

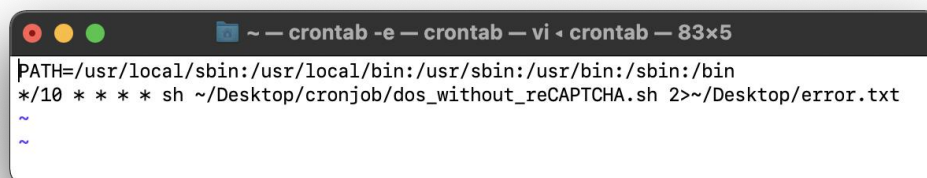
Configure Crontab Job to conduct DOS attack on Online Jukebox

Step1: Start python server.



```
~/Desktop/cronjob — python3 -m http.server --cgi — pyt...
[→ ~ pwd
/Users/xio
[→ ~ cd Desktop
[→ Desktop cd cronjob
[→ cronjob python3 -m http.server --cgi
Serving HTTP on :: port 8000 (http://[::]:8000/) ...
|
```

Step2: Open a new terminal, type “crontab -e”, add this to schedule a cron job.



```
~ — crontab -e — crontab — vi — crontab — 83x5
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
*/10 * * * * sh ~/Desktop/cronjob/dos_without_reCAPTCHA.sh 2>~/Desktop/error.txt
~
~
```

Step3: Save it, and type”crontab -l” you will see what jobs do you have now.

```
~ — xio@Weijians-MacBook-Pro — — -zsh — 84x14
crontab: no changes made to crontab
[→ ~ crontab -l
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
*/10 * * * * sh ~/Desktop/cronjob/dos_without_reCAPTCHA.sh 2>~/Desktop/error.txt
[→ ~ |
```

In my case, this cron job will run every 10 mins every day.

Step4: Let's check output file: error.txt

```
error.txt Open with TextEdit
—2020-11-23 22:50:18— http://127.0.0.1:8000/cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111
Connecting to 127.0.0.1:8000... connected.
HTTP request sent, awaiting response... 200 Script output follows
Length: unspecified [text/html]
Saving to: 'without_reCAPTCHA.py?song=Song_1&cc_number=111111111'

0K 12.4M=0s

2020-11-23 22:50:19 (12.4 MB/s) - 'without_reCAPTCHA.py?song=Song_1&cc_number=111111111' saved [143]

—2020-11-23 22:50:42— http://127.0.0.1:8000/cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222
Connecting to 127.0.0.1:8000... connected.
HTTP request sent, awaiting response... 200 Script output follows
Length: unspecified [text/html]
Saving to: 'without_reCAPTCHA.py?song=Song_2&cc_number=222222222'

0K 22.7M=0s

2020-11-23 22:50:42 (22.7 MB/s) - 'without_reCAPTCHA.py?song=Song_2&cc_number=222222222' saved [143]

—2020-11-23 22:51:02— http://127.0.0.1:8000/cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333
Connecting to 127.0.0.1:8000... connected.
HTTP request sent, awaiting response... 200 Script output follows
Length: unspecified [text/html]
Saving to: 'without_reCAPTCHA.py?song=Song_3&cc_number=333333333'

0K 9.74M=0s

2020-11-23 22:51:02 (9.74 MB/s) - 'without_reCAPTCHA.py?song=Song_3&cc_number=333333333' saved [143]

—2020-11-23 22:51:10— http://127.0.0.1:8000/cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444
Connecting to 127.0.0.1:8000... connected.
HTTP request sent, awaiting response... 200 Script output follows
Length: unspecified [text/html]
Saving to: 'without_reCAPTCHA.py?song=Song_4&cc_number=444444444'

0K 22.7M=0s

2020-11-23 22:51:10 (22.7 MB/s) - 'without_reCAPTCHA.py?song=Song_4&cc_number=444444444' saved [143]
```

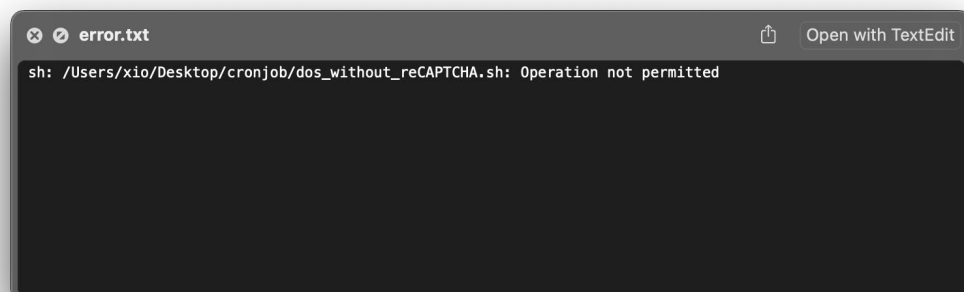
We can see cron job running well.

```
~/Desktop/cronjob — python3 -m http.server --cgi — python3 — Python -m http.server --cgi — 131x41
~
+ pwd
/Users/xio
+ cd Desktop
+ Desktop cd cronjob
+ cronjob python3 -m http.server --cgi
Serving HTTP on :: port 8000 (http://[::]:8000/) ...
::ffff:127.0.0.1 - - [23/Nov/2020 22:50:18] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 22:50:42] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 22:51:02] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 22:51:10] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:00:22] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:00:31] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:00:40] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:00:45] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:10:02] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:10:08] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:10:31] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:10:41] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:20:07] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:20:19] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:20:32] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:20:55] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:30:03] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:30:06] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:30:08] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:30:33] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:40:18] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:40:38] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:40:54] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Nov/2020 23:41:01] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:00:08] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:00:14] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:00:33] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:00:40] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:10:24] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:10:36] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:10:46] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:10:54] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_4&cc_number=444444444 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:20:17] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_1&cc_number=111111111 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:20:25] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_2&cc_number=222222222 HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [24/Nov/2020 00:20:28] "GET /cgi-bin/without_reCAPTCHA.py?song=Song_3&cc_number=333333333 HTTP/1.1" 200 -
```

Step5: Command“crontab -r” to remove cron job.

```
[→ ~ crontab -l
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
*/10 * * * * sh ~/Desktop/cronjob/dos_without_reCAPTCHA.sh 2>~/Desktop/error.txt
[→ ~ crontab -r
[→ ~ crontab -l
crontab: no crontab for xio
→ ~ |
```

Issue I met:



For MacOS, go to System preference -> Security & Privacy, scroll down to Full Disk Access.



Mark Terminal and cron, then it fixed.