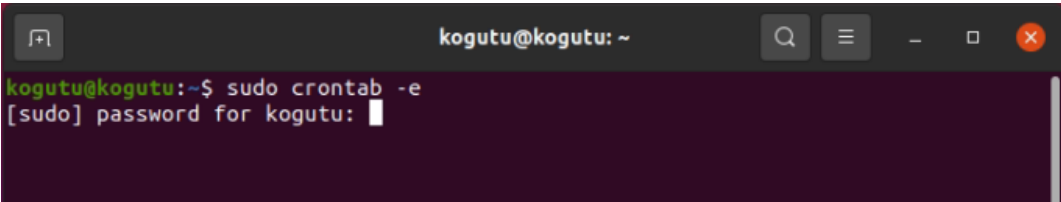
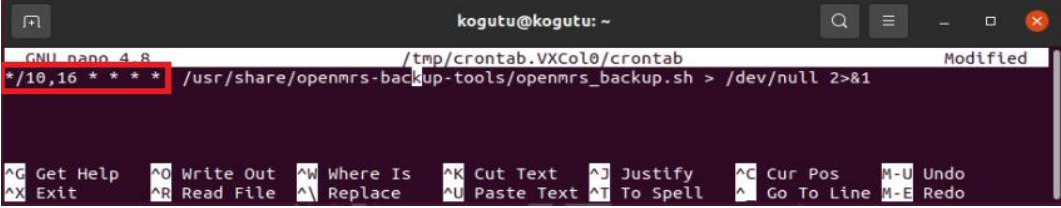
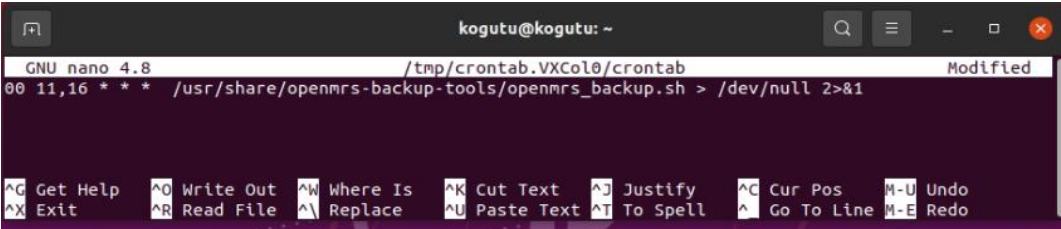


# SOP: Database Autobackup in Ubuntu 20.04 LTS

(Last update: Mar 2024)

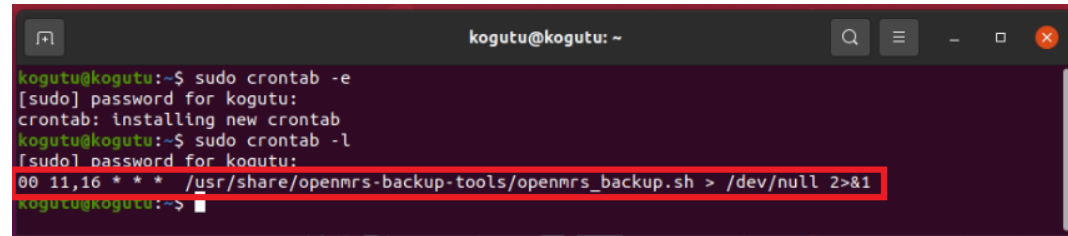
<b>TASK:</b>	Change the default frequency of openmrs database autobackup in Ubuntu
<b>OBJECTIVE:</b>	Change the default frequency of autobackup to twice a day (at 11.00am and 4.00pm)
<b>WHO:</b>	Facility Admins, HRIOs, HIS, Clinicians, Data Staff
<b>REQUIRED MATERIALS:</b>	Functional KenyaEMR 3.x
<b>SUMMARY:</b>	To reduce the frequency of dumping backups from an interval of 10 minutes to twice a day. This will help in saving server space which is quickly filled with the many backups generated due to short dumping intervals.

Activity	Screenshot
<p><b>CONFIGURING AUTOBACKUP TO REDUCE FREQUENCY OF DUMPS</b></p> <p><b>Step 1:</b> Open terminal and type the following;</p> <pre>sudo crontab -e (Enter)</pre> <p>Enter password when prompted</p> <p><b>Note:</b> when prompted to select an option for editing, Type 1 (nano) and Enter</p>	
<p><b>Step 2:</b> Update the highlighted default section of the cron job as indicated</p> <p>a) Default settings</p>	
<p>b) Updated settings</p> <p><b>Save</b> by pressing Ctrl+O (Enter)  <b>Exit</b> by pressing Ctrl+X</p>	

**Step 3:** Confirm setting by opening terminal and typing the following.

```
sudo crontab -l (Enter)
Enter password when prompted
```

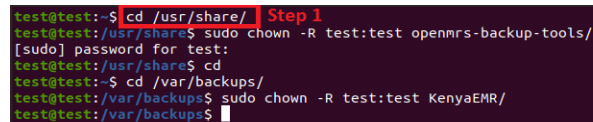
This will show you the cron job script installed  
**Note:** If not correct, repeat Step 1 and 2 above



```
kogutu@kogutu: ~
kogutu@kogutu:~$ sudo crontab -e
[sudo] password for kogutu:
crontab: installing new crontab
kogutu@kogutu:~$ sudo crontab -l
[sudo] password for kogutu:
00 11,16 * * * /usr/share/openmrs-backup-tools/openmrs_backup.sh > /dev/null 2>&1
kogutu@kogutu:~$
```

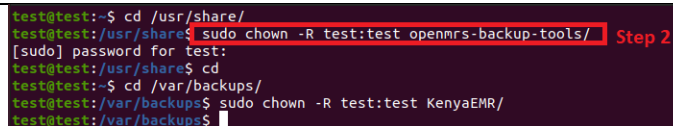
### CONFIGURING THE BACKUP DIRECTORY

**Step 1:** Change directory to into the share directory  
( *cd /usr/share* )



```
test@test:~$ cd /usr/share/ Step 1
test@test:/usr/share$ sudo chown -R test:test openmrs-backup-tools/
[sudo] password for test:
test@test:/usr/share$ cd
test@test:~$ cd /var/backups/
test@test:/var/backups$ sudo chown -R test:test KenyaEMR/
test@test:/var/backups$
```

**Step 2:** Change the ownership of the openmrs-backup-tools from root to the current user  
( *sudo chown -R facilityxx:facilityxx /usr/share/openmrs-backup-tools* )



```
test@test:~$ cd /usr/share/
test@test:/usr/share$ sudo chown -R test:test openmrs-backup-tools/ Step 2
[sudo] password for test:
test@test:/usr/share$ cd
test@test:~$ cd /var/backups/
test@test:/var/backups$ sudo chown -R test:test KenyaEMR/
test@test:/var/backups$
```

<p><b>Step 3:</b> Change directory to into the backup directory (<i>cd /var/backup</i>)</p>	<pre>test@test:~\$ cd /usr/share/ test@test:/usr/share\$ sudo chown -R test:test openmrs-backup-tools/ [sudo] password for test: test@test:/usr/share\$ cd test@test:~\$ cd /var/backups/ Step 3 test@test:/var/backups\$ sudo chown -R test:test KenyaEMR/ test@test:/var/backups\$</pre>
<p><b>Step 4:</b> Change the ownership of the KenyaEMR directory from root to the current user (<i>sudo chown -R facilityxx: facilityxx /var/backups/KenyaEMR</i>)</p>	<pre>test@test:~\$ cd /usr/share/ test@test:/usr/share\$ sudo chown -R test:test openmrs-backup-tools/ [sudo] password for test: test@test:/usr/share\$ cd test@test:~\$ cd /var/backups/ test@test:/var/backups\$ sudo chown -R test:test KenyaEMR/ Step 4 test@test:/var/backups\$</pre>