

Implementasi Strategi Backup Otomatis dan Manajemen Sinkronisasi Data pada Sistem Operasi Ubuntu

```
tsabita@localhost:~$ sudo tar -czf /tmp/etc_backup.tar.gz /etc
```

```
[sudo] password for tsabita: _
```

```
/etc/alternatives/aptitude.fr.8.gz
```

```
/etc/alternatives/lddiff
```

```
/etc/alternatives/tdbbackup.8.gz
```

```
/etc/alternatives/vl.ru.1.gz
```

```
/etc/alternatives/rubin
```

```
/etc/alternatives/ru
```

```
/etc/alternatives/editor.1.gz
```

```
/etc/alternatives/netcat
```

```
/etc/alternatives/pico
```

```
/etc/alternatives/tdbbackup
```

```
/etc/alternatives/lzcat.1.gz
```

```
/etc/alternatives/rsh.1.gz
```

```
/etc/alternatives/nc.1.gz
```

```
/etc/alternatives/netcat.1.gz
```

```
/etc/alternatives/nawk
```

```
/etc/alternatives/rlogin
```

```
/etc/alternatives/write.1.gz
```

```
/etc/alternatives/telnet
```

```
/etc/alternatives/write
```

```
/etc/alternatives/aptitude.ja.8.gz
```

```
/etc/alternatives/u.1.gz
```

```
/etc/alternatives/aptitude.pl.8.gz
```

```
/etc/alternatives/www-browser
```

```
/etc/alternatives/text.plymouth
```

```
/etc/alternatives/view.ru.1.gz
```

```
/etc/alternatives/aptitude.it.8.gz
```

```
/etc/alternatives/editor
```

```
/etc/alternatives/lzma
```

```
/etc/alternatives/iron.1.gz
```

```
/etc/alternatives/ex.pl.1.gz
```

```
/etc/l1baudit.conf
```

```
/etc/apt/arch-xsessions
```

```
/etc/locale.alias
```

```
/etc/os-release
```

```
tsabita@localhost:~$ mkdir -p /tmp/etc_restore
```

```
tsabita@localhost:~$ sudo mkdir /backup
```

```
tsabita@localhost:~$ nano backup.sh
```

```
#!/bin/bash
```

```
DATE=$(date +%Y%m%d)
```

```
tar -czf /backup/
```

```
home_backup_${DATE}.tar.gz /home
```

```
[ I wrote 5 lines ]
```

```
tsabita@localhost:~$ chmod +x backup.sh
```

```
tsabita@localhost:~$ crontab -e
```

[Wrote 5 lines]

```
tsabita@localhost:~$ chmod +x backup.sh
tsabita@localhost:~$ crontab -e
no crontab for tsabita - using an empty one

Select an editor. To change later, run 'select-editor'.
 1. /bin/ed
 2. /bin/nano <---- easiest
 3. /usr/bin/vim.basic
 4. /usr/bin/vim.tiny

Choose 1-4 [2]: 2
```

```
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
```

[Wrote 24 lines]

```
crontab: installing new crontab
tsabita@localhost:~$ crontab -l
```

```
#
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# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
tsabita@localhost:~$ lsblk
Perintah 'lsblk' tidak ditemukan, apakah yang Anda maksud:
Perintah 'lsblk' dari paket 'util-linux' (main)
lsblk: perintah tidak ditemukan
tsabita@localhost:~$ lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                                  8:0    0    25G  0 disk
├─sda1                              8:1    0    243M  0 part /boot
├─sda2                              8:2    0      1K  0 part
├─sda5                              8:5    0    24.8G  0 part
└─localhost--vg-root (dn-0)       252:0    0    2.5G  0 lvm /
   localhost--vg-swap_1 (dn-1)    252:1    0     4G  0 lvm
sr0                                  11:0    1   1024M  0 rom
tsabita@localhost:~$
```

```
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NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                                  8:0    0   25G  0 disk
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├─sda2                              8:2    0    1K  0 part
└─sda5                              8:5    0   24.8G  0 part
   ├─local-host--vg-root (dn-0)    252:0    0   2.5G  0 lvm /
   ├─local-host--vg-swap_1 (dn-1)  252:1    0    4G  0 lvm
   └─l0                             11:0    1 1024M  0 ram
tsabita@localhost:~$ sudo mkdir -p /mnt/flashdisk
tsabita@localhost:~$ sudo rsync -av /home/tsabita/ /mnt/flashdisk_
```

```
[ Wrote 24 lines ]

crontab: installing new crontab
tsabita@localhost:~$ ls /mnt/flashdisk
backup.sh  bita.tar.gz  bita.txt
tsabita@localhost:~$ crontab -l
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# For more information see the manual pages of crontab(5) and cron(8)
#
# h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
tsabita@localhost:~$ sudo cp /backup.sh /usr/local/88
> sudo chmod +x /usr/local/bin/backup.sh_
```

```
tsabita@localhost:~$ ls /mnt/flashdisk
backup.sh  bita.tar.gz  bita.txt
tsabita@localhost:~$ crontab -l
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#
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#
# h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
tsabita@localhost:~$ sudo cp /backup.sh /usr/local/88
> sudo chmod +x /usr/local/bin/backup.sh
chmod: tidak dapat mengakses '/usr/local/bin/backup.sh': Tidak ada berkas atau direktori seperti itu
tsabita@localhost:~$ cat ~/backup.sh
#!/bin/bash
DATE=$(date +%Ym%d)
tar -czvf /backup/
home_backup_$DATE.tar.gz /home
tsabita@localhost:~$ _
```