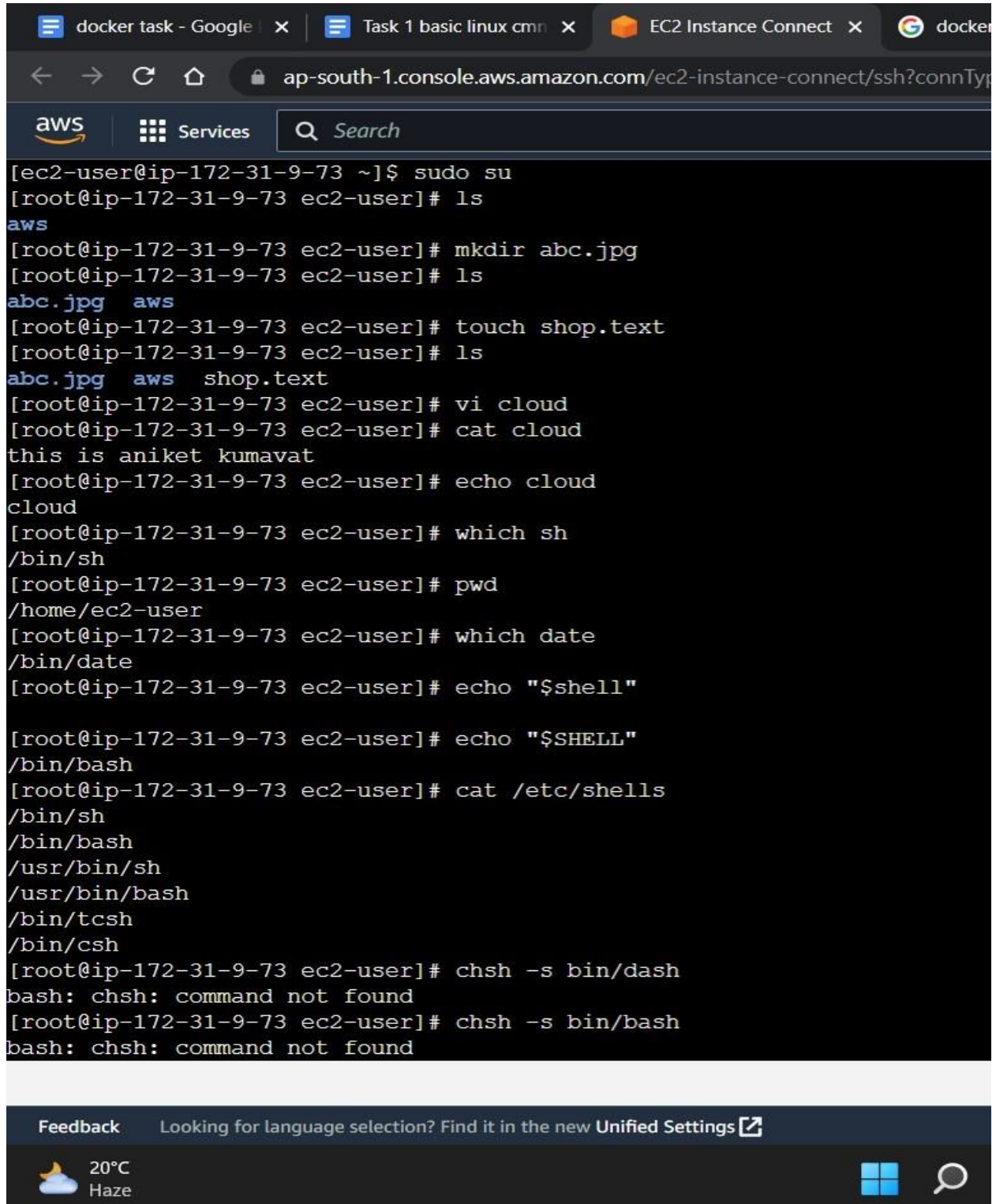


TASK 1:- Basic Linux Commands



The screenshot shows a web browser window with the AWS Management Console interface. The address bar displays the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connTyp`. The browser tabs include "docker task - Google", "Task 1 basic linux cmn", "EC2 Instance Connect", and "docker". The AWS console header shows the "aws" logo, "Services", and a search bar. The terminal window is open, showing a series of commands and their outputs. The user starts as `ec2-user` and uses `sudo su` to become `root`. They then perform several file and directory operations, including `mkdir`, `touch`, and `ls`. They also create a file named `cloud` using `vi` and `cat`, and use `echo` to display the shell type and path. The terminal output is as follows:

```
[ec2-user@ip-172-31-9-73 ~]$ sudo su
[root@ip-172-31-9-73 ec2-user]# ls
aws
[root@ip-172-31-9-73 ec2-user]# mkdir abc.jpg
[root@ip-172-31-9-73 ec2-user]# ls
abc.jpg  aws
[root@ip-172-31-9-73 ec2-user]# touch shop.text
[root@ip-172-31-9-73 ec2-user]# ls
abc.jpg  aws  shop.text
[root@ip-172-31-9-73 ec2-user]# vi cloud
[root@ip-172-31-9-73 ec2-user]# cat cloud
this is aniket kumavat
[root@ip-172-31-9-73 ec2-user]# echo cloud
cloud
[root@ip-172-31-9-73 ec2-user]# which sh
/bin/sh
[root@ip-172-31-9-73 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-9-73 ec2-user]# which date
/bin/date
[root@ip-172-31-9-73 ec2-user]# echo "$shell"

[root@ip-172-31-9-73 ec2-user]# echo "$SHELL"
/bin/bash
[root@ip-172-31-9-73 ec2-user]# cat /etc/shells
/bin/sh
/bin/bash
/usr/bin/sh
/usr/bin/bash
/bin/tcsh
/bin/csh
[root@ip-172-31-9-73 ec2-user]# chsh -s bin/dash
bash: chsh: command not found
[root@ip-172-31-9-73 ec2-user]# chsh -s bin/bash
bash: chsh: command not found
```

At the bottom of the browser window, there is a "Feedback" link and a message: "Looking for language selection? Find it in the new Unified Settings". The system status bar at the very bottom shows a weather icon for "20°C Haze" and a search icon.

- **Sudo su** :- this is root user also known as (**administrator**)
- **ls** :- list the directory and files in the system
- **ls -l**:- The -l switch turns on long listing format
- **ls -a**:- hidden folder and files
- **mkdir**:- is command to create a empty folder in your system
- **cd**:- to go inside particular directory or folder inside the system
- **vi/vim/nano**:- this are text editor to edit content inside in the file
- **cat**:- cat is to print content inside in the file or append data inside the file using (>)
- **which**:- to show path of the cmnd where they are
- **Pwd**:- know as present current directory show the path of your current location of file where you are
- **echo "\$"**:- used to display line of text/string that are passed as an argument .
- **chsh**:- change shell
- **Note** :- For more information about linux commands refer this link-
<https://www.javatpoint.com/linux-commands>

```
docker task - Google | Task 1 basic linux cmr | EC2 Instance Connect | docker hub - Google |
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instance

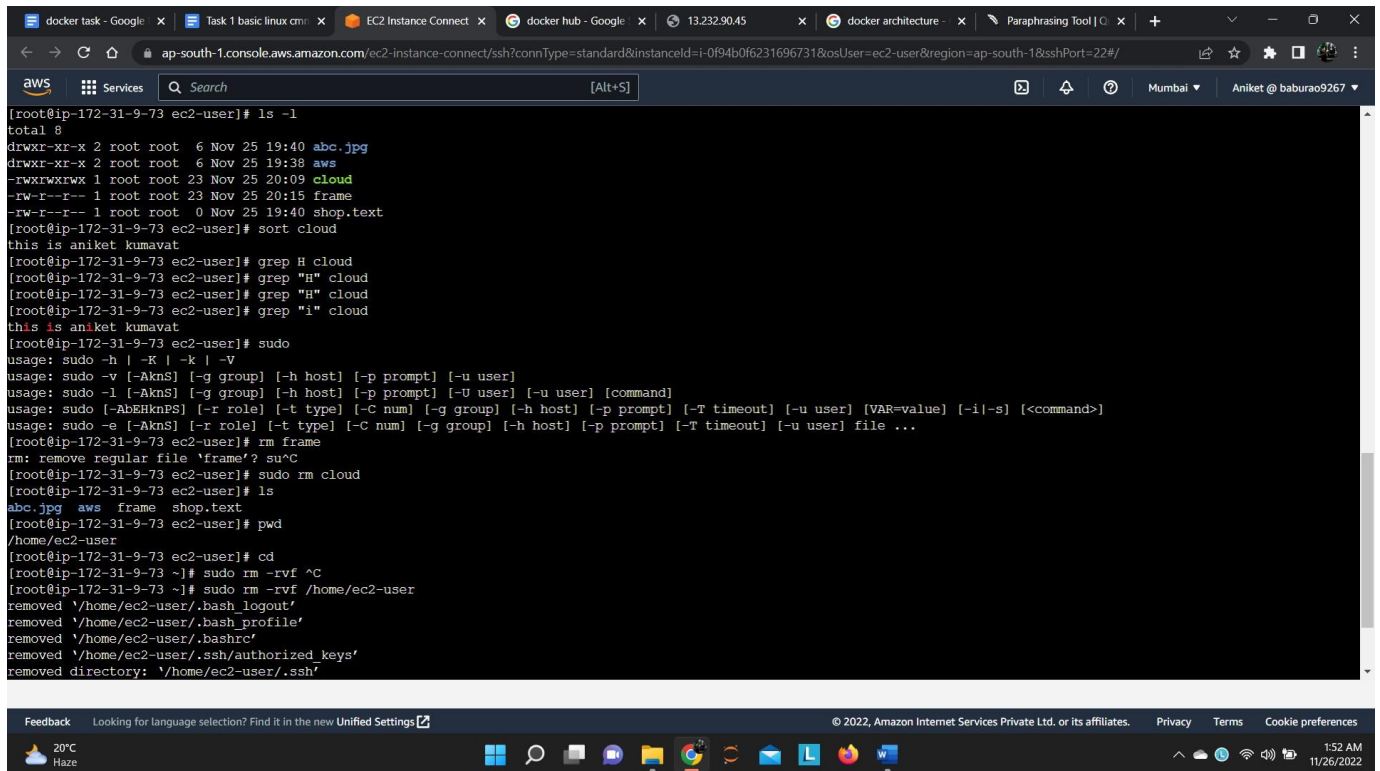
aws Services Search [Alt+S]

bash: chsh: command not found
[root@ip-172-31-9-73 ec2-user]# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
    inet 172.31.9.73 netmask 255.255.240.0 broadcast 172.31.15.255
    inet6 fe80::848:cfff:fe2b:df8a prefixlen 64 scopeid 0x20<link>
    ether 0a:48:cf:2b:df:8a txqueuelen 1000 (Ethernet)
    RX packets 88825 bytes 122189497 (116.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11833 bytes 786140 (767.7 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 48 bytes 3888 (3.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 48 bytes 3888 (3.7 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@ip-172-31-9-73 ec2-user]# nano frame
[root@ip-172-31-9-73 ec2-user]# cat frame
This nano edito
[root@ip-172-31-9-73 ec2-user]# cp cloud frame
cp: overwrite 'frame'? ^C
[root@ip-172-31-9-73 ec2-user]# sudo cp cloud frame
[root@ip-172-31-9-73 ec2-user]# ls
abc.jpg aws cloud frame shop.text
[root@ip-172-31-9-73 ec2-user]# cat frame
this is aniket kumavat
[root@ip-172-31-9-73 ec2-user]# sudo chmod -R 777 cloud
[root@ip-172-31-9-73 ec2-user]# ls -l
total 8
drwxr-xr-x 2 root root 6 Nov 25 19:40 abc.jpg
drwxr-xr-x 2 root root 6 Nov 25 19:38 aws
```

- **ifconfig** :- to show ip address of your system
- If ifconfig is not installed download package use this command :- **sudo apt install net-tools -y**



```
[root@ip-172-31-9-73 ec2-user]# ls -l
total 8
drwxr-xr-x 2 root root 6 Nov 25 19:40 abc.jpg
drwxr-xr-x 2 root root 6 Nov 25 19:38 aws
-rwxrwxrwx 1 root root 23 Nov 25 20:09 cloud
-rw-r--r-- 1 root root 23 Nov 25 20:15 frame
-rw-r--r-- 1 root root 0 Nov 25 19:40 shop.text
[root@ip-172-31-9-73 ec2-user]# sort cloud
this is aniket kumavat
[root@ip-172-31-9-73 ec2-user]# grep H cloud
[root@ip-172-31-9-73 ec2-user]# grep "H" cloud
[root@ip-172-31-9-73 ec2-user]# grep "H" cloud
[root@ip-172-31-9-73 ec2-user]# grep "i" cloud
this is aniket kumavat
[root@ip-172-31-9-73 ec2-user]# sudo
usage: sudo -h | -K | -k | -V
usage: sudo -v [-AknS] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-AknS] [-g group] [-h host] [-p prompt] [-U user] [-u user] [command]
usage: sudo [-AbEHknPS] [-r role] [-t type] [-C num] [-g group] [-h host] [-p prompt] [-T timeout] [-u user] [VAR=value] [-i|-s] [<command>]
usage: sudo -e [-AknS] [-r role] [-t type] [-C num] [-g group] [-h host] [-p prompt] [-T timeout] [-u user] file ...
[root@ip-172-31-9-73 ec2-user]# rm frame
rm: remove regular file 'frame'? su^C
[root@ip-172-31-9-73 ec2-user]# sudo rm cloud
[root@ip-172-31-9-73 ec2-user]# ls
abc.jpg aws frame shop.text
[root@ip-172-31-9-73 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-9-73 ec2-user]# cd
[root@ip-172-31-9-73 ~]# sudo rm -rvf ^C
[root@ip-172-31-9-73 ~]# sudo rm -rvf /home/ec2-user
removed '/home/ec2-user/.bash_logout'
removed '/home/ec2-user/.bash_profile'
removed '/home/ec2-user/.bashrc'
removed '/home/ec2-user/.ssh/authorized_keys'
removed directory: '/home/ec2-user/.ssh'
```

- **nano:-** nano is editor like text editor or notepad where you can write your content to close editor **left ctrl + x + y** (y to save) n (n to not save)
- **cp cloudtest.txt test.txt** (append all the content in the file delete old content append new content)
- **chmod -R 777** read write execute permission
- **sort cloudtest** (prints the lines of its input or concatenation)
- **grep "H" cloudtest** (Grep command is used for search the content word in the file)
- **rm test** (remove file)
- **rmdir** (remove single directory in the system)
- **rm -rvf Path** (rm all folder and files inside the system also delete the folder and inside contain)
 - r :- recursive (remove directories and their contents recursively)
 - v:- verbose (explain what is being done)
 - f:- remove forcefully don't ask yes or no