

# Task 10: Compress & Archive Automation

## 1. Create the script file

```
nano archive_logs.sh
```

## 2. Paste the following content into the editor, then save and exit:

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

```
LOG_DIR="/home/studentuser/projectX/logs"
BACKUP_DIR="/home/studentuser/projectX/backup"
ARCHIVE_NAME="archive_$(date +%Y%m%d).tar.gz"
```

```
mkdir -p "$BACKUP_DIR"
```

```
find "$LOG_DIR" -type f -name "*.log" -size +10M -print0 | tar -czf
"$BACKUP_DIR/$ARCHIVE_NAME" --null -T -
```

## 3. Make the script executable

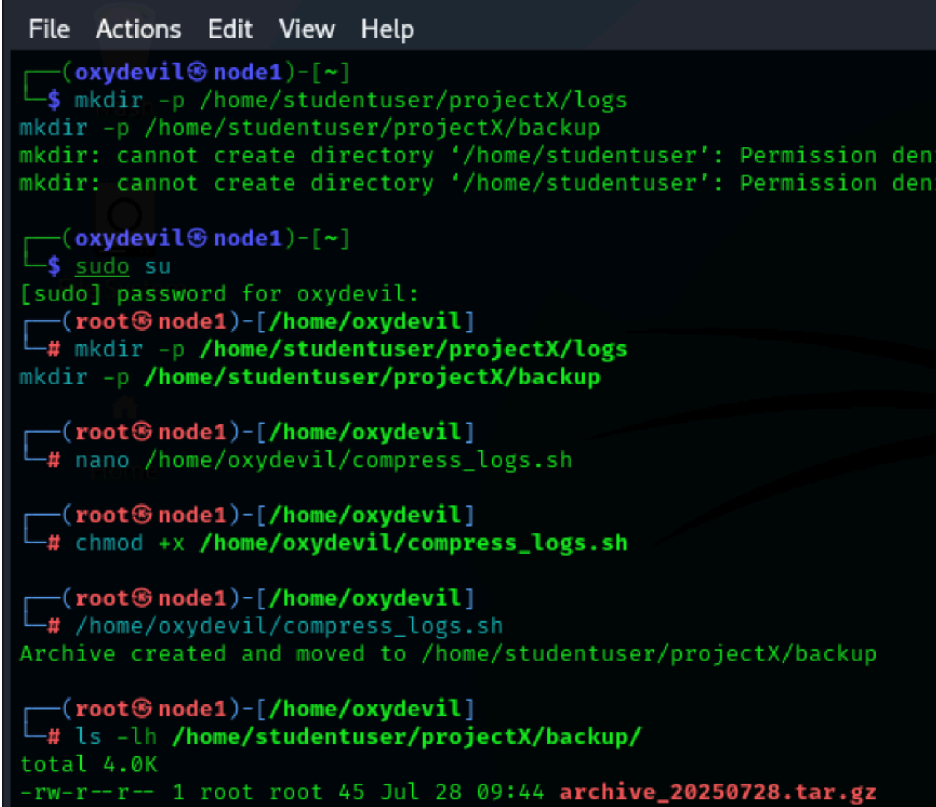
```
chmod +x archive_logs.sh
```

## 4. Run the script

```
./archive_logs.sh
```

## 5. (Optional) Check the backup folder

```
ls -lh /home/studentuser/projectX/backup/
```



```
File Actions Edit View Help
(oxydevil@node1)-[~]
$ mkdir -p /home/studentuser/projectX/logs
mkdir -p /home/studentuser/projectX/backup
mkdir: cannot create directory '/home/studentuser': Permission denied
mkdir: cannot create directory '/home/studentuser': Permission denied

(oxydevil@node1)-[~]
$ sudo su
[sudo] password for oxydevil:
(root@node1)-[/home/oxydevil]
# mkdir -p /home/studentuser/projectX/logs
mkdir -p /home/studentuser/projectX/backup

(root@node1)-[/home/oxydevil]
# nano /home/oxydevil/compress_logs.sh

(root@node1)-[/home/oxydevil]
# chmod +x /home/oxydevil/compress_logs.sh

(root@node1)-[/home/oxydevil]
# /home/oxydevil/compress_logs.sh
Archive created and moved to /home/studentuser/projectX/backup

(root@node1)-[/home/oxydevil]
# ls -lh /home/studentuser/projectX/backup/
total 4.0K
-rw-r--r-- 1 root root 45 Jul 28 09:44 archive_20250728.tar.gz
```