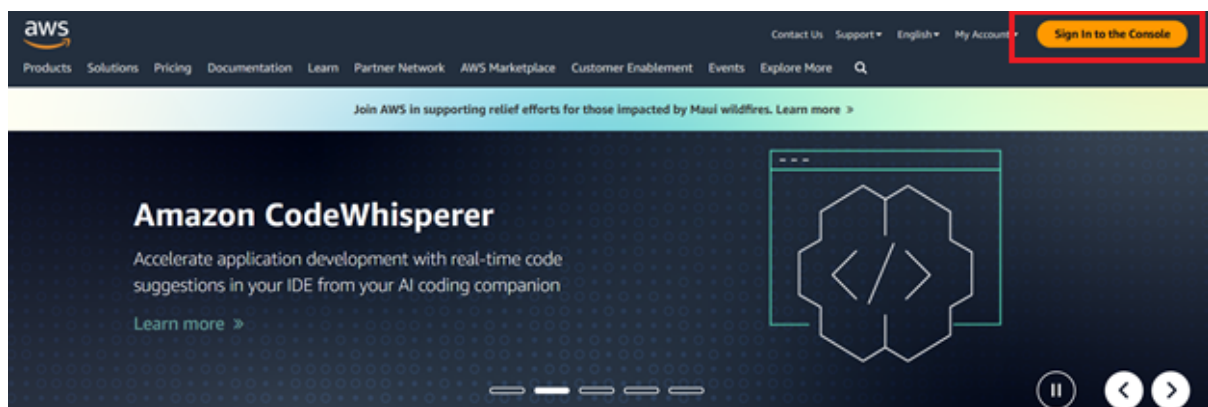


How To Create a AWS Account and LOGIN TO EC2 MACHINE

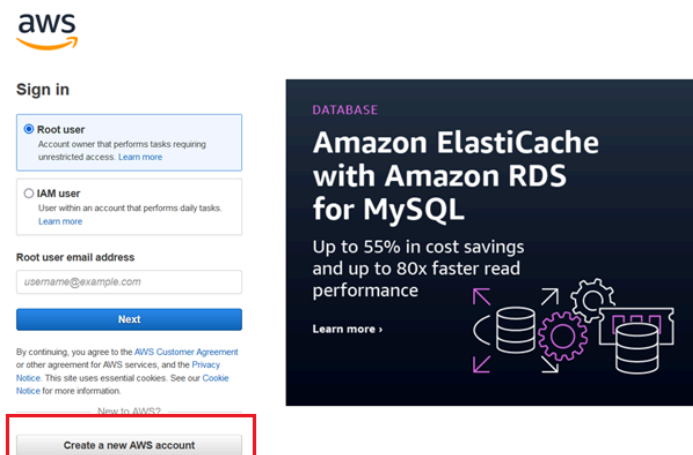
Step 1: Visit AWS Website

Go to the AWS website at [URL](https://aws.amazon.com/) click on “Sign into the Console”




Step 2: Click “Create an AWS Account”

Click the “Create an AWS Account” button on the top right corner of the AWS homepage.




Step 3: Provide Your Email Address

Enter your email address and choose “I am a new user.” then enter the verification code process then Click “Next.”



Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.



Sign up for AWS

Root user email address
Used for account recovery and some administrative functions

AWS account name
Choose a name for your account. You can change this name in your account settings after you sign up.

Verify email address

OR

Sign in to an existing AWS account




Step 4: Enter Your Account Information

Fill in the required information, including your name, desired AWS account name, and password. Click “Next.”

Sign up for AWS

Free Tier offers

All AWS accounts can explore 3 different types of free offers, depending on the product used.

-  **Always free**
Never expires
-  **12 months free**
Start from initial sign-up date
-  **Trials**
Start from service activation date

Contact Information

How do you plan to use AWS?


☐ Business - for your work, school, or organization

☐ Personal - for your own projects

Who should we contact about this account?

Full Name

Phone Number

 +1 222-333-4444

Country or Region

United States

Address

Apartment, suite, unit, building, floor, etc.

City

Step 5: Update Contact Information

Provide your contact information, including your phone number and address. Click “Next.”

Address

Apartment, suite, unit, building, floor, etc.

City

State, Province, or Region

Postal Code


☐ I have read and agree to the terms of the [AWS Customer Agreement](#)

Continue (step 2 of 5)

Step 6: Payment Information

Enter your payment information. AWS requires a valid credit card for account creation, even for the free tier. Fill in the necessary details and click “Secure Submit.”

Secure verification

 We will not charge you for usage below AWS Free Tier limits. We may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.



Sign up for AWS

Billing Information

Credit or Debit card number



AWS accepts all major credit and debit cards. To learn more about payment options, review our [FAQ](#)

Expiration date

Month ▼

Year ▼

Security code 

••••••••

Cardholder's name

Billing address

☒ Use my contact address

••••••••••
••••••••••
IN

☐ Use a new address

Step 7: Identity Verification

AWS will perform an identity verification process, usually by making an automated call to the phone number you provided. Follow the instructions for verification.



Sign up for AWS

Confirm your identity

Verify code

Continue (step 4 of 5)

Having trouble? Sometimes it takes up to 10 minutes to retrieve a verification code. If it's been longer than that, [return to the previous page](#) and try again.

Step 8: Choose a Support Plan

Choose the desired AWS support plan. If you're just starting out, you might choose the free Basic support plan. Click "Continue."



Sign up for AWS

Confirm your identity [Info](#)

Primary purpose of account registration

Choose one that best applies to you. If your account is tied to a business, select the one that applies to your business.

Personal use ▼

Ownership type

Individual ▼

Continue (step 4 of 5)

Sign up for AWS

Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#)
[🔗](#). You can change your plan anytime in the AWS Management Console.

☒ **Basic support - Free**

- Recommended for new users just getting started with AWS
- 24x7 self-service access to AWS resources
- For account and billing issues only
- Access to Personal Health Dashboard & Trusted Advisor



☐ **Developer support - From \$29/month**

- Recommended for developers experimenting with AWS
- Email access to AWS Support during business hours
- 12 (business)-hour response times



☐ **Business support - From \$100/month**

- Recommended for running production workloads on AWS
- 24x7 tech support via email, phone, and chat
- 1-hour response times
- Full set of Trusted Advisor best-practice recommendations





Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#) 🔗

[Complete sign up](#)

Step 9: Confirmation

Review your details and make sure everything is accurate. Read and accept the AWS Customer Agreement, AWS Service Terms, and AWS Privacy Notice. Click “Create Account and Continue.” And your account will be created.



Congratulations

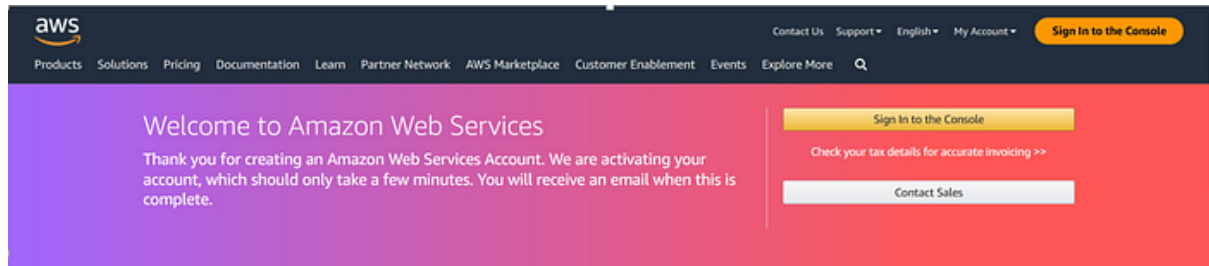
Thank you for signing up for AWS.

We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

[Go to the AWS Management Console](#)

Step 10: Access the AWS Management Console

Once the setup is complete, you can access the AWS Management Console using your new AWS account credentials.



Then , Sign In with your credentials !!!

Create your First ec2 instance

1.Sign in to the AWS Management Console and open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>.

2.On the EC2 Dashboard, choose Launch instance.

3.Under Name and tags, for Name, enter a name to identify your instance. For this tutorial, name the instance tutorial-instance-manual-1.

While the instance name is not mandatory, the name will help you easily identify it.

4. Under Application and OS Images, choose an AMI that meets your web server needs. This tutorial uses Amazon Linux.

5. Under Instance type, for Instance type, select an instance type that meets your web server needs. This tutorial uses t2.micro.

6. Under **Key pair (login)**, for **Key pair name**, choose your key pair. (if already created or create new key pair)

Download it locally for future Login!!!!

7. Under Network settings

The screenshot shows the 'Network settings' section of the AWS Management Console. At the top, there is a header with a dropdown arrow, the text 'Network settings', and an 'Info' link. To the right of this header is an 'Edit' button. Below the header, the 'Network' section is expanded, showing the VPC ID 'vpc-01c31d967ccfa1136' and an 'Info' link. The 'Subnet' section shows 'No preference (Default subnet in any availability zone)' and an 'Info' link. The 'Auto-assign public IP' section is set to 'Enable', with a note that 'Additional charges apply when outside of free tier allowance'. The 'Firewall (security groups)' section has an 'Info' link and a description: 'A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.' There are two radio buttons: 'Create security group' (selected) and 'Select existing security group'. Below this, a message states: 'We'll create a new security group called 'launch-wizard-17' with the following rules:'. Three rules are listed: 1. 'Allow SSH traffic from' (checked), with a sub-note 'Helps you connect to your instance' and a dropdown menu set to 'Anywhere' (0.0.0.0/0). 2. 'Allow HTTPS traffic from the internet' (unchecked), with a sub-note 'To set up an endpoint, for example when creating a web server'. 3. 'Allow HTTP traffic from the internet' (unchecked), with a sub-note 'To set up an endpoint, for example when creating a web server'.

▼ Network settings Info Edit

Network Info
vpc-01c31d967ccfa1136

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance

Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-17' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance
Anywhere
0.0.0.0/0

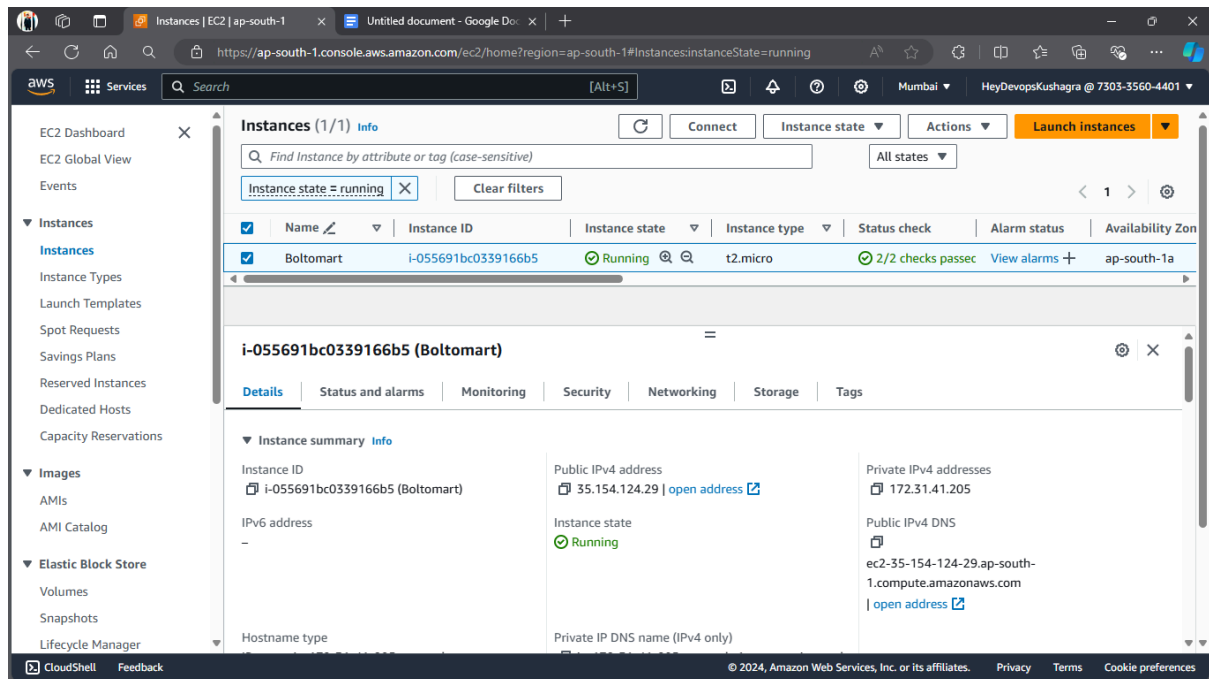
☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

8. In the Summary panel, review your instance configuration and then choose Launch instance.

9. Choose View all instances to close the confirmation page and return to the console. Your instance will first be in a pending state, and will then go into the running state.

How To Login Using Command Prompt



This Is your Key pair .

```
MINGW64/C:/Users/akush/Downloads
$ cd Downloads/

akush@DESKTOP-CK23I68 MINGW64 ~/Downloads
$ cat javaappkey.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAx08YSahxma8e10bYBd+cIXWN5pZ3+RZEeZIdMYLMBndzGjuq
e/GZcmRgyFBxQcFqS8J73B/S12kuORq+1quN+WR3XB142xw1Zr/SDuP1qxTxPYa6
r/c5jkuZ51AV5GCUKLSYH/B7UFPxCMQGXVQI7g34LsaGDZKLDZ1HnCZ+8fs1Yyt
x8WYHlucJf9p0P5RPMmEz8YP/vOTb/n10ulde0AtDcOwvsVQn1dPckaG8U6oa/ctk
OFawt3y7pucyNxx+86Z2VCM73PB1dvzdXZCmK29cjDRaFSVFZybGpS0VQFxpGqwr
1ZSR2JrkWnpqrbp1FsqDyrZrcaCnJxnb3auz+wiDAQABA0IBAFw0HMIvznzKPkFQL
qMrpcJY1AYT/gIzBo2CU0kuog1fKZj/bTyqpIW12WUwxytLCXk/DjT1ULbAhUp9e
DeDVE2RqSYc0yy1oMTUKfd/+S219axz4EH8gHbEMP2qMvQCFPL4Ms4ISaPocV2va
yzRRJqgFaget9pgdRpo1VEWY148QX8ZT1u8SgnTxsWbX+Dv8gy+pvcnXm1z
CgAbYhnyvfvfVc8oB4DsInJkxvQ/6p7LRf11UhaF33U1GSI7wa9/3TjHudwPqUd
871kx69VUqjGmHYccIp9LWEX/rpb/M01wsut6ISLVCvt80nxTo1164jqltunJwZc
rATOZYECgYEA9rxyhPhT403103Q/rAO+vkFY00A/21UDPuVrK0K8guh069Z8xy9J
fRkFeaBxRK8kJE+4854J1JHeC8TzOrB1KVNraLbNrtfRaxJ1y768aCKZKH2Fytu
41qFMnqOr1f2n8BjIdn071WYrGMK81jJdhFJpTEy4I64fTMHkyVLycECgYEAzgcK
14gurwfsspCkxYv5PGS10YSZBLPbs5JfLNgw910EK9YFBV/1morfp578KhMyTI/I
h1Y1tRTJjgP/m08dSEtUj/KjYmTJ/NmB53AX3t4y+BbOQXda6+s7NTf583Xm6a
jBhZlWUTU1Dve1xo+E+4566bNt285PHh731AcVLScgYAUdp42Ld5M0wL9Nd4VjWd
IEDp0L12msu6YUx1J/fLbLqUscaHGS8QTThLauXkF7KggRq1A+QjF/hdXJwpn82Z
nn6M9M+790e/PLD273rBVISXN1mba3yLKnDjucZ/v4b9C29Nb2jKM6RF34d0YTN3
QVCDGt7YAsjc61k1TVxsAQK8gQCPkJPcX1Y4PEtgeYRMEVbQEEdB0PVW4t1OR8CN
1e9VHE1vp562D+zhgIV+Vtd0kF/Afyf6geTrruyI7pwkwpv1312sg1Y/rCVqmn2D
3RZ18h5P4bu/qgYosTwnbE1GNVmeXSiZAHSPxhcnNbrd8y90mx4q7g4kzq7ZEvY
WozDNQK8gF8abWbmCOWF2AogULY92GMXFCvSL6/Lc8AV6scgw3BrrPHS4W/yK9F
nLtbNSUrLOYPQwEsVY1wrsj71jst3wzYG6c1b2/UAD77bXjAFNvsseRGhw7f8bHF
9gRTaxYpPjN1Iiom324TbX4RA1Nk390gW3zE3hms96tIo4yTMM
-----END RSA PRIVATE KEY-----
```

Make it Executable , Give permissions

chmod 400 /path_to_key/my_key.pem

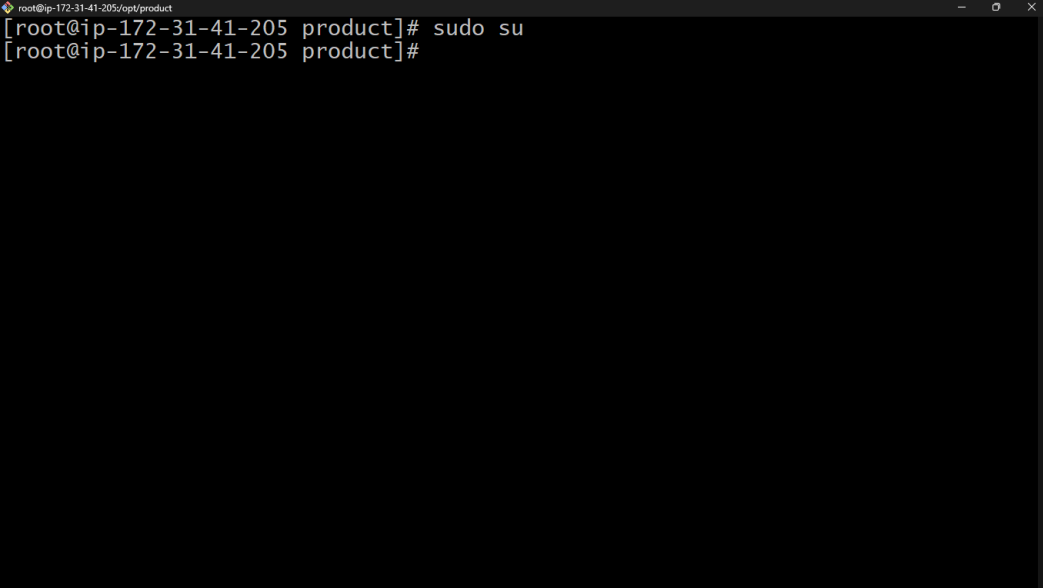
```
MINGW64/c:/Users/akush/Downloads
$
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ cat javaappkey.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAXo8YSahxma8e10bYBd+cIXWN5pZ3+RZEeZidMYLMBndzGjuq
e/GZcmRGyFBXqCfQSBj7JB/Si2kuOrQ+iquN+wr3XBIA42Xw1Zr/SduP1qxTxPYa6
r/c5jkUzS1Av5GCUKLSYH/B7UFpxCWqGXVQI7g34LSaGDZnKLDZ1HnCZ+8fsiYyt
xSNyHlucJFg90P5RPyMEzBYP/vOTb/niOUdeoAtDcoVwsVQn1dPckaG8U6oA/Ctk
OfAWt3y7purCyNx+86Z2VCM73PBidvdxZcWKz9cJDraFSVfZybGpS0VQfpxGqwr
1ZSR2JRkWNpqrBp1FsQDYrZrcaCnJxnb3auz+wIDAQABAoIBAFAw0HMIvznkPkfQL
qMrpcY1AYT/gIzBo2CU0kuog1fkZj/bTyqpIW12WUwxytLCXk/DjT1ULbAhUp9e
DeDVE2RqSYcoyy1oMTuKfd/+SZ19axz4EH8gHbEMP2qMvQCFPL4Ms4I5aPoCVZVa
yzRRjggFAget9pgdRpo1VEwTY14BQX8ZT1uBSqnTtxtswRbx+Dv8VgY+pYcbNxm1z
CgAbyhnyqFqVcBoaB4DsInJk6VQ/6p71Rfi1Uhaf33U1GS17WA9/3TjHuDwPqbud
871kx69VUqjGmHYccIp9LWEX/rpb/M0iwsut6I5LVcvt8OnxTo1164j1tumjwZt
rAT0ZYECgYEAA9rXyhPhT403103Q/rAQ+vKFY00A/2iUDPuVrk0K8guh069ZBxY9J
fRkFeaBxRk8kJE+4B54J1JHec8Tz0rB1KVNraLbnrtFraxJ1y768ackZK0H2Fytu
41qFMnq0r1f2nBbjIDn07iWYrGMK81jDhFJpTEy4I64fTMHkyVLYcECgYEAZgkC
14gurwTssPCXnyV5PGS10YSZBLrbsSjFLNqW9ioEK9YFBV/1morp578KMyTI/I
h1YjTRTjggP/M08dSEtYu//KjVmt1/NmB53AX3t4y+BbrQX8dA6+s7NTfs83XM6a
jBHzWUTUioVe1xo+E+4S66bnt28SPHh7JLAcVLScgYAUDpa42Ld5M0wL9Nd4VJwd
IEDo01L2mSu6Yux1j/fLbLqUscaHGS8QTIh1auXKf7KggRq1A+Qjf/hdXJwpm82Z
nn6M9M+j90e/PLD273rBvI5XN1mbaJyLKndJucz/v4b9CZ9Nb2jKM6RF34d0VTN3
QVCDgt7YAsJc61kiTVXsAQKBgQCPKjPcX1Y4PEtgeYRMEVbQEDBOPVw4t1OR8CN
1e9VHEiVp562D+zhgIV+vTd0Kf/AfYf6geTrruyI7pwKwvvi3i2sgiy/rcvqmn2D
3RZi8h5P4bu/qQYosIWNbe1GNVmcX5ItAHSPxXhcnWbkD8y90mx4q7g4kzqfzEvy
WozDNQKBgFeBmbmCOWF2AogULf92GMXFCxVSLe/Lc8Av6scgwY3brPHS+w/yK9F
nLtbNSUrLOYpqwEsVYlwrSj71jst3wzYg6c1b2/UAD77bxJfAfNvsSerGhw7f8bHF
9gRTaxYpPjNiiIom324TbXD4RA1Nkj90gLw3Z3E3hms96tIo4yTMM
-----END RSA PRIVATE KEY-----
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ chmod 400 javaappkey.pem
```

SSH INTO MACHINE

ssh -i /path to key/my key.pem user name@public dns name

```
ec2-user@ip-172-31-41-205/
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ ssh -i javaappkey.pem ec2-user@35.154.124.29
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
Last login: Fri Jun 28 14:53:39 2024 from 223.233.79.54
[ec2-user@ip-172-31-41-205 ~]$ ls
[ec2-user@ip-172-31-41-205 ~]$ cd /
[ec2-user@ip-172-31-41-205 /]$ |
```

Get Root Privileges

A terminal window with a dark background and light text. The window title bar at the top shows a small icon, the text 'root@ip-172-31-41-205/opt/product', and standard window controls (minimize, maximize, close). The terminal content shows a prompt '[root@ip-172-31-41-205 product]#' followed by the command 'sudo su'. The next line shows the prompt has changed to '[root@ip-172-31-41-205 product]#', indicating successful execution.

```
root@ip-172-31-41-205/opt/product
[root@ip-172-31-41-205 product]# sudo su
[root@ip-172-31-41-205 product]#
```

Voila !! Now your Linux system is ready to test the Linux commands as shared in the class