.1.gz to /var/log/ns1/2019-01-07.ns1.log.2.gz (rot
atecount 4, logstart 1, i 1),
```

```
renaming /var/log/ns1/2019-01-07.ns1.log.0.gz to /var/log/ns1/2019-01-07.ns1.log.1.gz (rot
atecount 4, logstart 1, i 0),
```

```
log /var/log/ns1/2019-01-07.ns1.log.5.gz doesn't exist -- won't try to dispose of it
```

```
renaming /var/log/ns1/2019-01-07.ns1.log to /var/log/ns1/2019-01-07.ns1.log.1
```

```
joe@logger:~$
```

```
joe@logger:~$ ls /var/log/ns1/
```

```
2019-01-07.ns1.log
```

```
joe@logger:~$ man logrotate
```

```
joe@logger:~$ echo "Check out the man page"
```

```
Check out the man page
```

```
joe@logger:~$ echo "It didn't actually make any changes since we ran in debug mode"
```

```
It didn't actually make any changes since we ran in debug mode
```

```
joe@logger:~$ █
```

```
joe@logger:~$ echo "try for realz"
```

```
try for realz
```

```
joe@logger:~$ sudo logrotate -f mylogs
```

```
joe@logger:~$ ls -l /var/log/ns1/
```

```
total 4
```

```
-rw-rw-r-- 1 root root 584 Jan  7 10:19 2019-01-07.ns1.log.1
```

```
joe@logger:~$ echo "yes. it changed"
```

```
yes. it changed
```

```
joe@logger:~$ echo "try again?"
```

```
try again?
```

```
joe@logger:~$ sudo logrotate -f mylogs
```

```
joe@logger:~$ ls -l /var/log/ns1/
```

```
total 4
```

```
-rw-rw-r-- 1 root root 584 Jan  7 10:19 2019-01-07.ns1.log.1
```

```
joe@logger:~$ echo "there was nothing to do"
```

```
there was nothing to do
```

```
joe@logger:~$ ls -l /var/log/ns1/
```

```
total 8
```

```
-rw-rw-r-- 1 root root  83 Jan  7 10:35 2019-01-07.ns1.log
```

```
-rw-rw-r-- 1 root root 584 Jan  7 10:19 2019-01-07.ns1.log.1
```

```
joe@logger:~$ sudo logrotate -f mylogs
```

```
joe@logger:~$ ls -l /var/log/ns1/
```

```
total 8
```

```
-rw-rw-r-- 1 root root  83 Jan  7 10:35 2019-01-07.ns1.log.1
```

```
-rw-rw-r-- 1 root root 287 Jan  7 10:19 2019-01-07.ns1.log.2.gz
```

```
joe@logger:~$ echo "I went and put something back in that log file(from the client)"
```

```
I went and put something back in that log file(from the client)
```

```
joe@logger:~$ echo "Appears to be working"
```

```
Appears to be working
```

```
joe@logger:~$
```