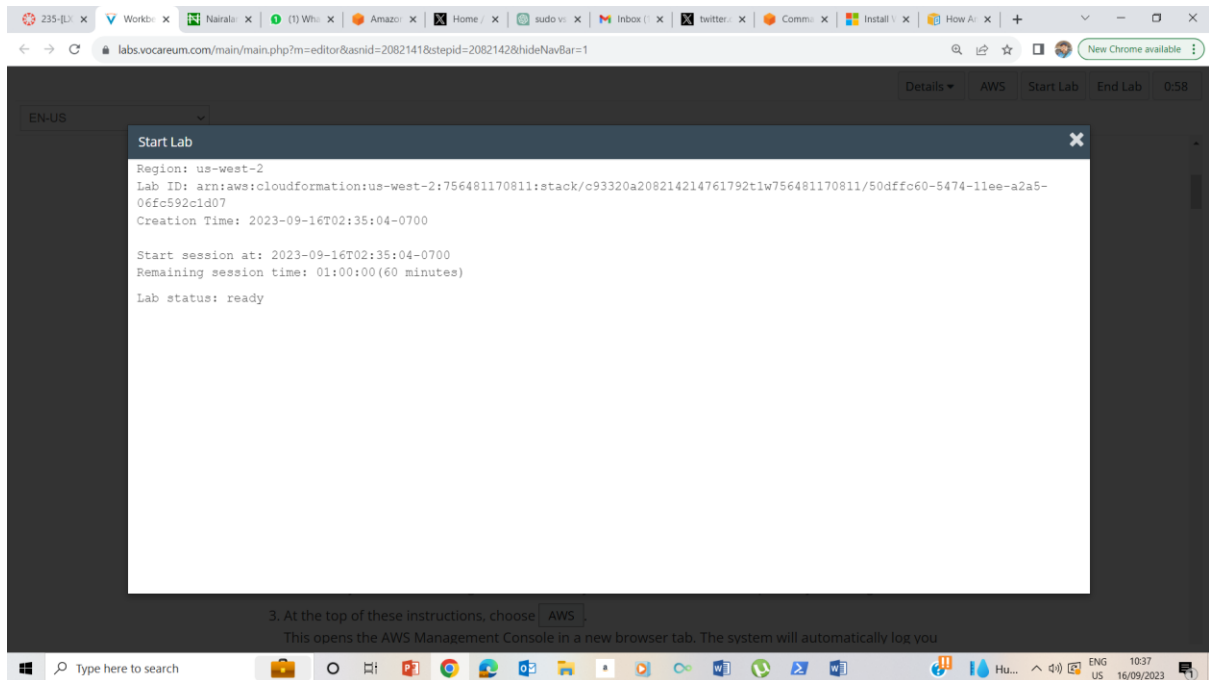
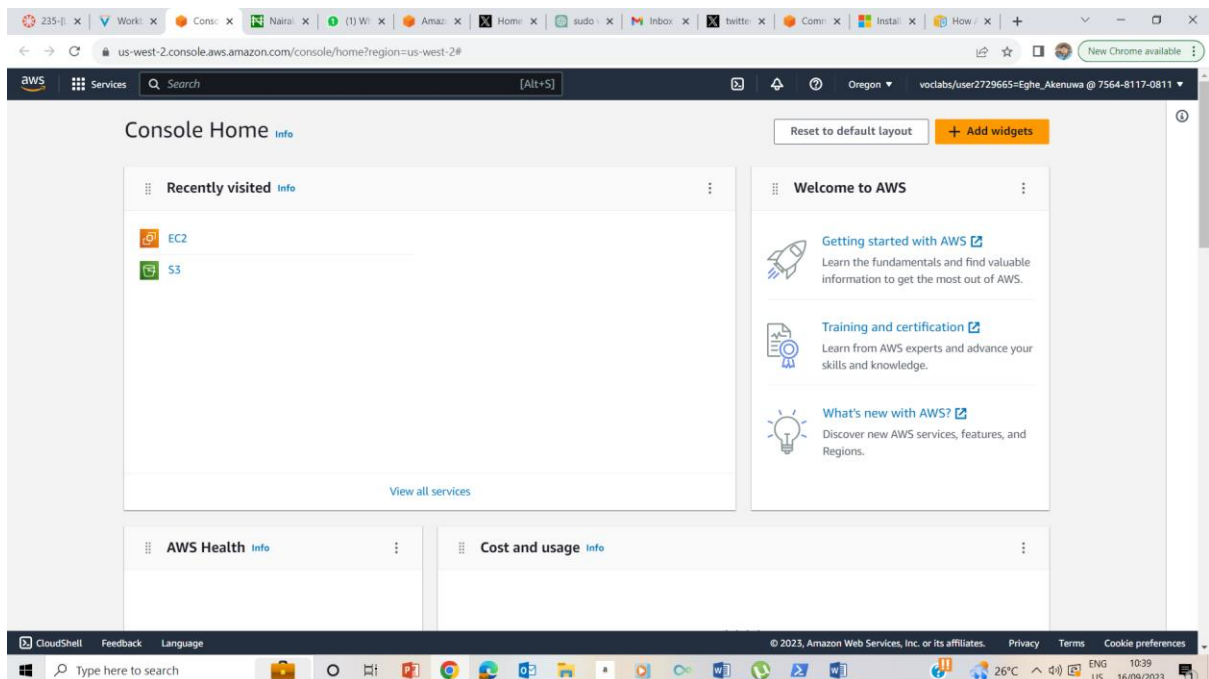


# Working with Files



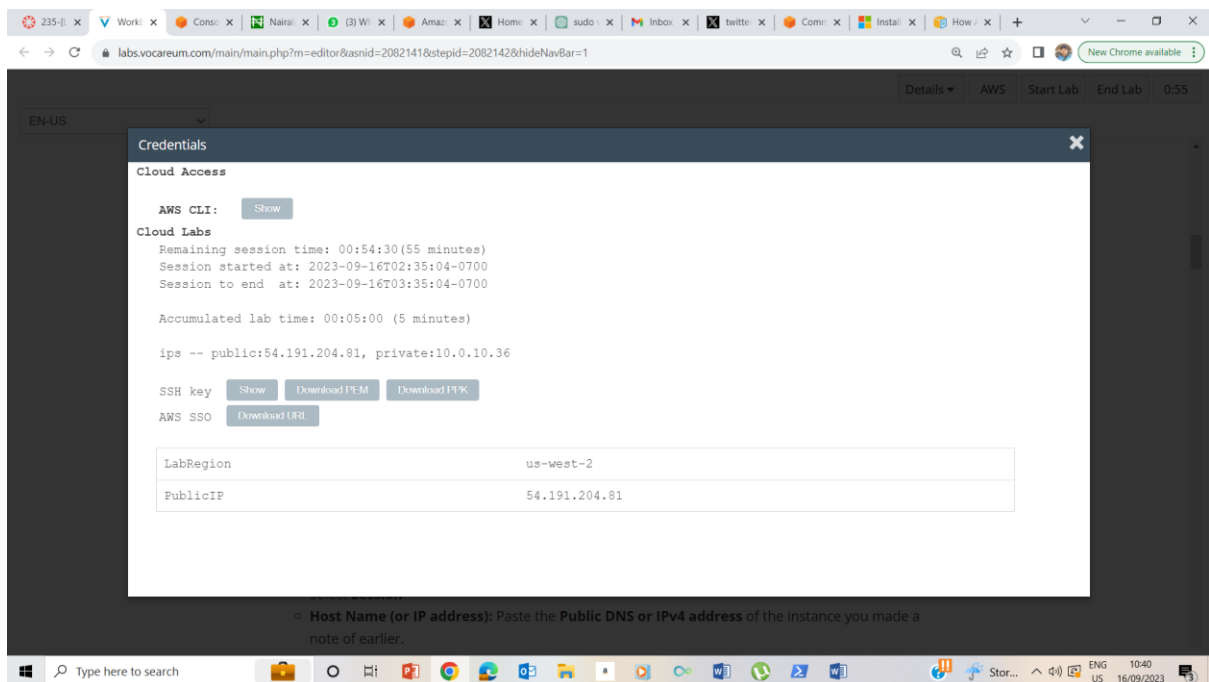
Start Status - Ready

## Accessing the AWS Management Console

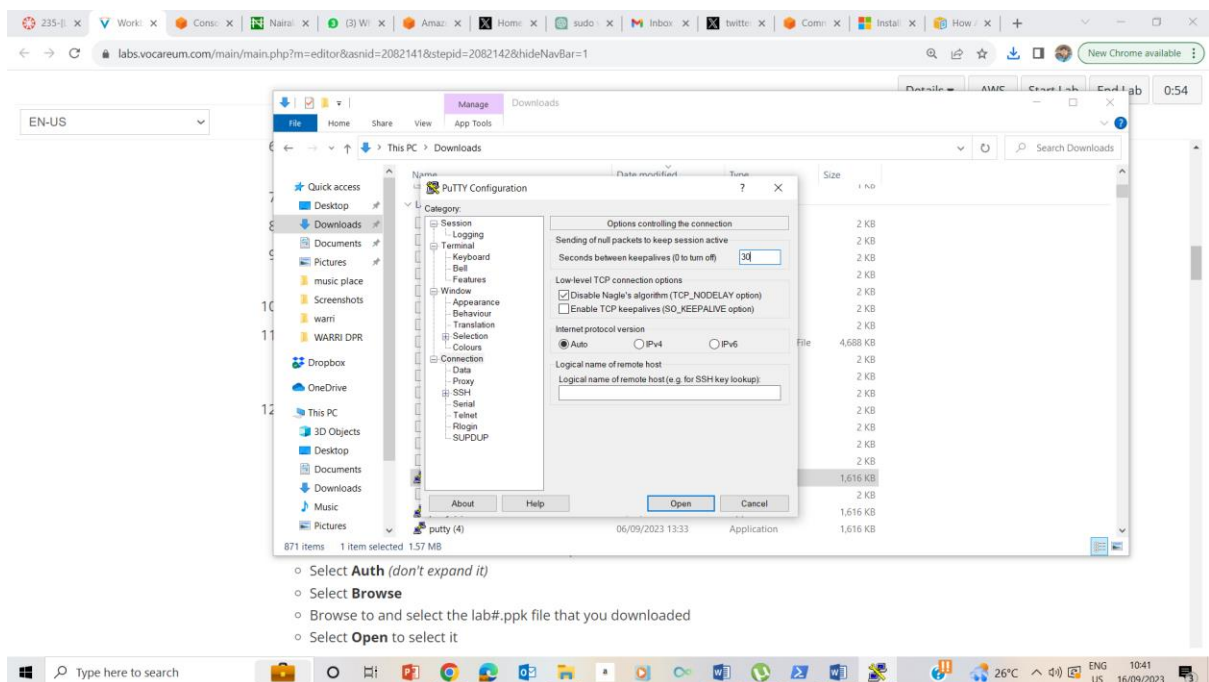


Clicked AWS button and took me to AWS Management console

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



Clicked on the Details dropdown box and clicked on Show. On the credentials page, downloaded PPK and also noted the public ip address



Downloaded Putty, ran the putty.exe file and set the timealives to 30

EN-US

6. Select the **Download PPK** button and save the **labsuser.ppk** file.  
*Typically your browser will save it to the Downloads directory.*

7. Make a note of the **Public IP** value.

8. Then exit the Details page.

9. Download **PuTTY** to your computer, [download](#).

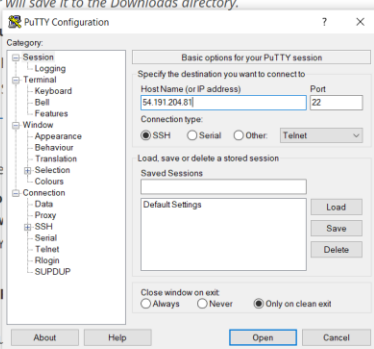
10. Open **putty.exe**.

11. Configure PuTTY time settings.

- Select **Connection**.
- Set **Seconds between connection attempts** to 30.

12. Configure your PuTTY session.

- Select **Session**.
- **Host Name (or IP address)**: Enter the Public IP value you noted earlier.
- Alternatively, return to the instance page, click **Connect** 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**.
- Browse to and select the lab#.ppk file that you downloaded.
- Select **Open** to select it.



## Input the public ip in the session box

EN-US

6. Select the **Download PPK** button and save the **labsuser.ppk** file.  
*Typically your browser will save it to the Downloads directory.*

7. Make a note of the **Public IP** value.

8. Then exit the Details page.

9. Download **PuTTY** to your computer, [download](#).

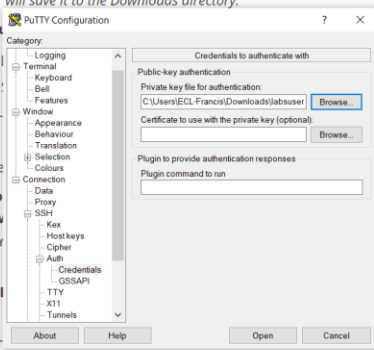
10. Open **putty.exe**.

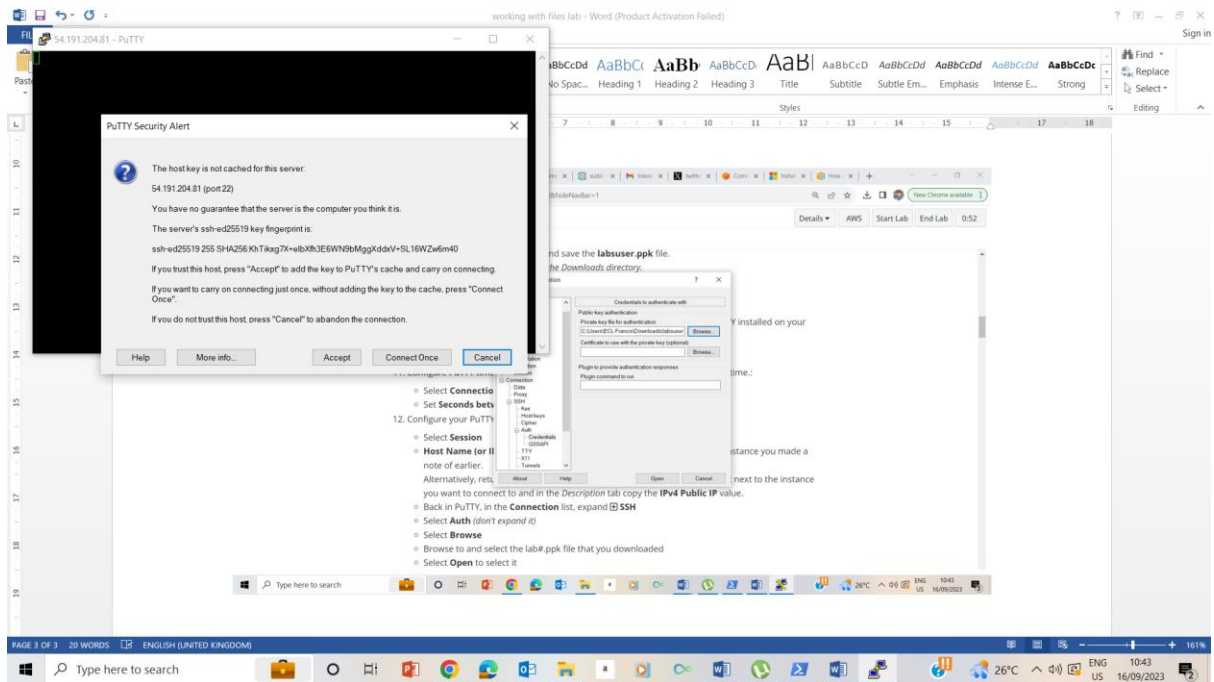
11. Configure PuTTY time settings.

- Select **Connection**.
- Set **Seconds between connection attempts** to 30.

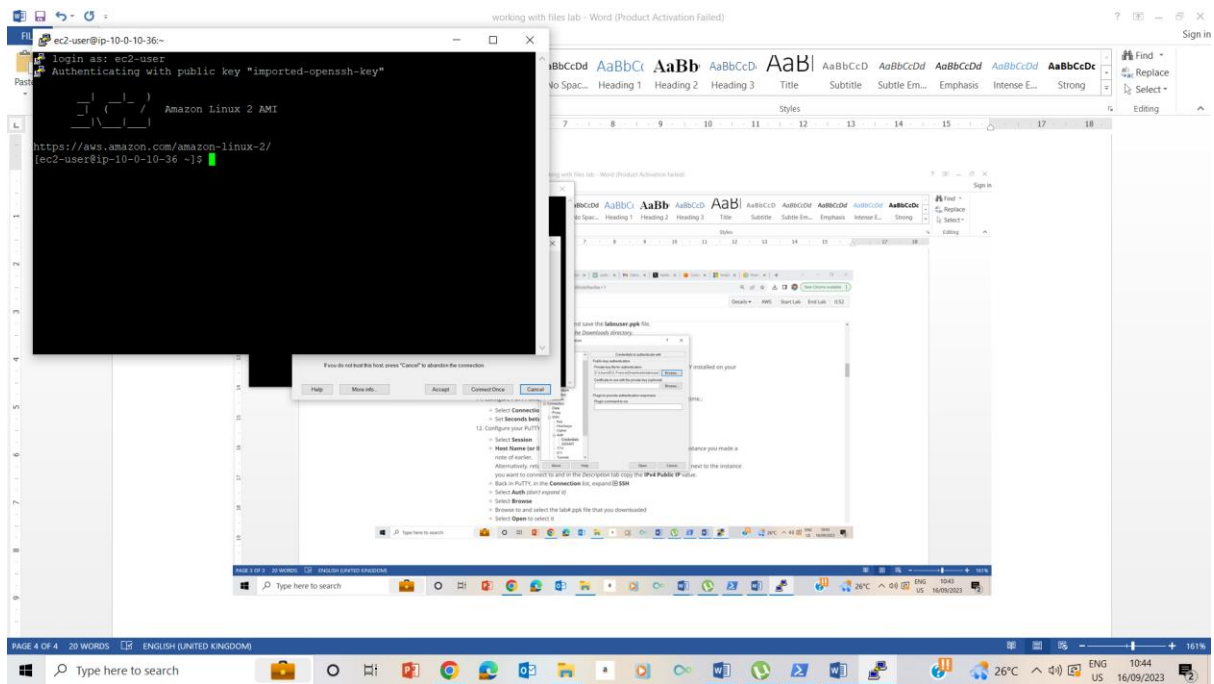
12. Configure your PuTTY session.

- Select **Session**.
- **Host Name (or IP address)**: Enter the Public IP value you noted earlier.
- Alternatively, return to the instance page, click **Connect** 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**.
- Browse to and select the lab#.ppk file that you downloaded.
- Select **Open** to select it.





Accept the session to trust and connect to the host.



Connected as ec2-user

24. To ensure that you are in the `/home/ec2-user/` folder, enter the following command into the terminal and press Enter.

```
pwd
```

Expected output:

```
[ec2-user@ ~]$ pwd
/home/ec2-user
```

25. To validate that the **CompanyA** folder exists, enter the following command into the terminal and press Enter.

```
ls -R CompanyA
```

## Ls –R CompanyA

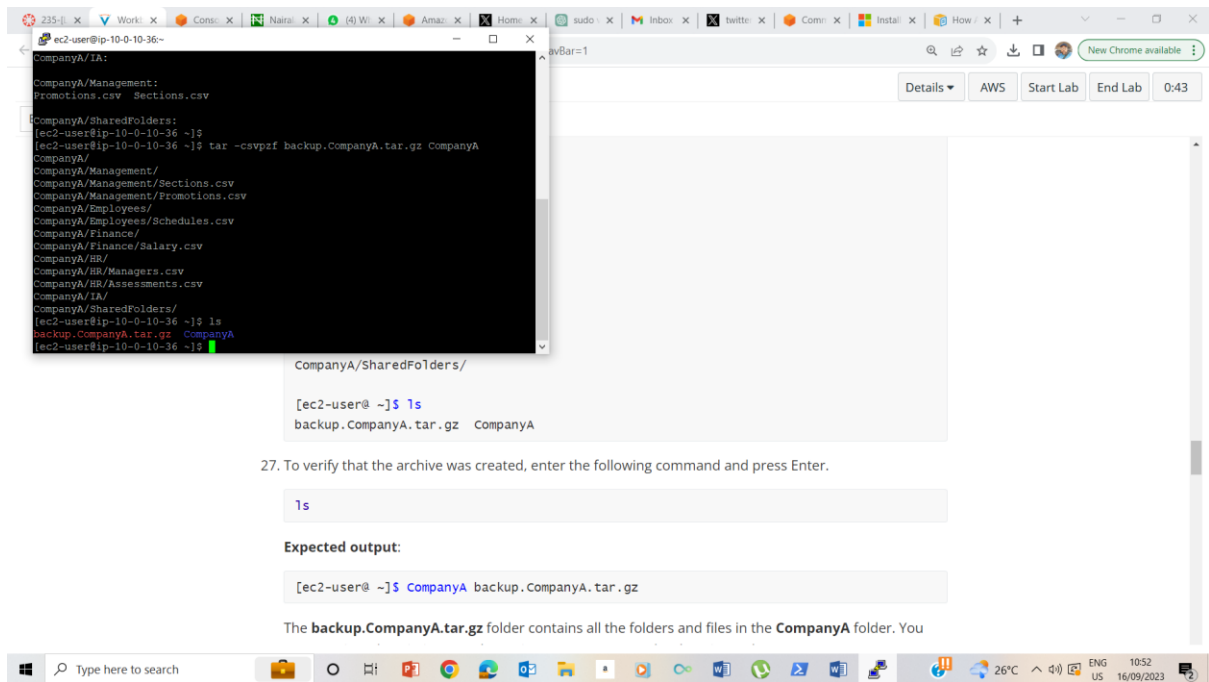
26. To backup the entire **CompanyA** folder structure recursively, enter the following command and press Enter.

```
tar -cvpzf backup.CompanyA.tar.gz CompanyA
```

Expected output:

```
CompanyA/
CompanyA/Management/
CompanyA/Management/Sections.csv
CompanyA/Management/promotions.csv
CompanyA/Employees/
CompanyA/Employees/Schedules.csv
CompanyA/Finance/
CompanyA/Finance/Salary.csv
CompanyA/HR/
CompanyA/HR/Managers.csv
CompanyA/HR/Assessments.csv
CompanyA/IA/
CompanyA/SharedFolders/
```

## 26. Backup of CompanyA file



27. To verify that the archive was created, enter the following command and press Enter.

```
ls
```

Expected output:

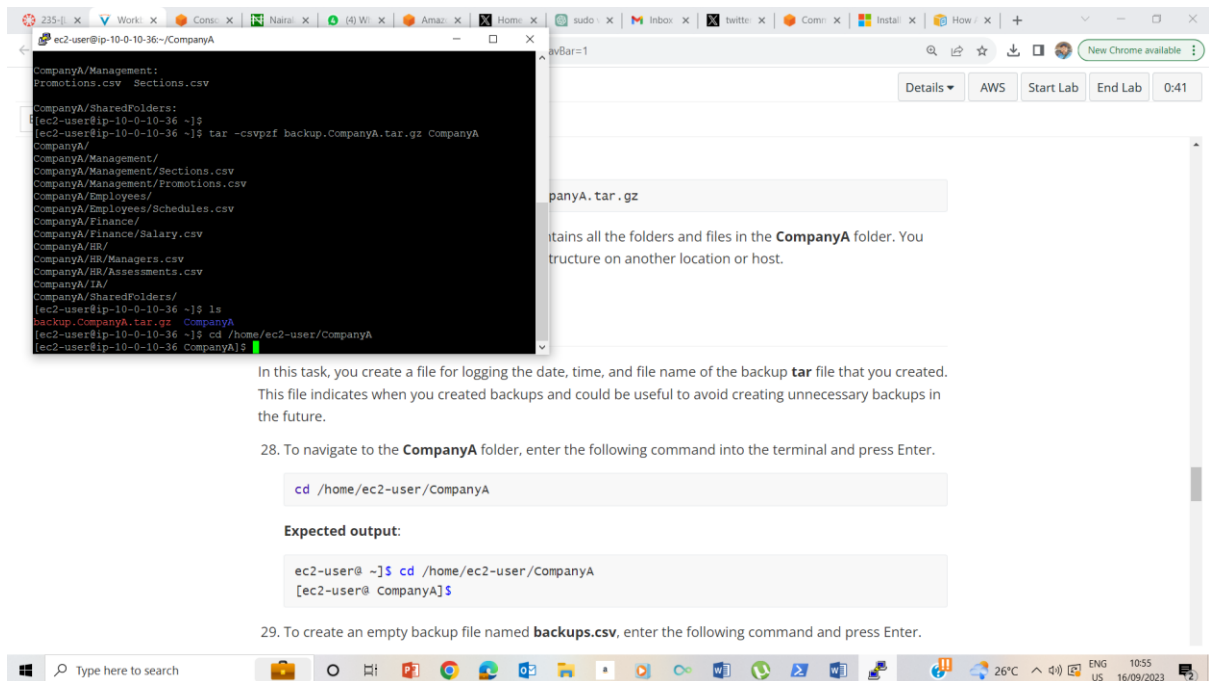
```
[ec2-user@ ~]$ ls
backup.CompanyA.tar.gz  CompanyA
```

The **backup.CompanyA.tar.gz** folder contains all the folders and files in the **CompanyA** folder. You

27 Ls showing the backup file of CompanyA

## Task 3: Log the backup

28.



In this task, you create a file for logging the date, time, and file name of the backup **tar** file that you created. This file indicates when you created backups and could be useful to avoid creating unnecessary backups in the future.

28. To navigate to the **CompanyA** folder, enter the following command into the terminal and press Enter.

```
cd /home/ec2-user/CompanyA
```

Expected output:

```
ec2-user@ ~]$ cd /home/ec2-user/CompanyA
[ec2-user@ CompanyA]$
```

29. To create an empty backup file named **backups.csv**, enter the following command and press Enter.

28. LOG the back up with `cd /home/ec2-user/CompanyA`

29.





**Task 4. Move the backup file**

In this task, you transfer the backup file to the **IA** folder. In a real-life scenario, you could follow these steps to make the file accessible to another user or team that does not have access to the folder where you created the backup file.

32. To validate that you are in the **CompanyA** folder in the terminal, enter the following command and press Enter.

```
pwd
```

**Expected output:**

```
[ec2-user@ CompanyA]$ pwd
/home/ec2-user/CompanyA
```

32. Validation that I am in CompanyA folder in the terminal.

**Expected output:**

```
[ec2-user@ CompanyA]$ pwd
/home/ec2-user/CompanyA
```

33. To transfer the backup file to the IA team computer, enter the following command and press Enter.

```
mv ../backup_CompanyA.tar.gz IA/
```

34. To verify that the backup file was moved, enter the following command and press Enter.

```
ls -l IA
```

To transfer the backup file to the IA team computer

**Expected output:**

```
[ec2-user@ CompanyA]$ mv ../backup_CompanyA.tar.gz IA/
[ec2-user@ CompanyA]$ ls -l IA
-rw-r--r-- 1 ec2-user ec2-user 1024000 2021-08-25 16:59 backup_CompanyA.tar.gz
```

To transfer the backup file to the IA team computer

34 To verify that the backup file was moved



## Lab Complete

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