

## **IT Engineer Machine Test Question**

Welcome to the RHCE (Red Hat Certified Engineer) Exam! This is a certification exam that tests your skills in managing and administering Red Hat Enterprise Linux systems. The exam focuses on real-world scenarios and practical tasks to assess your ability to configure, manage, and troubleshoot Linux systems.

### **SCENARIO 1**

In my machine I don't have a network manager(nmtui/nmcli) utility so can you configure my network with following details

hostname=yourname.acciva.in

IPADDR=172.16. 150.xx

NETMASK=255.255.0.0

DNS=1.1.1.1,8.8.8.8

GATEWAY=172.16.16.16

### **SCENARIO 2**

I have heard about the key based SSH server access. Please add this for me and let me know key details to access it, and also wanted protect my key with a password.

### **SCENARIO 3**

Create a 2GB swap partition which take effect automatically at boot-start, and it should not affect the original swap partition

## SCENARIO 4

- According to the following requirements to create user, user group and the group members:
  - (1) A group named admin.
  - (2) A user named Mary, and belong to admin as the secondary group.
  - (3) A user named Alice, and belong to admin as the secondary group.
  - (4) A user named bobby; bobby's login shell should be non-interactive. Bobby not belongs to admin as the secondary group.

Mary, Alice, bobby users must be set "password" as the their password.

- Create a Shared Directory.
  - (1) Create a shared directory /home/admins, make it has the following characteristics:
    - /home/admins belong to group admin user
    - This directory can be read and written by members of group admin
    - Any files created in /home/ admin, group automatically set as admin

## SCENARIO 5

One of your clients wants to host a new dynamic website so Install and Configure LEMP Stack Environment so he can host his website

## SCENARIO 6

Hi there,

I'm working on site update, I want to add a maintenance page for my site. Please create a maintenance page and add it for me. My domain name is: - <your name>. acciva.in

## SCENARIO 7

Set the SELinux in **disable** mode.

- 1) Make sure the SELinux is in **Disable** mode

## **SCENARIO 8**

I came to know that the following IP addresses are known spammers. Can you please block the following IP address from only accessing my website. I don't want them to steal any information from the site and spam it.

2.39.80.25

2.50.21.245

2.90.17.230

## **SCENARIO 9**

You are on a LAN with 3 workstations and 1 Server. Server IP is 172.16.99.99. You want to provide a website (learn.linux.in) from the server. You only need to access it in LAN. And it should be accessible by learn.linux.in, not IP

## **SCENARIO 10**

Install and configure a WordPress website on your server. Provide the necessary steps to accomplish this task. In your answer, provide the specific commands or steps required to install and configure WordPress website on a server.

- 1) Create a script to back up the environment created via scenario 10
  - Make sure the database, as well as application configuration files, are backed up
  - The backup file should be named with the filename and date example [backup.28-08-2023.zip].