

```
[root@localhost Desktop]# cd
[root@localhost ~]# crontab -l
no crontab for root
[root@localhost ~]# crontab -l -u luffy
```

User account has expired

You (luffy) are not allowed to access to (crontab) because of pam configuration.

```
[root@localhost ~]# chage -l luffy
```

```
Last password change          : May 30,
2023
Password expires              : Jun 09,
2023
Password inactive             : never
Account expires               :
May 30, 2023
Minimum number of days between password change : 3
Maximum number of days between password change : 10
Number of days of warning before password expires : 5
```

```
[root@localhost ~]# chage -E 2023-11-30 luffy
```

```
[root@localhost ~]# chage -l luffy
```

```
Last password change          : May 30,
2023
Password expires              : Jun 09,
2023
Password inactive             : never
Account expires               :
Nov 30, 2023
Minimum number of days between password change : 3
Maximum number of days between password change : 10
Number of days of warning before password expires : 5
```

```
[root@localhost ~]# crontab -u luffy -l
15 10 * * * mkdir/sanji
```

```
[root@localhost ~]# vi /etc/cron.allow
```

```
[root@localhost ~]# crontab -u luffy -l
15 10 * * * mkdir/sanji
```

```
[root@localhost ~]# vi /etc/cron.allow
```

```
[root@localhost ~]# su - luffy
```

```
[luffy@localhost ~]$ crontab -l
```

You (luffy) are not allowed to use this program (crontab)

See crontab(1) for more information

```
[luffy@localhost ~]$ su
```

Password:

```
[root@localhost luffy]# cd
```

```
[root@localhost ~]# vi /etc/cron.allow
```

```
[root@localhost ~]# su - luffy
```

```
[luffy@localhost ~]$ crontab -l
```

```
15 10 * * * mkdir/sanji
```

```
[luffy@localhost ~]$ crontab -r
```

```
[luffy@localhost ~]$ crontab -l
```

no crontab for luffy

```
[luffy@localhost ~]$ su
```

Password:

su: incorrect password

```
[luffy@localhost ~]$ ls
```

```
Desktop    Downloads  Pictures   Templates  Videos
Documents  Music      Public     vachinda
```

```
[luffy@localhost ~]$ crontab -e
no crontab for luffy - using an empty one
crontab: installing new crontab
[luffy@localhost ~]$ crontab -l
49 9 * * * touch lufyy1
[luffy@localhost ~]$ date
Tue May 30 09:48:13 PDT 2023
[luffy@localhost ~]$ ls
Desktop      Downloads  Pictures   Templates  Videos
Documents    Music      Public     vachinda
[luffy@localhost ~]$ crontab -l
49 9 * * * touch lufyy1
[luffy@localhost ~]$ ls
Desktop      Downloads  Pictures   Templates  Videos
Documents    Music      Public     vachinda
```

```
[luffy@localhost ~]$ ls -lrt
total 36
drwxr-xr-x. 2 luffy luffy 4096 May 27 08:01 vachinda
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Templates
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Public
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Pictures
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Music
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Downloads
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Documents
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Desktop
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Videos
[luffy@localhost ~]$ crontab -l
49 9 * * * touch lufyy1
```

```
[luffy@localhost ~]$ su -
Password:
[root@localhost ~]# crontab -l
no crontab for root
[root@localhost ~]# crontab -e
no crontab for root - using an empty one
crontab: installing new crontab
[root@localhost ~]# crontab -l
53 9 * * * touch thumb
[root@localhost ~]# ls -lrt
total 116
-rw-r--r--. 1 root root 9380 May 21 07:47 install.log.syslog
-rw-r--r--. 1 root root 42888 May 21 07:50 install.log
-rw-----. 1 root root 3304 May 21 07:50 anaconda-ks.cfg
drwxr-xr-x. 2 root root 4096 May 23 12:06 Videos
drwxr-xr-x. 2 root root 4096 May 23 12:06 Templates
drwxr-xr-x. 2 root root 4096 May 23 12:06 Public
drwxr-xr-x. 2 root root 4096 May 23 12:06 Pictures
drwxr-xr-x. 2 root root 4096 May 23 12:06 Music
drwxr-xr-x. 2 root root 4096 May 23 12:06 Downloads
drwxr-xr-x. 2 root root 4096 May 23 12:06 Documents
drwsrwsr-t+ 2 root root 4096 May 27 08:11 spl
drwxr-xr-x. 2 root root 4096 May 29 04:15 Desktop
drwxr-xr-x. 2 root root 4096 May 30 09:18 akanda
drwxr-xr-x. 2 root root 4096 May 30 09:23 naru
drwxr-xr-x. 2 root root 4096 May 30 09:27 ghost
[root@localhost ~]# crontab -e
crontab: installing new crontab
```

```
[root@localhost ~]# crontab -l
55 9 * * * touch thumb
```

```
[root@localhost ~]# service crond status
crond dead but pid file exists
```

```
[root@localhost ~]# service crond restart
Starting crond:
```

[OK]

```
[root@localhost ~]# crontab -e
crontab: installing new crontab
```

```
[root@localhost ~]# crontab -l
57 9 * * * touch thumb
```

```
[root@localhost ~]# ls -lrt
total 116
-rw-r--r--. 1 root root 9380 May 21 07:47 install.log.syslog
-rw-r--r--. 1 root root 42888 May 21 07:50 install.log
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drwxr-xr-x. 2 root root 4096 May 23 12:06 Videos
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drwxr-xr-x. 2 root root 4096 May 30 09:27 ghost
```

```
[root@localhost ~]# crontab -e
crontab: installing new crontab
```

```
[root@localhost ~]# crontab -l
58 * * * * touch mm
```

```
[root@localhost ~]# ls -lrt
total 116
-rw-r--r--. 1 root root 9380 May 21 07:47 install.log.syslog
-rw-r--r--. 1 root root 42888 May 21 07:50 install.log
-rw-----. 1 root root 3304 May 21 07:50 anaconda-ks.cfg
drwxr-xr-x. 2 root root 4096 May 23 12:06 Videos
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drwxr-xr-x. 2 root root 4096 May 29 04:15 Desktop
drwxr-xr-x. 2 root root 4096 May 30 09:18 akanda
drwxr-xr-x. 2 root root 4096 May 30 09:23 naru
drwxr-xr-x. 2 root root 4096 May 30 09:27 ghost
-rw-r--r--. 1 root root 0 May 30 09:57 thumb
-rw-r--r--. 1 root root 0 May 30 09:58 mm
```

```
[root@localhost ~]# su - luffy
[luffy@localhost ~]$ service crond status
crond (pid 4274) is running...
[luffy@localhost ~]$ service crond restart
User has insufficient privilege.
[luffy@localhost ~]$ crontab -l
```

```

51      9      *      *      *      mkdir lufyy1
[luffy@localhost ~]$ crontab -e
crontab: installing new crontab
[luffy@localhost ~]$ crontab -l
01      10      *      *      *      touch lufyy1
[luffy@localhost ~]$ su
Password:
[root@localhost luffy]# cd
[root@localhost ~]# crontab -u luffy -l
01      10      *      *      *      touch lufyy1
[root@localhost ~]# rm -rf thumb mm
[root@localhost ~]# ls -lrt
total 116
-rw-r--r--. 1 root root 9380 May 21 07:47 install.log.syslog
-rw-r--r--. 1 root root 42888 May 21 07:50 install.log
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drwxr-xr-x. 2 root root 4096 May 23 12:06 Music
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drwxr-xr-x. 2 root root 4096 May 30 09:18 akanda
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drwxr-xr-x. 2 root root 4096 May 30 09:27 ghost
[root@localhost ~]# su - luffy
[luffy@localhost ~]$ ls -lrt
total 36
drwxr-xr-x. 2 luffy luffy 4096 May 27 08:01 vachinda
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drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Pictures
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Music
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Downloads
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Documents
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Desktop
drwxr-xr-x. 2 luffy luffy 4096 May 29 08:29 Videos
-rw-r--r--. 1 luffy luffy 0 May 30 10:01 lufyy1
[luffy@localhost ~]$ at now
at> ^Z
[1]+  Stopped                  at now
[luffy@localhost ~]$ at 10:03
at> mkdir luffy2<EOT>
job 9 at 2023-05-30 10:03
[luffy@localhost ~]$ at -l
8      2023-05-30 10:01 a luffy
9      2023-05-30 10:03 a luffy
[luffy@localhost ~]$ ls
Desktop      Downloads  lufyy1  Pictures  Templates  Videos
Documents    luffy2    Music   Public    vachinda
[luffy@localhost ~]$ at -l
8      2023-05-30 10:01 a luffy
[luffy@localhost ~]$ atrm 8
[luffy@localhost ~]$ at -l
[luffy@localhost ~]$ su

```

Password:

```
[root@localhost luffy]# c
```

bash: c: command not found

```
[root@localhost luffy]# cd
```

```
[root@localhost ~]# vi /etc/at.allow
```

```
[root@localhost ~]# su - luffy
```

```
[luffy@localhost ~]$ at 10:7
```

You do not have permission to use at.

```
[luffy@localhost ~]$ su
```

Password:

```
[root@localhost luffy]# cd
```

```
[root@localhost ~]#
```