Logo

Description automatically generated

Etech Team3 Group level project3

;

Etech Consulting Devops Master Training:

=======================================

New york,USA,+13478735512/+1 667 786 8741

========================================

Linux Project4:

Questions1:

1. write a shell script to perform systems analysis including the following commands

- sudo apt update -y

- cat /etc/os-release

- echo $SHELL

- df -h

- free -g

- lscpu

- top

Here your script should capture the following data:

1. who is running the script

2. the output cat /etc/os-release should be redirected to a file called

<groupname>.log within the script

3. who location was the script ran

4. print message "welcome to Etech Consulting Devops MasterClass"

5. Print out the exit status of your script

Question2:

Write a shell script to automate your bank account balance every after a withdraw

lets say initially your balance was $20000; your script should do the following tasks

1. take inputs from customer(user)

2. perform some computations on your account and print out the receipt in the following format

- Beginning balance = ?

- amount withdrawn = ?

- current Balance = ?

- the person that did the transaction= ?

- The date and time the transaction was made = ?

- print a message " this atmcard belongs to $groupname" - Thanks for using $Bankname and hope to see you soon hints: $groupname should reflect your group in Etech and revise your variables notes

Question3:

- Write a shell script to mount an ebs volume to an ec2 instance with the following data point

. Your mount point should be /mnt/$groupname

. mount 2 disk of 1G each.

- Submit screenshot of the 'lsblk' to show disk was succesfully mounted develop a line in your script to umount the disk after 10 seconds of attaching

Question 4: write a shell script to backup and archive all logs from /var/log/auth.log such that your backup file name should be yourgroup.date.log your script should equally transfer the tar file into the remote server with below details: ip address:

username: team3 key: team3key.pem directory: /tmp/monitor

the key 'team3key.pem' will be dropped on your class channel

Good luck and Happy time at Etech!!