

CentOS 8 64-bit - VMware Workstation

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CentOS 8 64-bit CentOS 9 64-bit

Activities Terminal Jul 10 18:05

eslam@machine1:/var/log/updates

```
[root@machine1 bash]# ./update.sh
[root@machine1 bash]# cd /var/log/updates/
[root@machine1 updates]# ls -l
total 8
-rw-r--r--. 1 root root 182 Jul 10 17:22 update_2025-07-10_17-22-07.log
-rw-r--r--. 1 root root 182 Jul 10 18:04 update_2025-07-10_18-04-21.log
[root@machine1 updates]#
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

Untitled (Workspace)

positional_args.sh ifStatment.sh Case.sh update.sh

```
bash > $ update.sh
1 #!/usr/bin/bash
2 log_dir="/var/log/updates"
3 mkdir -p "$log_dir"
4 date=$(date +%Y-%m-%d_%H-%M-%S)
5 log_file="$log_dir/update_$date.log"
6 echo "start yum update at $(date)" > "$log_file"
7 yum -y update >> "$log_file" 2>&1
```

SSH: 192.168.80.110

crontab.guru/#59_11_**_**_*

crontab guru

The quick and simple editor for cron schedule expressions by Cronitor.

"At 11:59."

next at 2025-07-11 11:59:00

random

59 11 * * *

Copy

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Activities Terminal Jul 12 04:43

root@machine1:~

```
root@machine1 ~]# ls -lh backup_*.tar.gz
-rw-r--r--. 1 root root 45 Jul 12 02:45 backup_2025-07-12_02-45.tar.gz
-rw-r--r--. 1 root root 159M Jul 12 03:23 backup_2025-07-12_03-23.tar.gz
-rw-r--r--. 1 root root 63K Jul 12 03:35 backup_2025-07-12_03-35.tar.gz
-rw-r--r--. 1 root root 63K Jul 12 04:30 backup_2025-07-12_04-30.tar.gz
root@machine1 ~]#
```

Untitled (Workspace)

ead.sh backup_email.sh positional_args.sh ifStatment.sh Case.st

```
bash > $ backup_email.sh
1  #!/usr/bin/bash
2
3  DATE=$(date +%Y-%m-%d_%H-%M)
4  BACKUP_FILE="backup_${DATE}.tar.gz"
5  SNAPSHOT_FILE="snapshot.file"
6  TARGET_DIR="/home"
7  LOGFILE="/tmp/incremental_backup_${DATE}.log"
8  EMAIL="esabik10+test@gmail.com"
9
10 FROM_EMAIL="esabik10+test@gmail.com"
11 SUBJECT_SUCCESS="Backup Succeeded on ${DATE}"
12 SUBJECT_FAIL="Backup Failed on ${DATE}"
13
14 tar --listed-incremental=${SNAPSHOT_FILE} -czvf $BACKUP_FILE $TARGET_DIR > $LOGFILE
15 STATUS=$?
16
17 if [ $STATUS -eq 0 ]; then
18     echo "Backup completed successfully on ${DATE}. File: $BACKUP_FILE" | s-nail
19 else
20     echo "Backup FAILED on ${DATE}. Check log: $LOGFILE" | s-nail -s "$SUBJECT_F
21 fi
22
```




Backup Succeeded on
2025-07-12_04-30

Inbox



esabik10@gm... 4:30 am
to esabik10+test ▾



Backup completed successfully on 2025-07-12_04-30.
File: backup_2025-07-12_04-30.tar.gz



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