

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

```
tsabitaa@localhost:~$ sudo tar -czof /tmp/etc_backup.tar.gz /etc
[sudo] password for tsabitaa: _
```

```
/etc/alternatives/aptitude.fr.8.gz
/etc/alternatives/zdiff
/etc/alternatives/zdbbackup.8.gz
/etc/alternatives/vi.ru.i.gz
/etc/alternatives/vim
/etc/alternatives/vim
/etc/alternatives/editor.1.gz
/etc/alternatives/netcat
/etc/alternatives/pico
/etc/alternatives/zdbbackup
/etc/alternatives/zcat.1.gz
/etc/alternatives/zsh.1.gz
/etc/alternatives/nc.1.gz
/etc/alternatives/awk.1.gz
/etc/alternatives/nano
/etc/alternatives/login
/etc/alternatives/write.1.gz
/etc/alternatives/telnet
/etc/alternatives/write
/etc/alternatives/aptitude.ja.8.gz
/etc/alternatives/vi.l.gz
/etc/alternatives/aptitude.pl.8.gz
/etc/alternatives/psql
/etc/alternatives/text.plmooth
/etc/alternatives/view.ru.1.gz
/etc/alternatives/aptitude.it.8.gz
/etc/alternatives/editor
/etc/alternatives/lzma
/etc/alternatives/frm.1.gz
/etc/alternatives/ex.pl.1.gz
/etc/libaudit.conf
/etc/audit/permissions
/etc/hosts.aliases
/etc/os-release
tsabitaa@localhost:~$ mkdir -p /tmp/etc_restore
tsabitaa@localhost:~$ sudo mkdir /backup
tsabitaa@localhost:~$ nano backup.sh_
```

```
#!/bin/bash
DATE=$(date +\%Y\%m\%d)
tar -czuf /backup/
home_backup_$DATE.tar.gz /home
```

[Wrote 5 lines]

```
tsabitaa@localhost:~$ chmod +x backup.sh
tsabitaa@localhost:~$ crontab -e
```

```
[ Wrote 5 lines ]
tsabitaa@localhost:~$ chmod +x backup.sh
tsabitaa@localhost:~$ crontab -e
no crontab for tsabitaa - using an empty one

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

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

```
[ Wrote 24 lines ]
# 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 timezone.
#
# 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/tsabitaa/backup.sh

[ Wrote 24 lines ]
```

```
crontab: Installing new crontab
tsabitaa@localhost:~$ crontab -l

#
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#
# m h dom mon dow   command
0 2 * * * /home/tsabitaa/backup.sh

tsabitaa@localhost:~$ lsblk
Perintah 'lsblk' tidak ditemukan, apakah yang anda maksud:
  Perintah 'lsblk' dari paket 'util-linux' (main)
lsblk: perintah tidak ditemukan
tsabitaa@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 (dm-0) 252:0    0  2.5G  0 lvm /
    └─localhost--vg-swap_1 (dm-1) 252:1    0   4G  0 lvm
sr0         11:0   1 1024M  0 rom
tsabitaa@localhost:~$
```

```

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# m h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
tsabita@localhost:~$ lsblk
Perintah 'lsblk' tidak ditemukan, apakah anda maksud:
`- Perintah 'lsblk' dari paket 'util-linux' (main)
lsblk: perintah tidak ditemukan
tsabita@localhost:~$ lsblk
NAME      MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
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    ├─localhost--vg-root (dm-0) 252:0 0 2,5G 0 lvm /
    └─localhost--vg-swap_1 (dm-1) 252:1 0   4G 0 lvm
sr0      11:0    1 1024M 0 rom
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
# Edit this file to introduce tasks to be run by cron.
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# 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
tsabita@localhost:~$ sudo cp ./backup.sh /usr/local/&)
> 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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# For more information see the manual pages of crontab(5) and cron(8)
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# m h dom mon dow   command
0 2 * * * /home/tsabita/backup.sh
tsabita@localhost:~$ sudo cp ./backup.sh /usr/local/&)
> 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=$(date +%Y%m%d)
tar -zcf ./backup.tar.gz /home/
/home_backup_$DATE.tar.gz /home/
tsabita@localhost:~$ _

```