

LINUX MODULE

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L3 - In EC2 Ubuntu Instance Create Files and Directories and Grant R/W/X
Access only to the Owner and User Group

STEP 1- LAUNCHING AN EC2 INSTANCE

STEP 2- CONNECT TO THE INSTANCE

STEP3- ADDITION OF DIRECTORY

1. CHANGE THE USER

Sudo su

2. ADD DIRECTORY

Sudo mkdir directory name

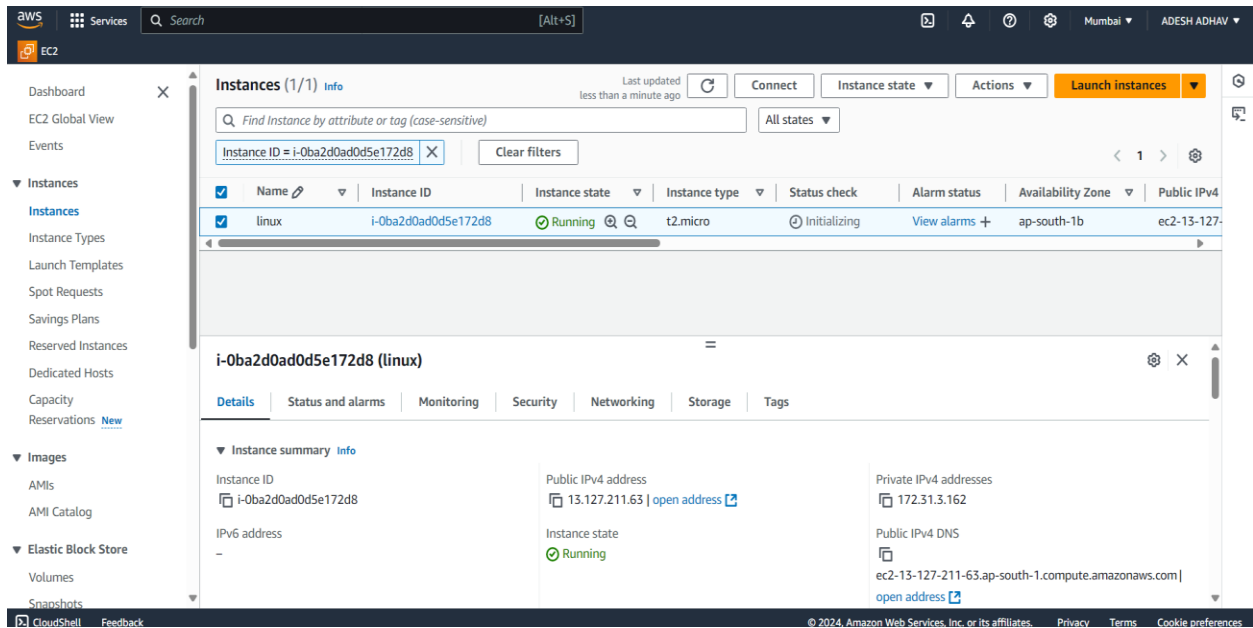
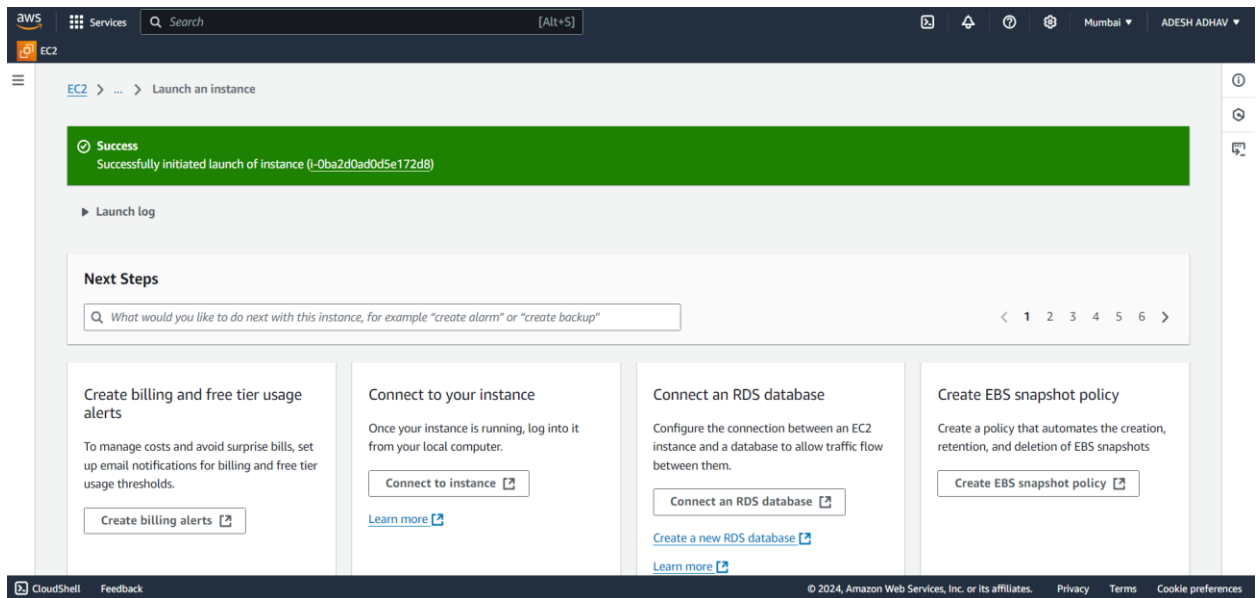
3. ADD FILE

Sudo touch file1

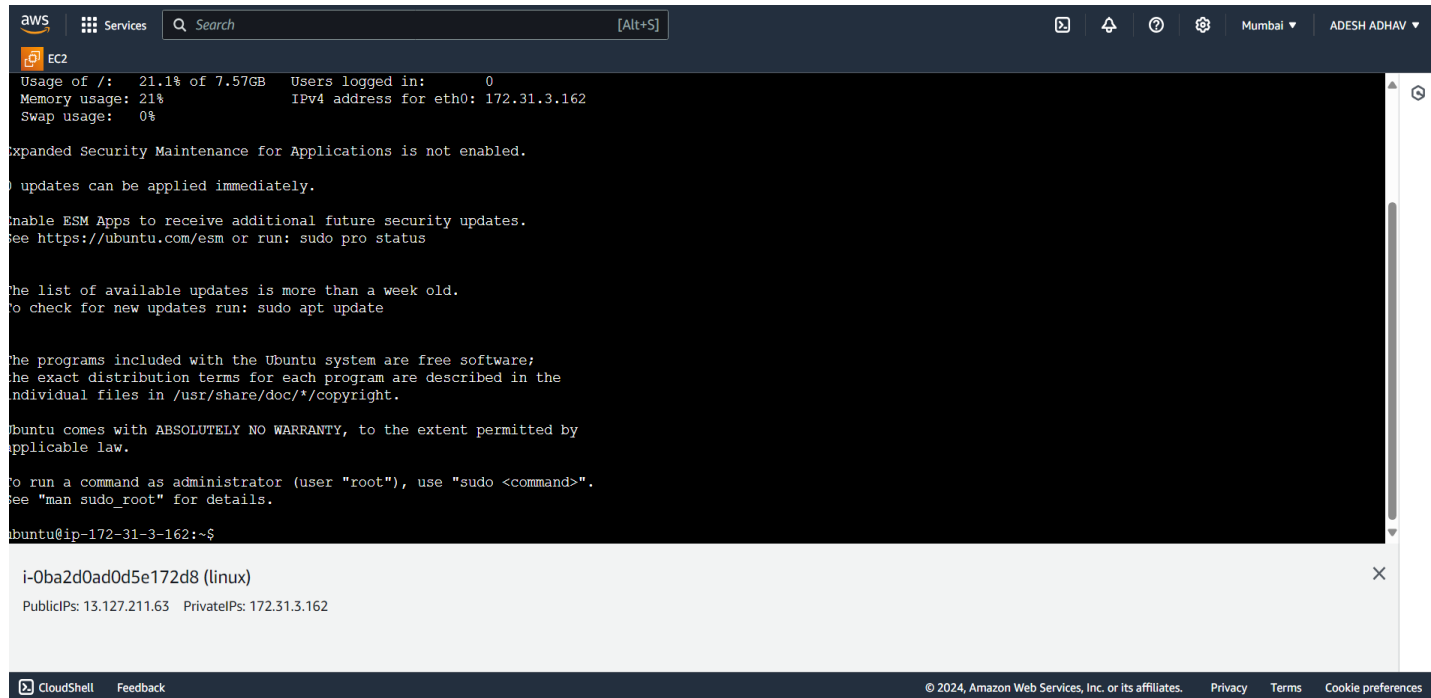
STEP4-*grant the permission*

Sudo chmod 770 directory/file name

- **INSTANCE CREATED**



- CONNECTED TO THE INSTANCE



The screenshot shows the AWS CloudShell interface. At the top, there's a header with the AWS logo, 'Services', a search bar, and a user profile 'ADESH ADHAV'. Below the header, the terminal window displays system information for an EC2 instance. The output shows disk usage (21.1% of 7.57GB), memory usage (21%), and swap usage (0%). It also indicates that expanded security maintenance for applications is not enabled and that updates can be applied immediately. The terminal shows the command 'sudo apt update' and its output, which includes information about available updates and the Ubuntu system's warranty. The terminal prompt is 'ubuntu@ip-172-31-3-162:~\$'. Below the terminal window, there's a summary bar showing the instance ID 'i-0ba2d0ad0d5e172d8 (linux)' and its public and private IP addresses.

```
aws Services Search [Alt+S]
EC2
Usage of /: 21.1% of 7.57GB Users logged in: 0
Memory usage: 21% IPv4 address for eth0: 172.31.3.162
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.
Updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

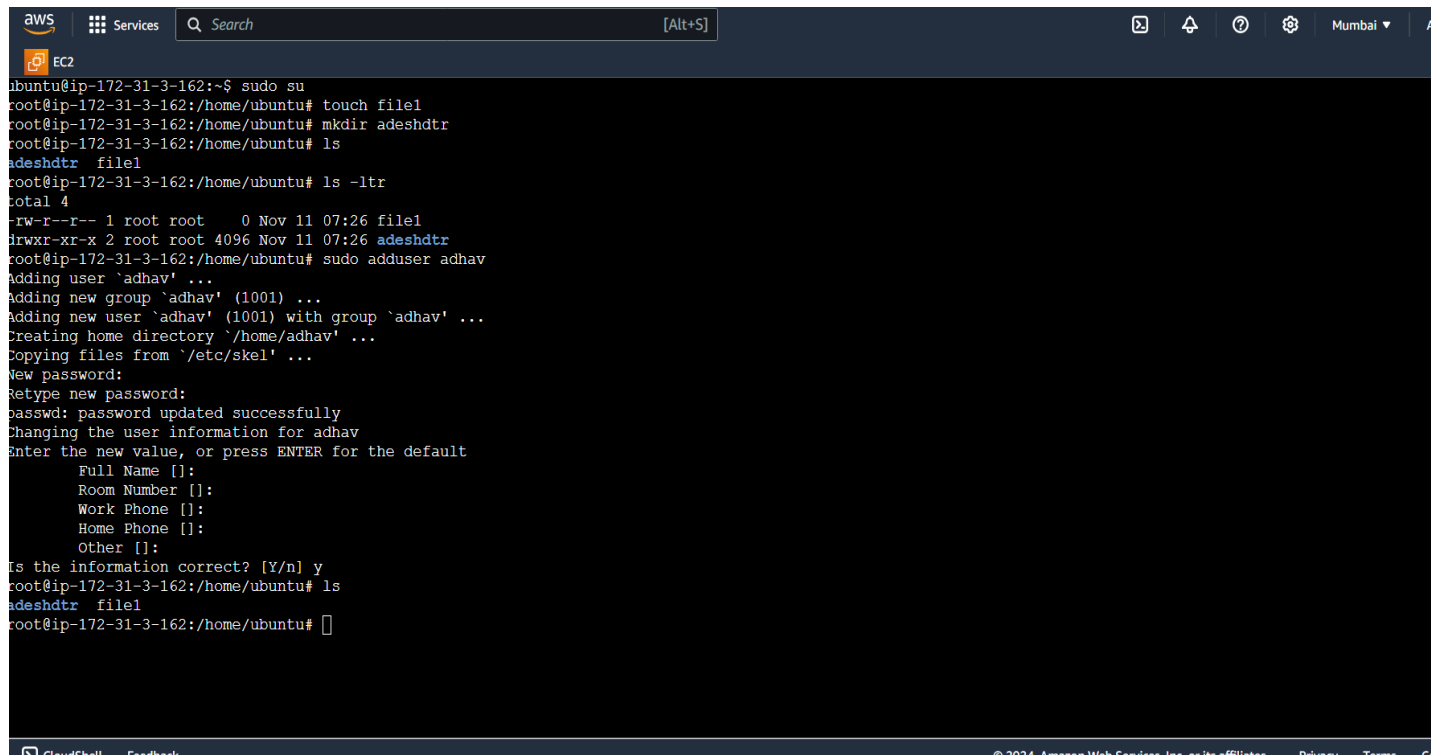
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-3-162:~$

i-0ba2d0ad0d5e172d8 (linux)
PublicIPs: 13.127.211.63 PrivateIPs: 172.31.3.162
```

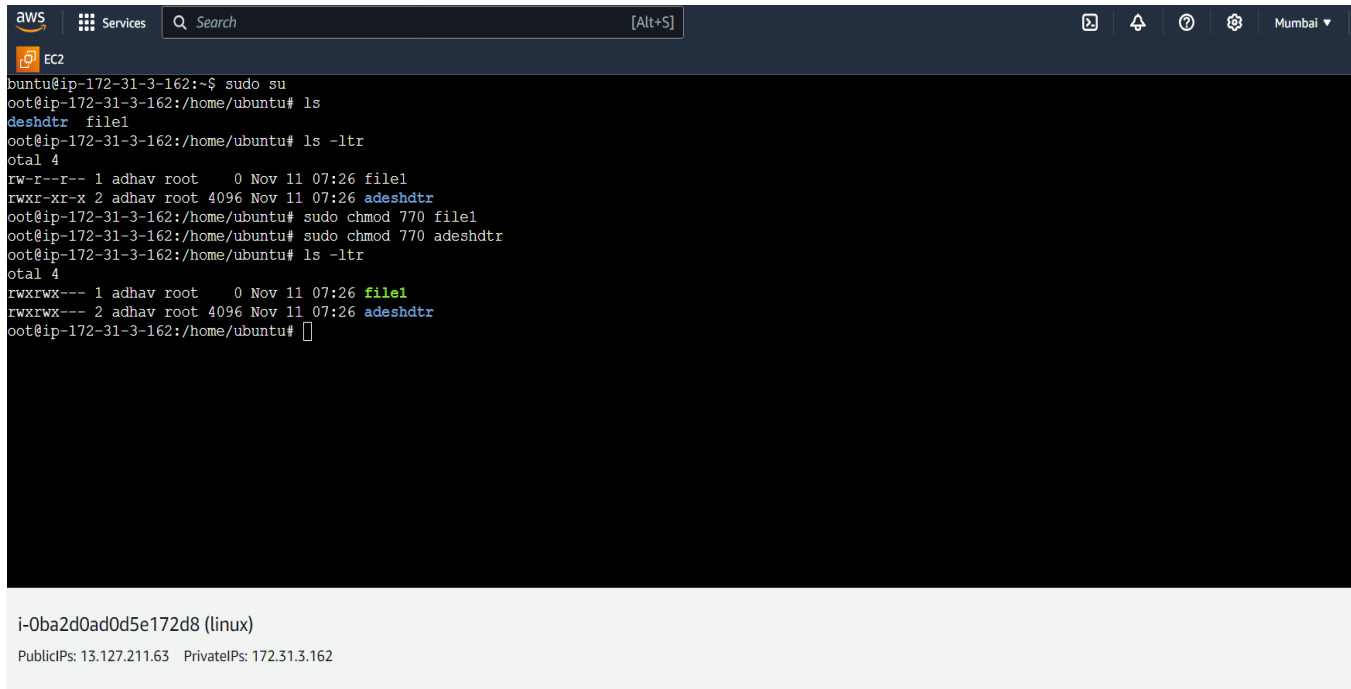
- ADDED DIRECTORY, FILE AND NEW USER



The screenshot shows the AWS CloudShell interface. The terminal window displays the commands and output for creating a file and adding a new user. The user 'root' is shown creating a file named 'file1' in the directory '/home/ubuntu'. Then, the user 'root' runs 'sudo adduser adhav', which prompts for a password and displays the user information for the new user 'adhav'. The terminal prompt is 'root@ip-172-31-3-162:/home/ubuntu#'. Below the terminal window, there's a summary bar showing the instance ID 'i-0ba2d0ad0d5e172d8 (linux)' and its public and private IP addresses.

```
aws Services Search [Alt+S]
EC2
ubuntu@ip-172-31-3-162:~$ sudo su
root@ip-172-31-3-162:/home/ubuntu# touch file1
root@ip-172-31-3-162:/home/ubuntu# mkdir adeshdtr
root@ip-172-31-3-162:/home/ubuntu# ls
adeshdtr file1
root@ip-172-31-3-162:/home/ubuntu# ls -ltr
total 4
-rw-r--r-- 1 root root 0 Nov 11 07:26 file1
drwxr-xr-x 2 root root 4096 Nov 11 07:26 adeshdtr
root@ip-172-31-3-162:/home/ubuntu# sudo adduser adhav
Adding user `adhav' ...
Adding new group `adhav' (1001) ...
Adding new user `adhav' (1001) with group `adhav' ...
Creating home directory `/home/adhav' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for adhav
Enter the new value, or press ENTER for the default
Full Name []:
Room Number []:
Work Phone []:
Home Phone []:
Other []:
Is the information correct? [Y/n] y
root@ip-172-31-3-162:/home/ubuntu# ls
adeshdtr file1
root@ip-172-31-3-162:/home/ubuntu#
```

- **Grant the permission to owner and user group**



The screenshot shows an AWS Management Console terminal window for an EC2 instance. The terminal output is as follows:

```
aws Services Search [Alt+S] Mumbai
EC2
buntu@ip-172-31-3-162:~$ sudo su
oot@ip-172-31-3-162:/home/ubuntu# ls
adeshdtr  file1
oot@ip-172-31-3-162:/home/ubuntu# ls -ltr
total 4
-rw-r--r-- 1 adhav root    0 Nov 11 07:26 file1
-rwxr-xr-x 2 adhav root 4096 Nov 11 07:26 adeshdtr
oot@ip-172-31-3-162:/home/ubuntu# sudo chmod 770 file1
oot@ip-172-31-3-162:/home/ubuntu# sudo chmod 770 adeshdtr
oot@ip-172-31-3-162:/home/ubuntu# ls -ltr
total 4
-rwxrwx--- 1 adhav root    0 Nov 11 07:26 file1
-rwxrwx--- 2 adhav root 4096 Nov 11 07:26 adeshdtr
oot@ip-172-31-3-162:/home/ubuntu#
```

i-0ba2d0ad0d5e172d8 (linux)
PublicIPs: 13.127.211.63 PrivateIPs: 172.31.3.162