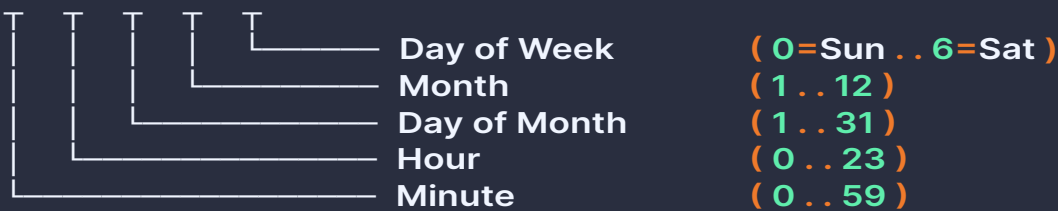


Linux Cron cheatsheet

Format

Min Hour Day Mon Weekday

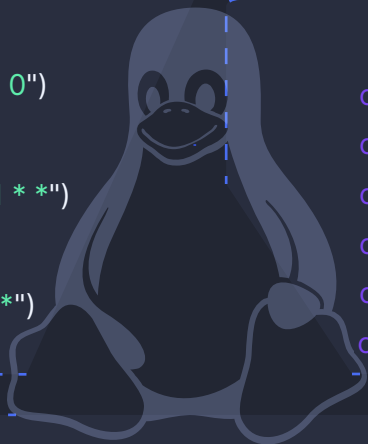
* * * * * script/command to be executed



- Minutes** 0 .. 59 the command/script would be executed at the specified minute.
- Hours** 0 .. 23 the command/script would be executed at the specified hour.
- Days** 1 .. 31 the days of the months in which the script or command would be executed.
- Months** 1 .. 12 the month in which the script would be executed.
- Weekdays** 0 .. 6 the days of the week in which the script gets executed. 0 is Sunday.

Special strings

- @reboot** command will be executed once at system startup (non-standard).
- @hourly** command will be executed once an hour, same as ("0 * * * *") but non-standard.
- @daily** command will be executed once each day, same as ("0 0 * * *") but non-standard.
- @midnight** same as @daily but also non-standard.
- @weekly** command will be executed once every week, same as ("0 0 * * 0") but non-standard.
- @monthly** command will be executed once every month, same as ("0 0 1 * *") but non-standard.
- @yearly** command will be executed once every year, same as ("0 0 1 1 *") but non-standard.



Examples

- 0 * * * * /opt/backup.sh perform a system backup every hour.
- * /7 * * * * /opt/ping.sh check if the remote server is online every 7 minutes.
- 0 * /6 * * * /opt/emptytrash.sh empty trush every 6 hours.
- 20 14 * * * /opt/upgrade upgrade the system at 14:20 PM of every day.
- 5 9 * 4 * /opt/upgrade upgrade the system at 09:05 AM in April.
- 20 14 * * ? /opt/update.sh update system At 14:20 PM of every day.
- 6 11 * * 3 /opt/upgrade.sh upgrade the system at 11:06 AM of every Wednesday.
- 0 22 * * 1-5 /opt/upgrade.sh upgrade the system at 22:00 PM on every day-of-week from Monday through Friday.
- 0 0 * * 2 /opt/upgrade.sh upgrade the system at midnight (00:00) of ever Tuesday.
- 10 8 * * 4L /opt/monitor.sh monitor the system at 08:10 AM on the last Thursday of every month.
- 15 0 * * 4#2 /opt/upgrade upgrade the system at at 00:15 AM on the second Thursday of every month.
- 0 0 0 1 * * /opt/backup.sh perform a sys backup every 1st of month (monthly).
- 0 0 0 1 1 * /opt/backup.sh perform a sys backup every 1st of january (yearly).
- 5 12 * * 6 /opt/emptytrash.sh clears the trush at 12:05 PM on Sunday.
- @reboot /opt/backup.sh perform a system backup at reboot.

Crontab

- crontab -e** Edit or create a crontab file if doesn't already exist.
- crontab -l** Display the crontab file.
- crontab -r** Remove the crontab file.
- crontab -u username -l** Display another user's crontab file.
- crontab -u username -e** Edit another user's crontab file.
- crontab -v** Display the last time you edited your crontab file.

Special characters

- Asterik (*)** this operator is used to represent all potential values in a field. Write an asterisk "*" in the Minute column, for example, if you want your cron job to execute every minute.
- Hyphen (-)** to determine a range of values, use this operator. For example, if you want to set up a cron job from Monday through Friday, simply write 1-5 in the weekday column.
- Slash (/)** to split a value, use this operator. For instance, if you want a script to run every 6 hours, enter */6 in the Hour field.
- Comma (,)** to list numerous values, use this operator. Writing 1,5 in the Day of the week field, for example, will schedule the task to be executed every Monday and Friday.
- Last (L)** this operator can be used in the month and weekday fields. Writing 6L in the day-of-week field, for example, signifies the last Saturday of the month.
- Weekday (W)** this operator is used to get the closest weekday from a given time. If the 1st of the month is a Saturday, for example, entering 1W in the day-of-month field will execute the command on the following Monday (the 3rd).
- Hash (#)** it is only permitted for the Day Of Week field, which must be followed by a number between 1 and 5. For instance, 5#2 denotes "the second Friday" of a given month.
- Question mark (?)** can be used instead of '*' in the Day of Month and Day of Week fields. Use this operator to enter "no specified value" for the "day of the month" and "day of the week" fields.