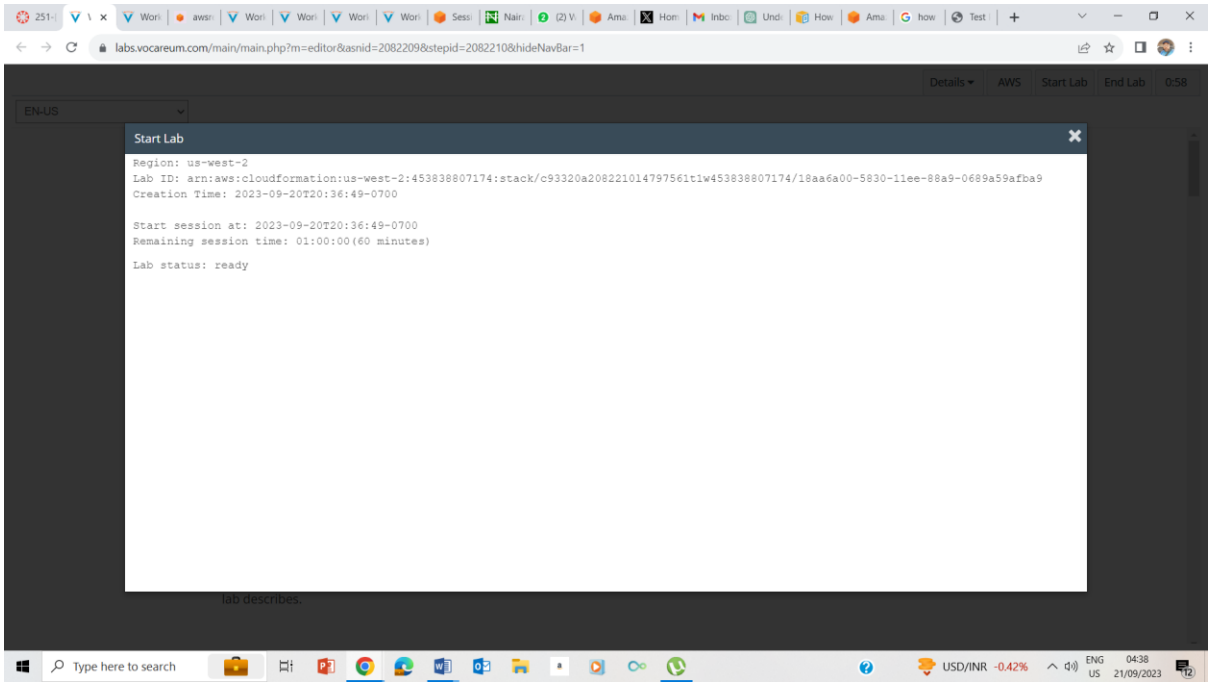
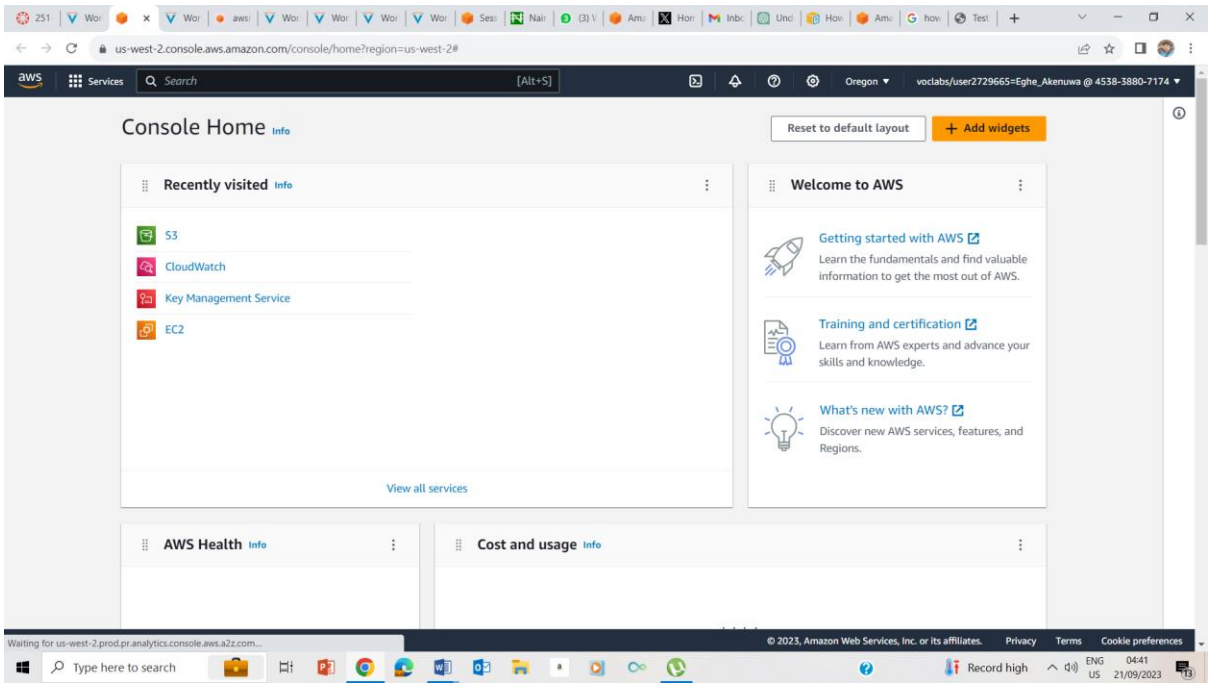
Bash Shell Scripts

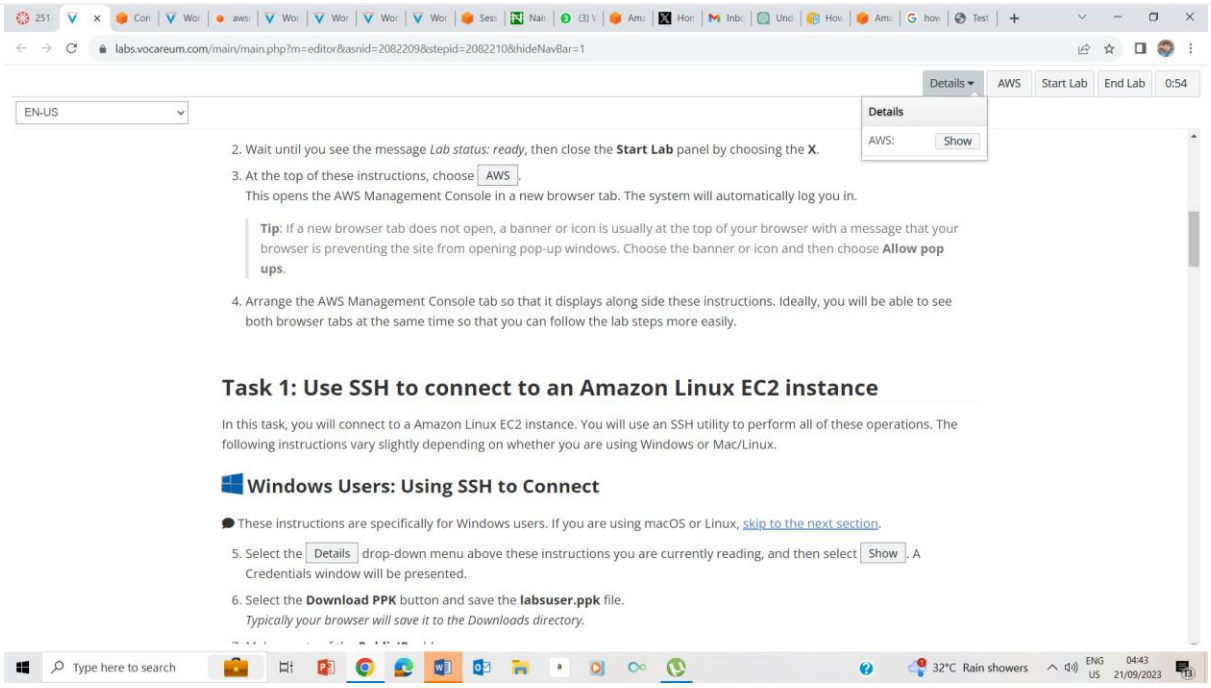
Accessing the AWS Management Console

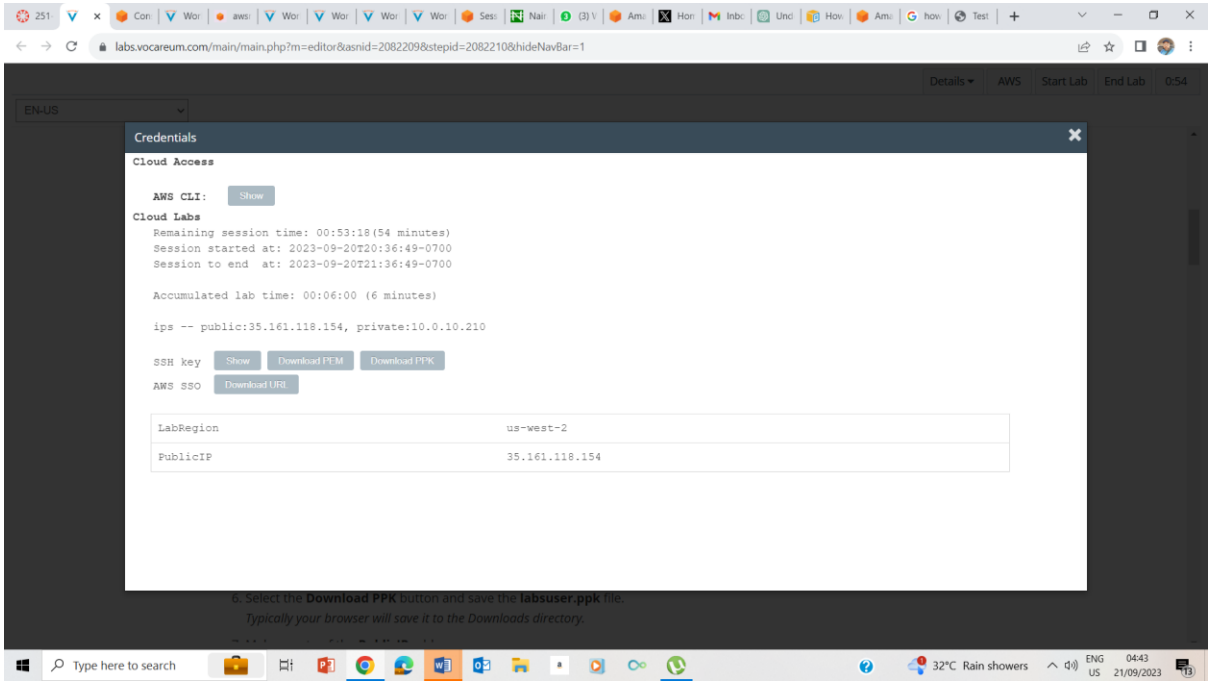




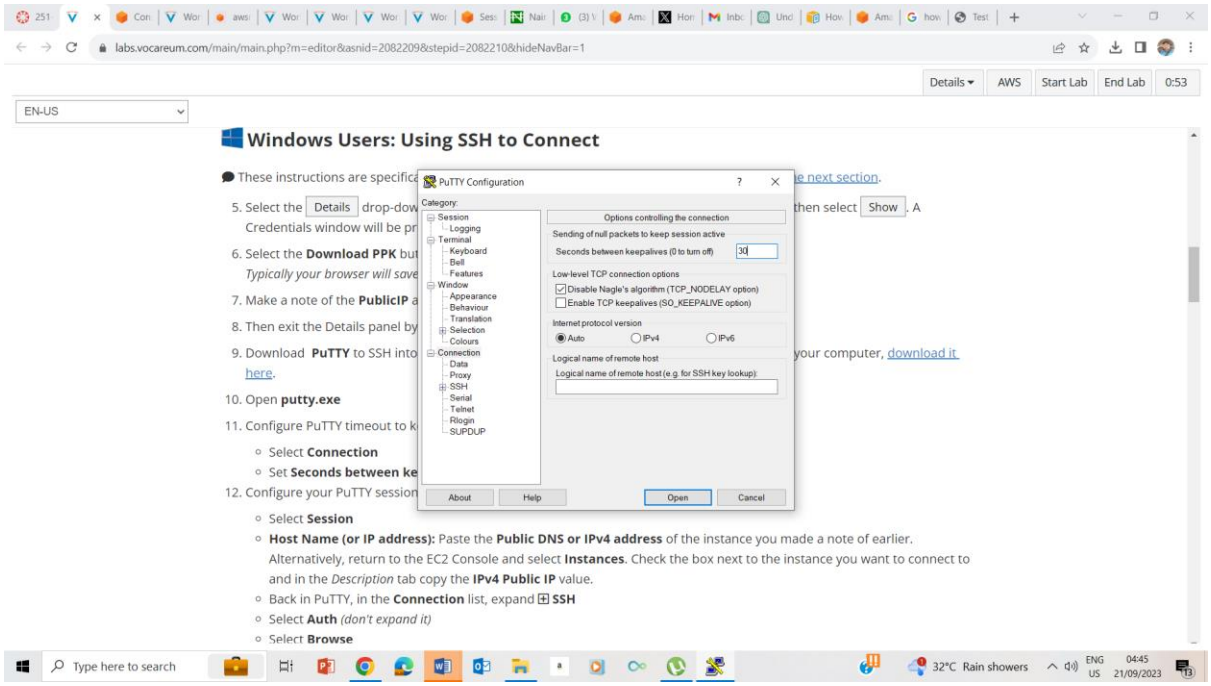
1-4. Pressed Start, waited for it to tell me it is ready, and pressed the AWS button.

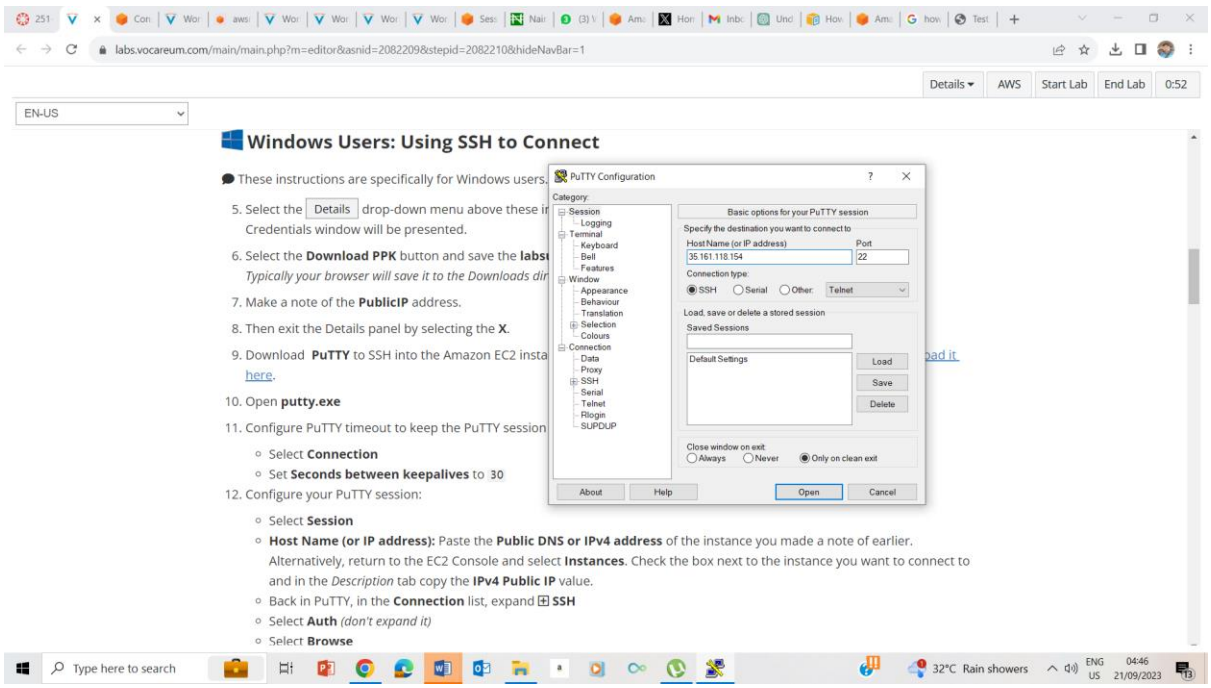
Task 1: Use SSH to connect to an Amazon Linux EC2 instance





5-7. Clicked on the Details dropdown box, and clicked show button. I also downloaded the PPK file as well as noting the Public IP address as 35.161.118.154


labs.vocareum.com/main/main.php?m=editor&asnid=2082209&stepid=2082210&hideNavBar=1
Details
AWS
Start Lab
End Lab
0:53
EN-US
Windows Users: Using SSH to Connect
These instructions are specific
e next section.
5. Select the Details drop-dow
then select Show. A
Credentials window will be pr
6. Select the Download PPK but
Typically your browser will save
7. Make a note of the PublicIP a
8. Then exit the Details panel by
9. Download PuTTY to SSH into
your computer, download it
here.
10. Open putty.exe
11. Configure PuTTY timeout to k
Select Connection
Set Seconds between ke
12. Configure your PuTTY session
Select Session
Host Name (or IP address): Paste the Public DNS or IPv4 address of the instance you made a note of earlier. Alternatively, return to the EC2 Console and select Instances. Check the box next to the instance you want to connect to and in the Description tab copy the IPv4 Public IP value.
Back in PuTTY, in the Connection list, expand ⊞ SSH
Select Auth (don't expand it)
Select Browse
PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Serial
Telnet
Rlogin
SUPDUP
Options controlling the connection
Sending of null packets to keep session active
Seconds between keepalives (0 to turn off)
30
Low-level TCP connection options
Disable Nagle's algorithm (TCP_NODELAY option)
Enable TCP keepalives (SO_KEEPALIVE option)
Internet protocol version
Auto
IPv4
IPv6
Logical name of remote host
Logical name of remote host (e.g. for SSH key lookup):
About
Help
Open
Cancel
Type here to search
32°C Rain showers
ENG
US
04:45
21/09/2023


labs.vocareum.com/main/main.php?m=editor&asnid=2082209&stepid=2082210&hideNavBar=1
Details
AWS
Start Lab
End Lab
0:52
EN-US
Windows Users: Using SSH to Connect
These instructions are specifically for Windows users.
5. Select the Details drop-down menu above these it
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6. Select the Download PPK button and save the labs
Typically your browser will save it to the Downloads dir
7. Make a note of the PublicIP address.
8. Then exit the Details panel by selecting the X.
9. Download PuTTY to SSH into the Amazon EC2 insta
oad it
here.
10. Open putty.exe
11. Configure PuTTY timeout to keep the PuTTY session
Select Connection
Set Seconds between keepalives to 30
12. Configure your PuTTY session:
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PuTTY Configuration
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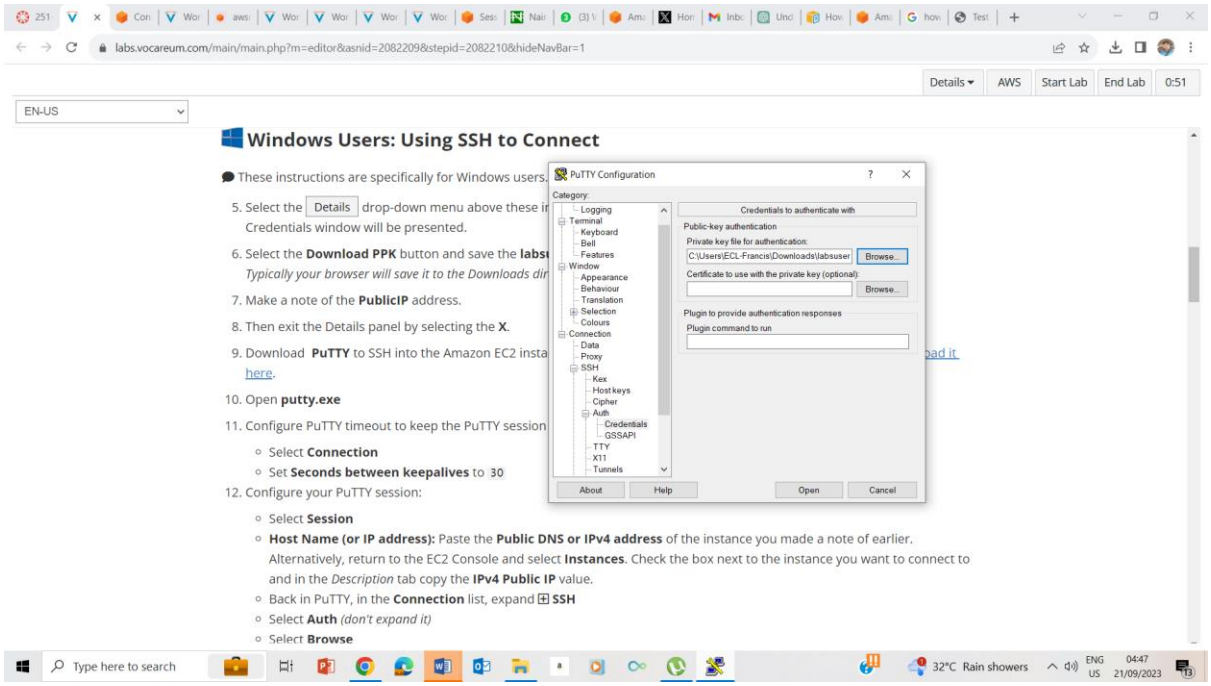
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Serial
Telnet
Rlogin
SUPDUP
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
35.161.118.154
22
Connection type:
SSH
Serial
Other:
Telnet
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Help
Open
Cancel
Type here to search
32°C Rain showers
ENG
US
04:46
21/09/2023


labs.vocareum.com/main/main.php?m=editor&asnid=2082209&stepid=2082210&hideNavBar=1
Details
AWS
Start Lab
End Lab
0:51
EN-US
Windows Users: Using SSH to Connect
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Credentials window will be presented.
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Set Seconds between keepalives to 30
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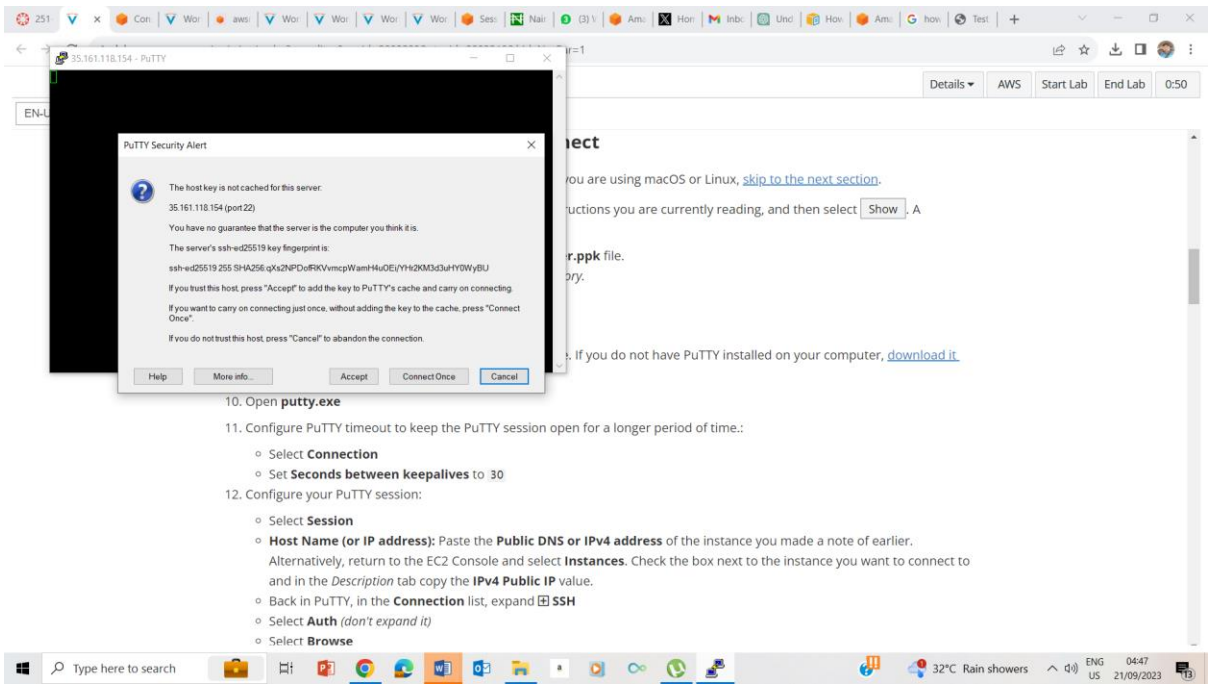
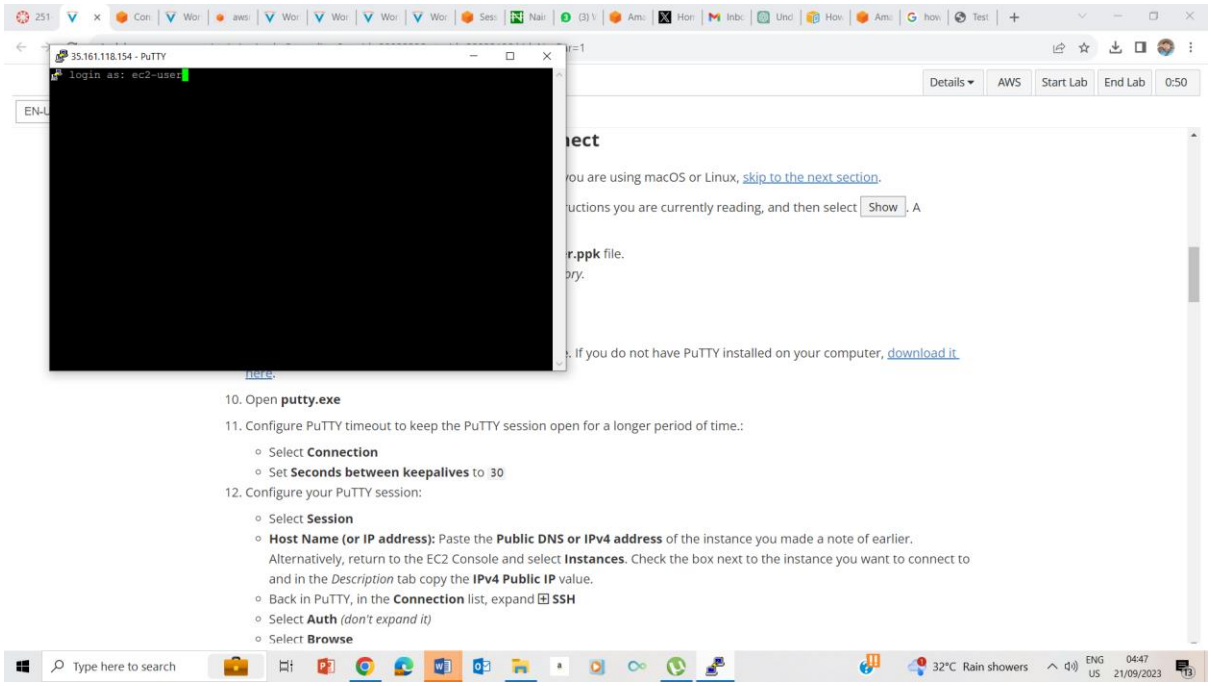
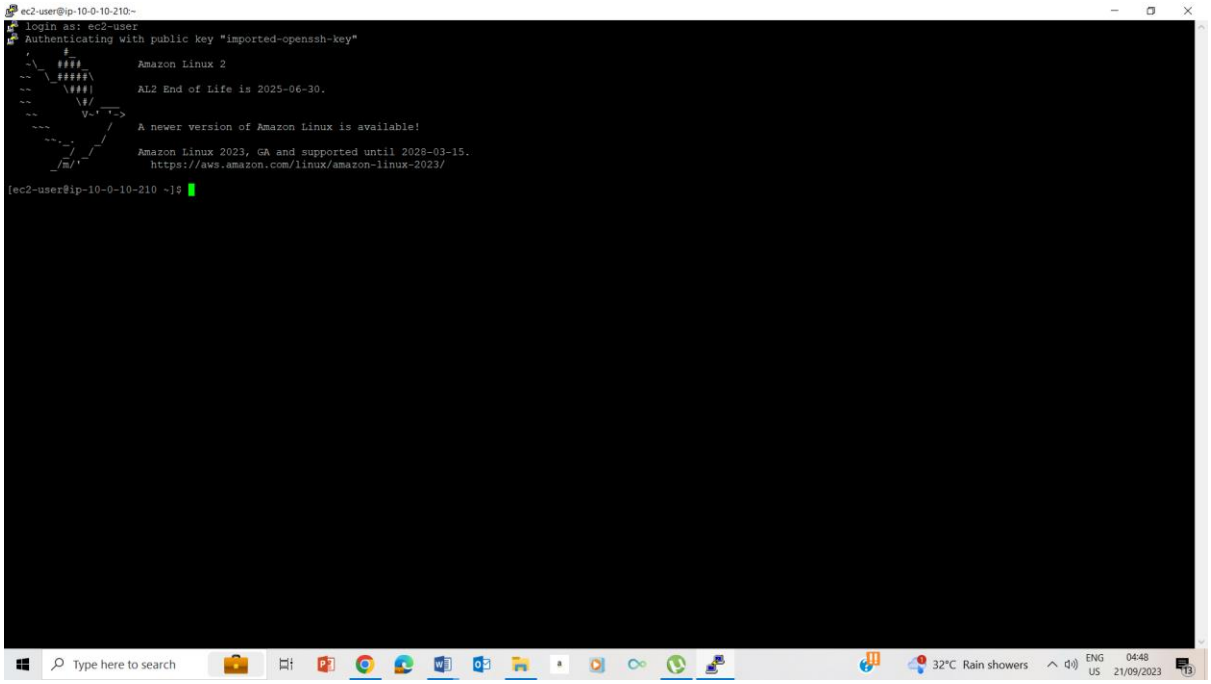
Selection
Colours
Connection
Data
Proxy
SSH
Kex
Host keys
Cipher
Auth
Credentials
GSSAPI
TTY
X11
Tunnels
Credentials to authenticate with
Public-key authentication
Private key file for authentication:
C:\Users\ECL-Francis\Downloads\labsuser
Browse...
Certificate to use with the private key (optional):
Browse...
Plugin to provide authentication responses
Plugin command to run
About
Help
Open
Cancel
Type here to search
32°C Rain showers
ENG
US
04:47
21/09/2023

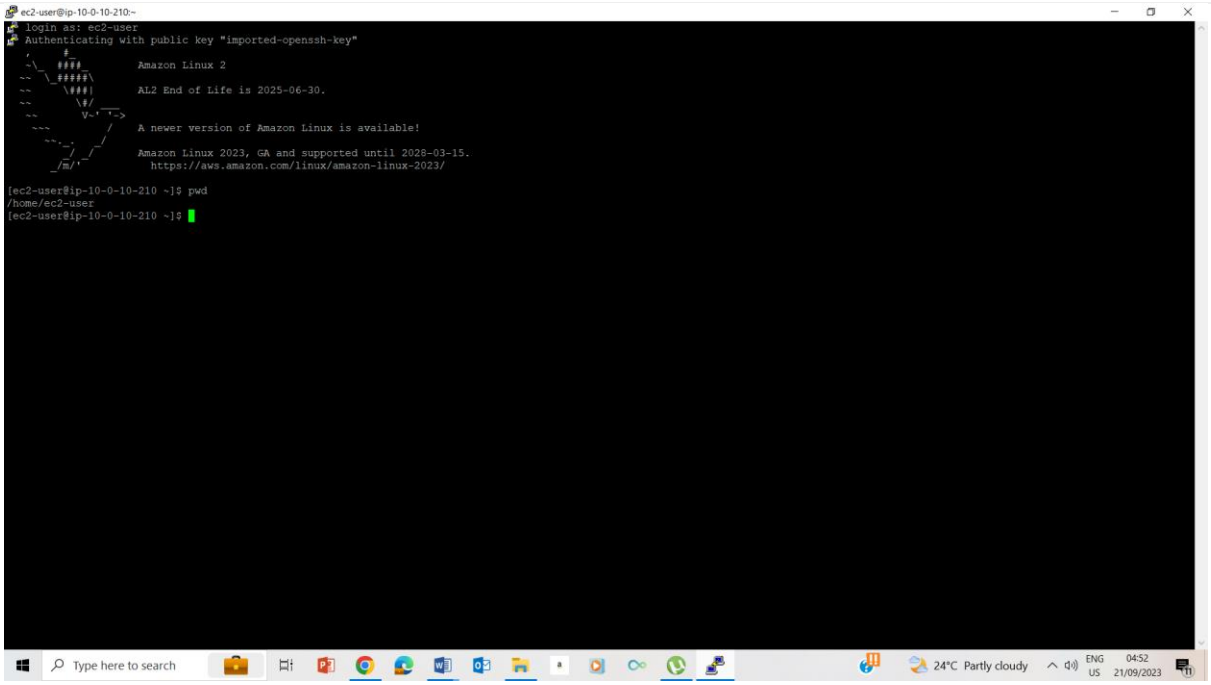

Details
AWS
Start Lab
End Lab
0:50
35.161.118.154 - PuTTY
PuTTY Security Alert
The host key is not cached for this server:
35.161.118.154 (port 22)
You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 SHA256:qXs2NPDofRKVvmcpWamH4uOEi/YHz2KM3d3uHY0WyBU
If you trust this host, press "Accept" to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, press "Connect Once".
If you do not trust this host, press "Cancel" to abandon the connection.
Help
More info...
Accept
Connect Once
Cancel
ou are using macOS or Linux, skip to the next section.
uctions you are currently reading, and then select Show. A
r.ppk file.
ory.
. If you do not have PuTTY installed on your computer, download it
10. Open putty.exe
11. Configure PuTTY timeout to keep the PuTTY session open for a longer period of time.:
Select Connection
Set Seconds between keepalives to 30
12. Configure your PuTTY session:
Select Session
Host Name (or IP address): Paste the Public DNS or IPv4 address of the instance you made a note of earlier.
Alternatively, return to the EC2 Console and select Instances. Check the box next to the instance you want to connect to
and in the Description tab copy the IPv4 Public IP value.
Back in PuTTY, in the Connection list, expand ⊞ SSH
Select Auth (don't expand it)
Select Browse
Type here to search
32°C Rain showers
ENG
US
04:47
21/09/2023



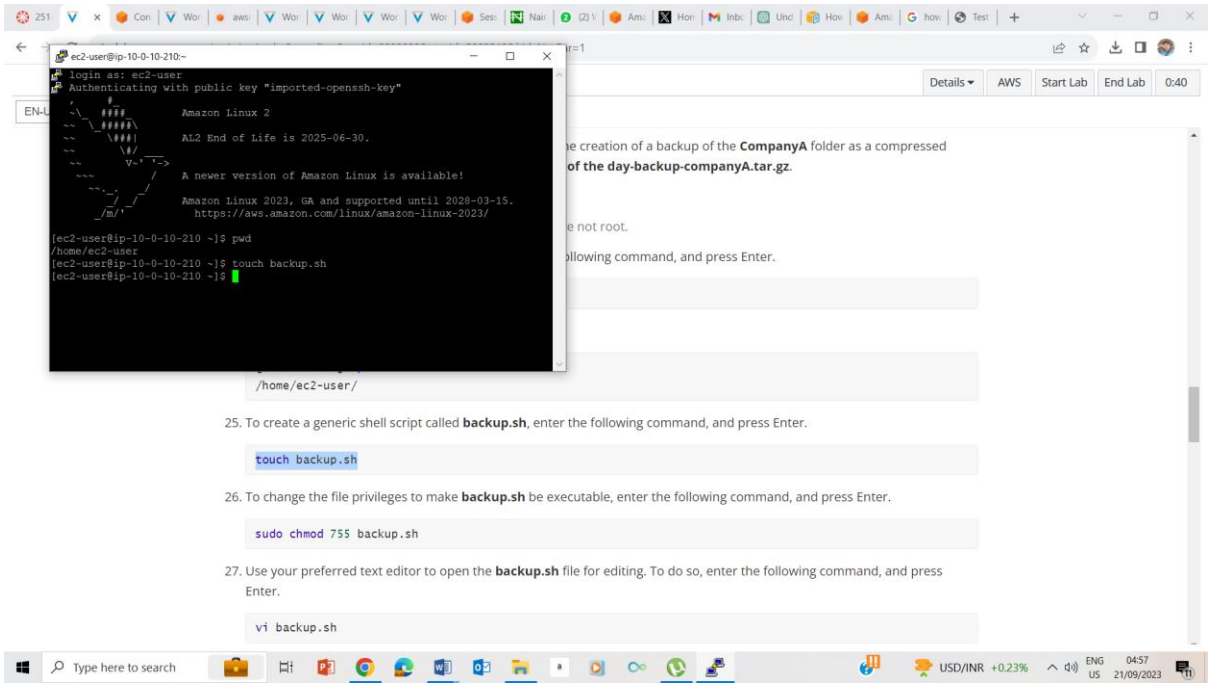


10-15. Configuring the putty

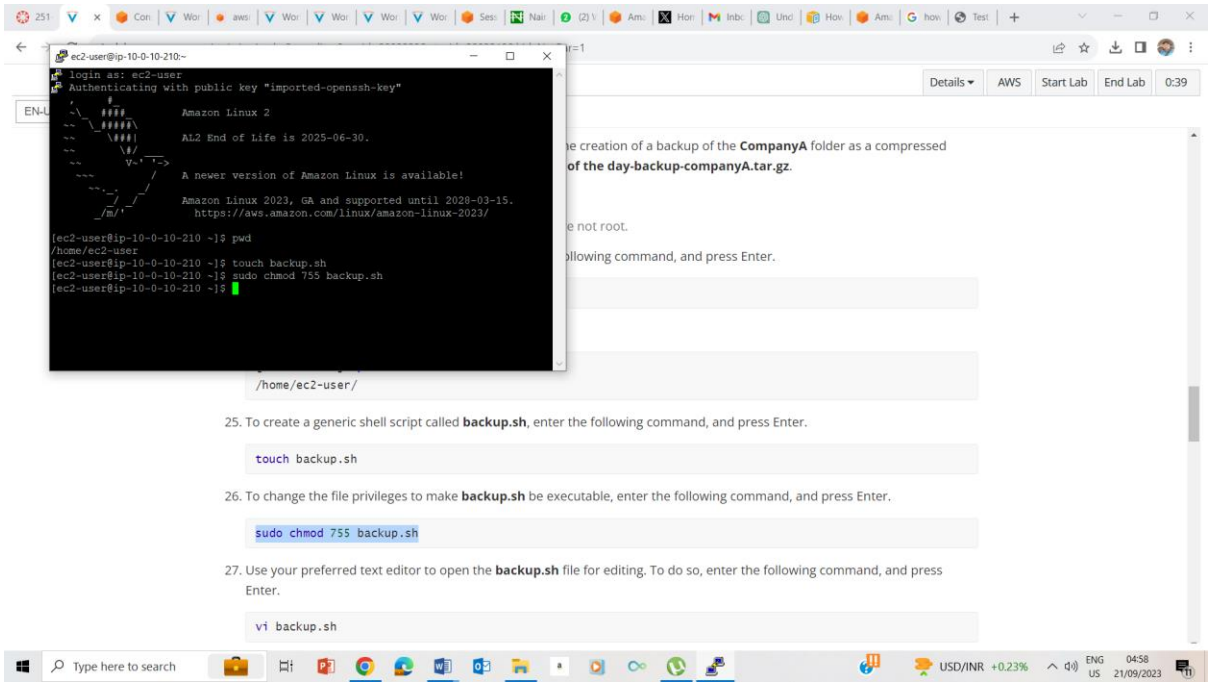
Task 2: Write a shell script



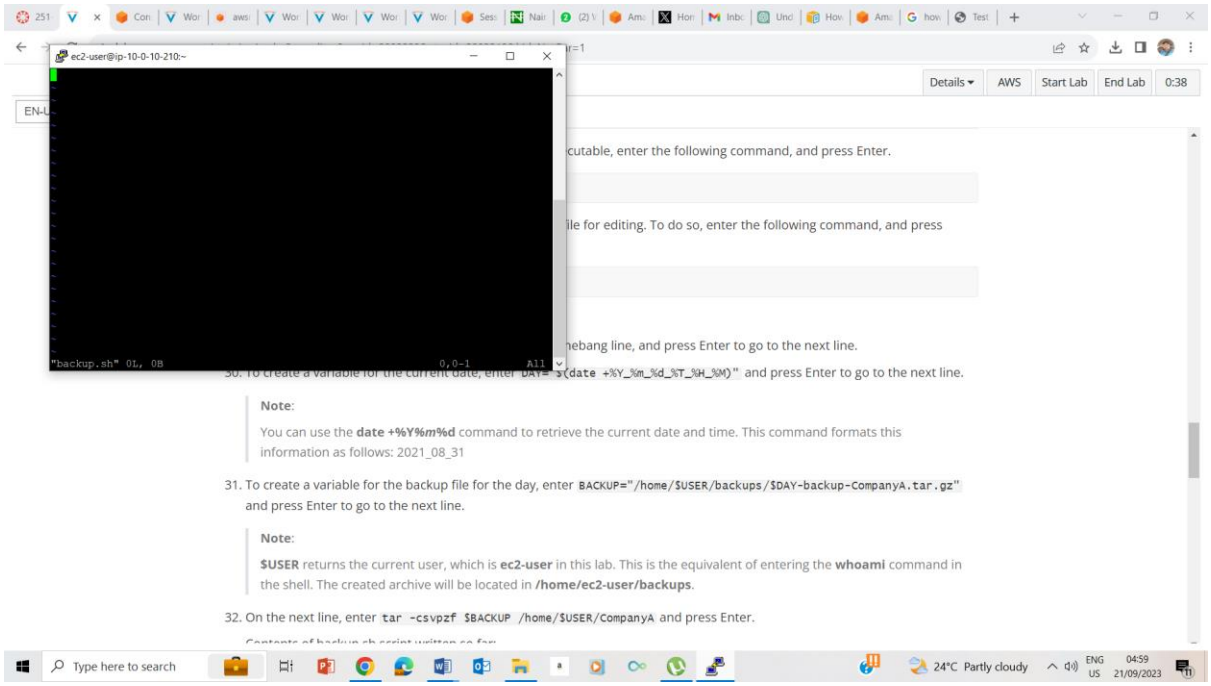
24. Validating that I am on the home folder by typing pwd and pressing enter

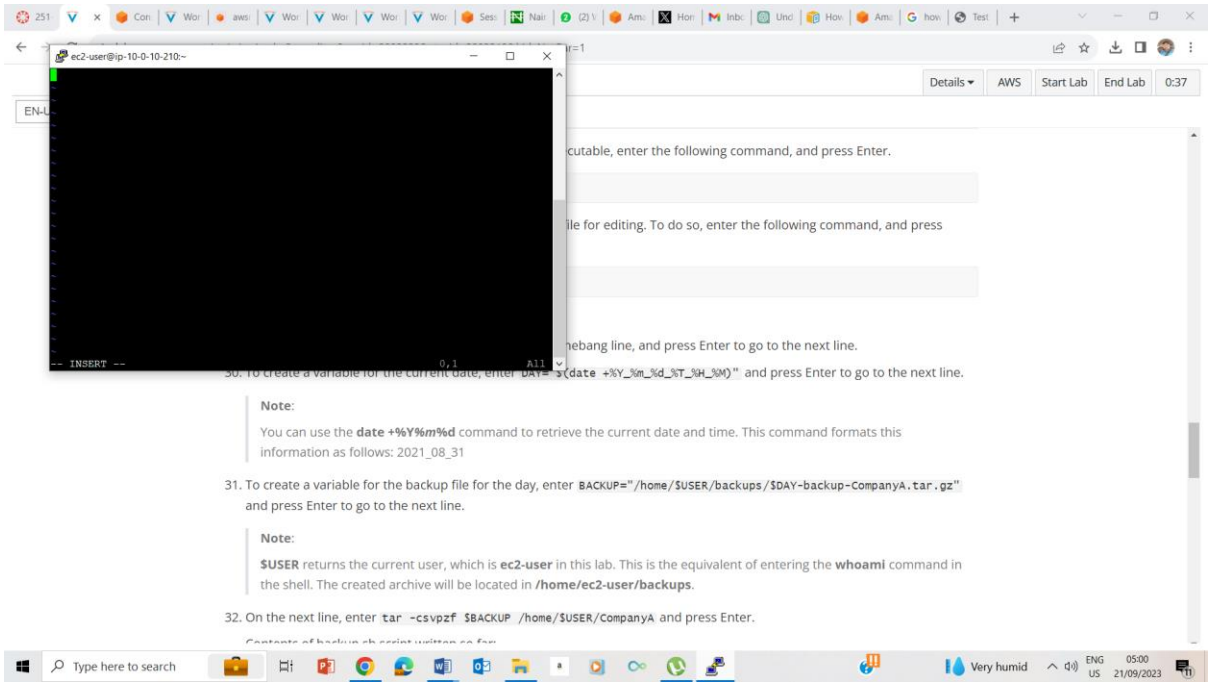


25. Created a generic shell script called backup.sh

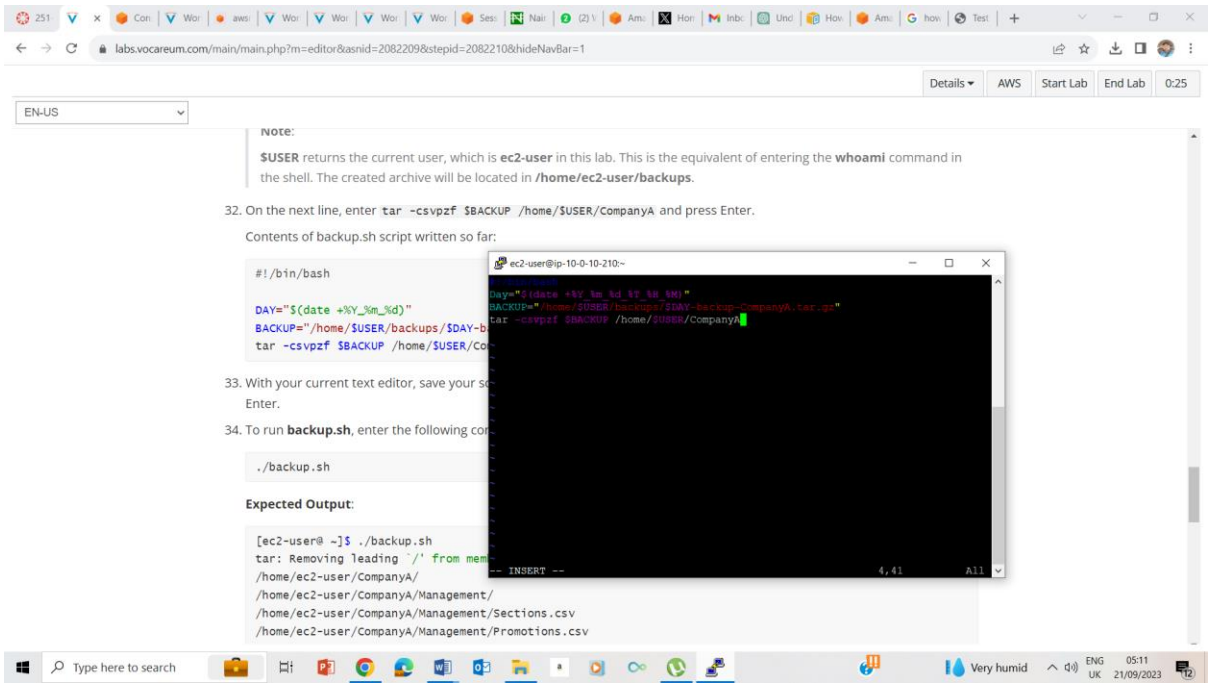


26. Changed privileges to backup.sh

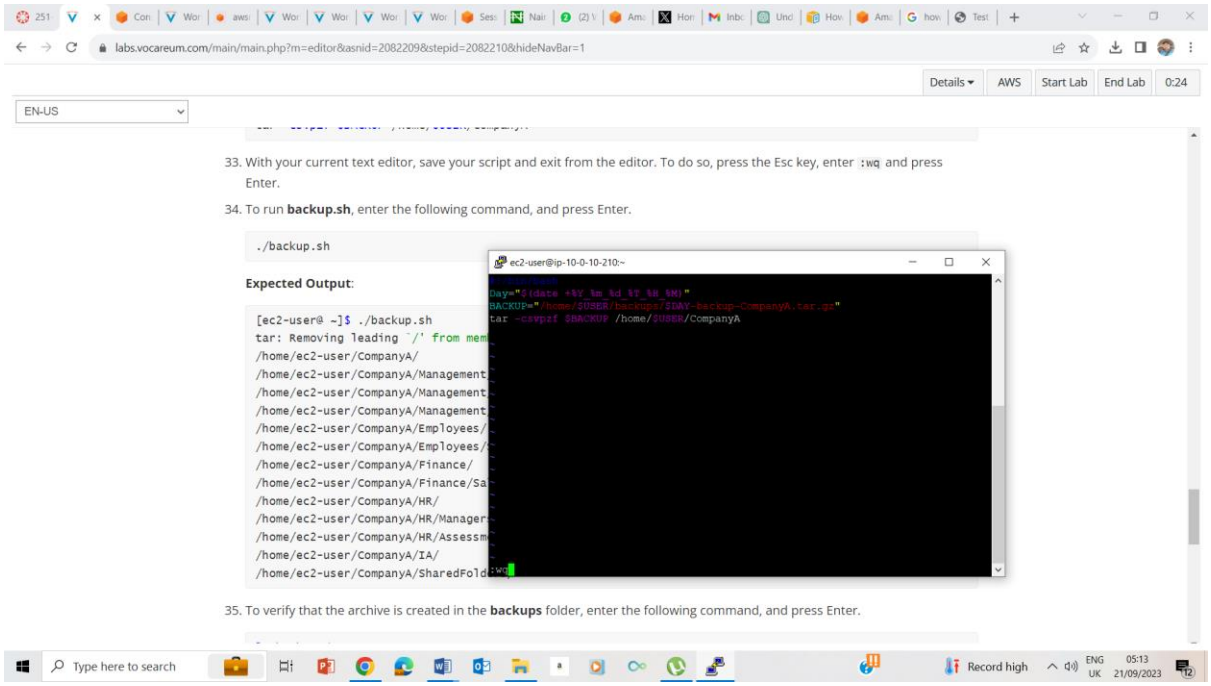




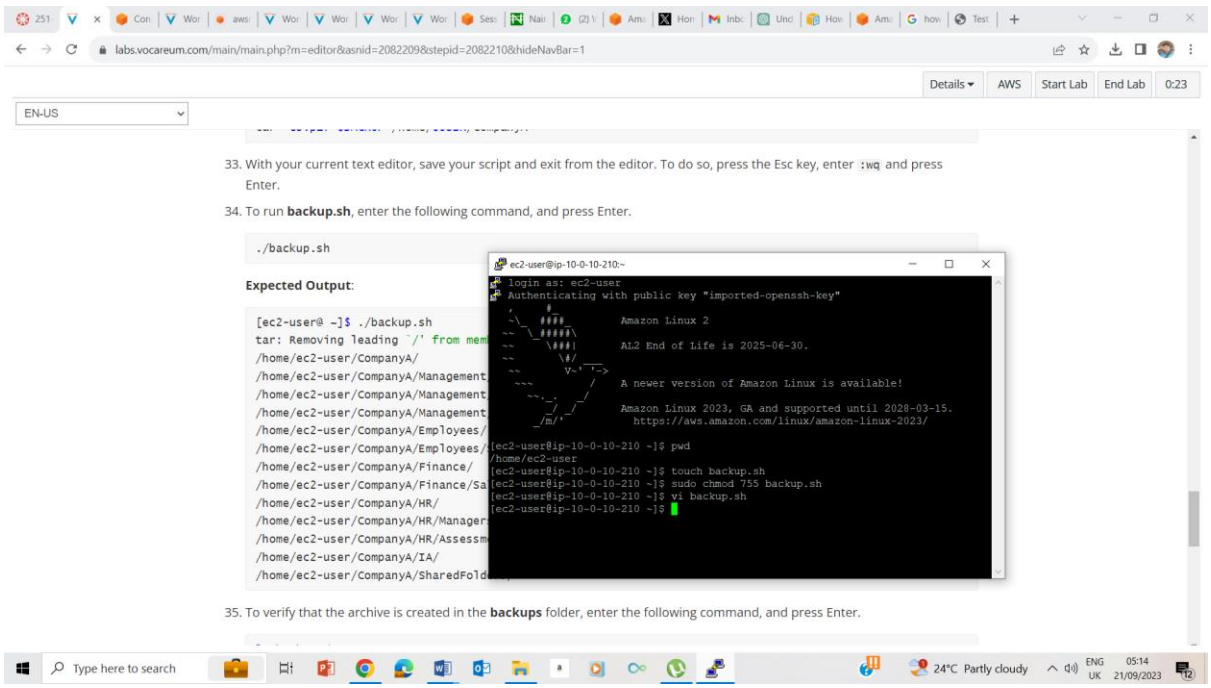
27-28. I used vi backup.sh and entered the insert mode by typing 'I' and pressing enter.



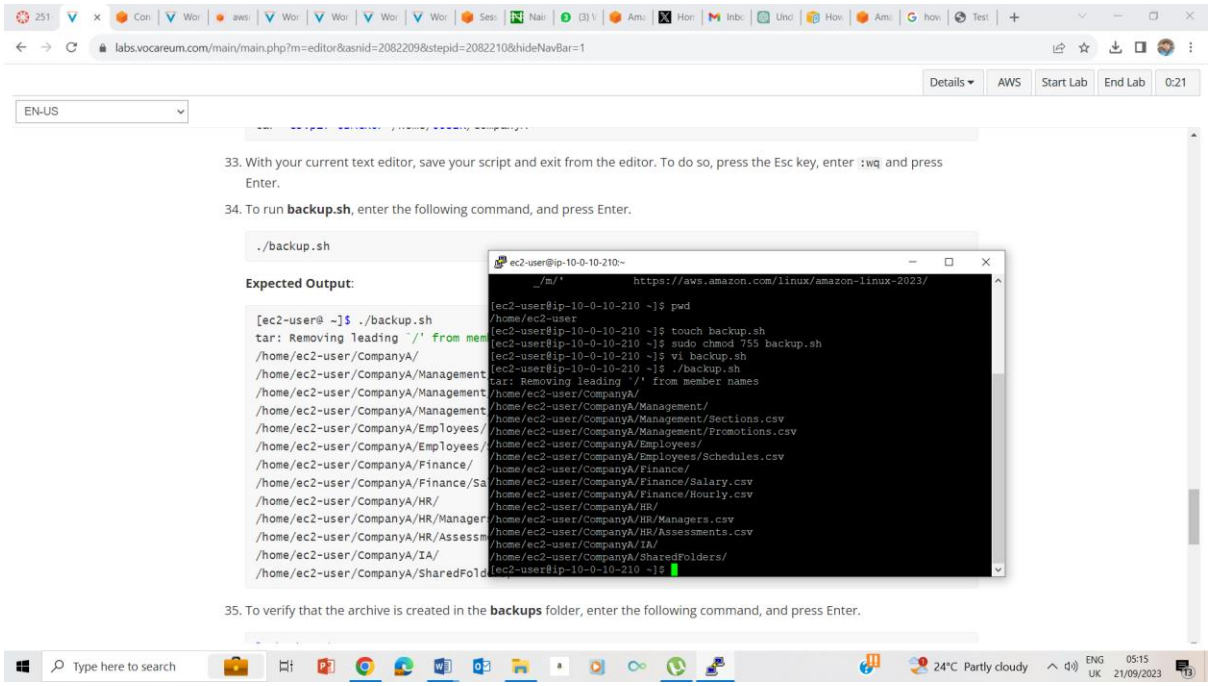
27-31. Entering the scripts.

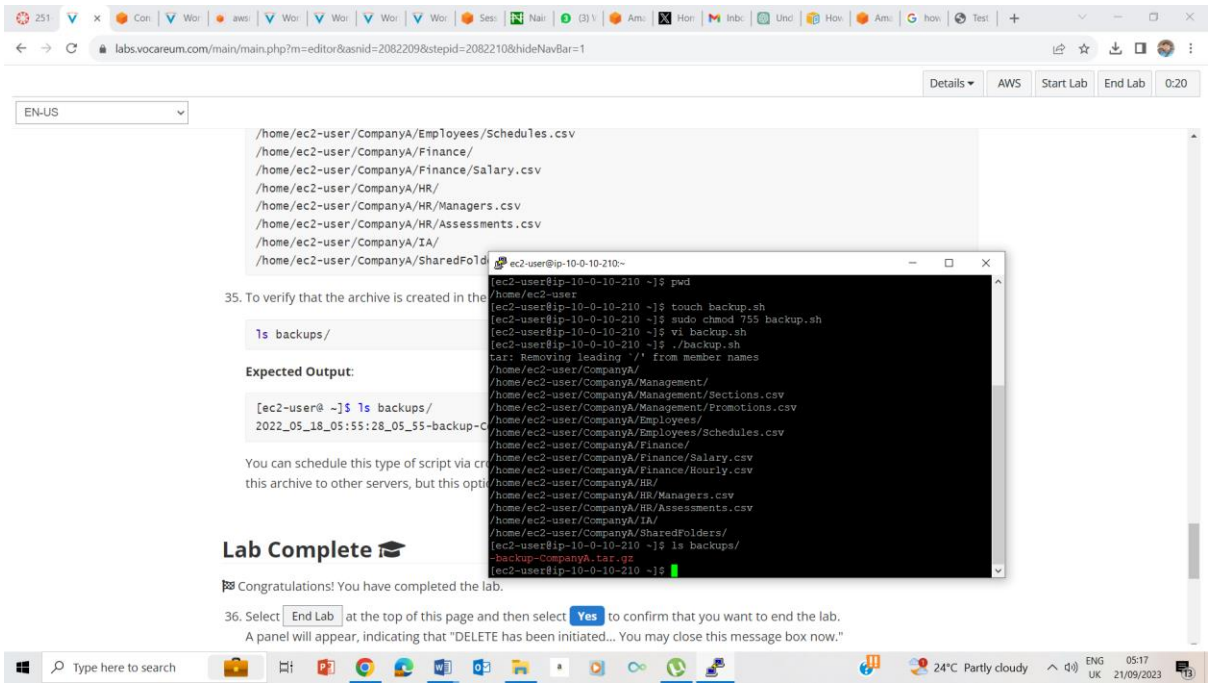


33. I pressed Esc key and :wq to save and quit.



34. running the backup.sh





35. Verifying the archive by ls backups/

Lab Complete