

## Cron Jobs - Schedule Commands with Crontab

```
coreyschafer at Coreys-iMac in ~  
$ crontab -l  
crontab: no crontab for coreyschafer  
  
coreyschafer at Coreys-iMac in ~  
$ crontab -e
```

- `crontab -l` ( lists all current cronjobs)
- `crontab -e` (allows you edit list of jobs)
- `crontab -r` (removes all cronjobs once in the list)
- `Esc + :wq` (escapes from the edit section, write and quotes to cron)
- - should say “crontab: installing new crontab”
- Press `I` after edit mode in order to insert something.

```
coreyschafer at Coreys-iMac in ~  
$ crontab -l  
# _____ minute (0 - 59)  
# |_____ hour (0 - 23)  
# | |_____ day of month (1 - 31)  
# | | |_____ month (1 - 12)  
# | | | |_____ day of week (0 - 6) (Sunday to Saturday;  
# | | | | | 7 is also Sunday on some systems)  
# | | | | |  
# * * * * * command_to_execute  
* * * * * echo 'Hello' >> /tmp/test.txt  
coreyschafer at Coreys-iMac in ~  
$
```

- \* for all 5 values says that we want to run the cron job every second of every day.

```
30 5 * * * echo 'Hello' >> /tmp/test.txt
```

- Run the command at 5:30 every single day

```
0 0 * * 1 echo 'Hello' >> /tmp/test.txt
```

- Run the command at midnight every monday.

```
* * 1,15 * * echo 'Hello' >> /tmp/test.txt
```

- A common misconception here is that the command will run once on the 1st, and the 15th below, however you must state a specific time or else it will run for every minute of every hour in the code above.

```
0 0 1,15 * * echo 'Hello' >> /tmp/test.txt
```

## INTERVALS

```
*/5 * * * * echo 'Hello' >> /tmp/test.txt
```

```
0 0 */3 * * echo 'Hello' >> /tmp/test.txt
```

- First states to run every 5 minutes , the second state to run every 3 days.

## RANGES

```
0 0-5 * * * echo 'Hello' >> /tmp/test.txt
```

- Run every hour from 0-5 everyday.

```
0 12 * 5-8 * echo 'Hello' >> /tmp/test.txt
```

- Run at noon, for every day , May to August

```
*/30 9-17 * * 1-5 echo 'Hello' >> /tmp/test.txt
```

- Run every 30 minutes, Monday Through Friday, 9 to 5
- Type `:wq` to save and quit the file. `w` means to write and `q` means quit.

Website for cron references.

[Crontab.guru](http://crontab.guru)