Manual for Connecting and Managing Users on an Amazon Linux EC2 Instance

Task 1: Use SSH to Connect to an Amazon Linux EC2 Instance

Windows Users: Using SSH to Connect

1. Open the **Details** drop-down menu and select **Show** to access the Credentials window.

2. Click **Download PPK** and save the labsuser.ppk file.

3. Note the **Public IP** address of your EC2 instance.

4. Close the Credentials window.

5. Download and install **PuTTY** (if not installed).

6. Open **putty.exe** and configure your session following AWS guidelines.

macOS and Linux Users: Using SSH to Connect

1. Open the **Details** drop-down menu and select **Show** to access the Credentials window.

2. Click **Download PEM** and save the labsuser.pem file.

3. Note the **Public IP** address of your EC2 instance.

4. Close the Credentials window.

5. Open a terminal and navigate to the directory where labsuser.pem is saved:

6. cd ~/Downloads

7. Modify permissions for the key file:

8. chmod 400 labsuser.pem

9. Connect using SSH:

10. ssh -i labsuser.pem ec2-user@<public-ip>

11. Type **yes** when prompted.

Task 2: Create Users

Users List

First Name	Last Name	User ID	Job Role	Starting Password
Alejandro	Rosalez	arosalez	Sales Manager	P@ssword1234!
Efua	Owusu	eowusu	Shipping	P@ssword1234!
Jane	Doe	jdoe	Shipping	P@ssword1234!
Li	Juan	ljuan	HR Manager	P@ssword1234!
Mary	Major	mmajor	Finance Manager	P@ssword1234!
Mateo	Jackson	mjackson	CEO	P@ssword1234!
Nikki	Wolf	nwolf	Sales Representative	P@ssword1234!
Paulo	Santos	psantos	Shipping	P@ssword1234!
Sofia	Martinez	smartinez	HR Specialist	P@ssword1234!
Saanvi	Sarkar	ssarkar	Finance Specialist	P@ssword1234!

Commands to Create Users

sudo useradd <User ID>

sudo passwd <User ID>

Validate user creation:

sudo cat /etc/passwd | cut -d: -f1

Task 3: Create Groups and Assign Users

Groups List

- Sales

- HR

- Finance

- Personnel

- CEO

- Shipping

- Managers

Create Groups

sudo groupadd <Group Name>

Validate groups:

cat /etc/group

Assign Users to Groups

sudo usermod -a -G <Group Name> <User ID>

Group Membership

Group Name User IDs

Group Name	User IDs
Sales	arosalez, nwolf
HR	ljuan, smartinez
Finance	mmajor, ssarkar
Shipping	eowusu, jdoe, psantos
Managers	arosalez, ljuan, mmajor
CEO	mjackson

Add ec2-user to all groups:

sudo usermod -a -G Sales,HR,Finance,Shipping,Managers,CEO ec2-user

Validate group memberships:

sudo cat /etc/group

Task 4: Log in Using New Users

Log in as a New User

su <User ID>

Enter the password when prompted.

Test Permissions

Try creating a file:

touch myFile.txt

If permission is denied, try using sudo:

sudo touch myFile.txt

If sudo access is denied, exit to the previous user:

exit

Check the security logs:

sudo cat /var/log/secure

This will display logged sudo attempts and access permissions.

End of Manual