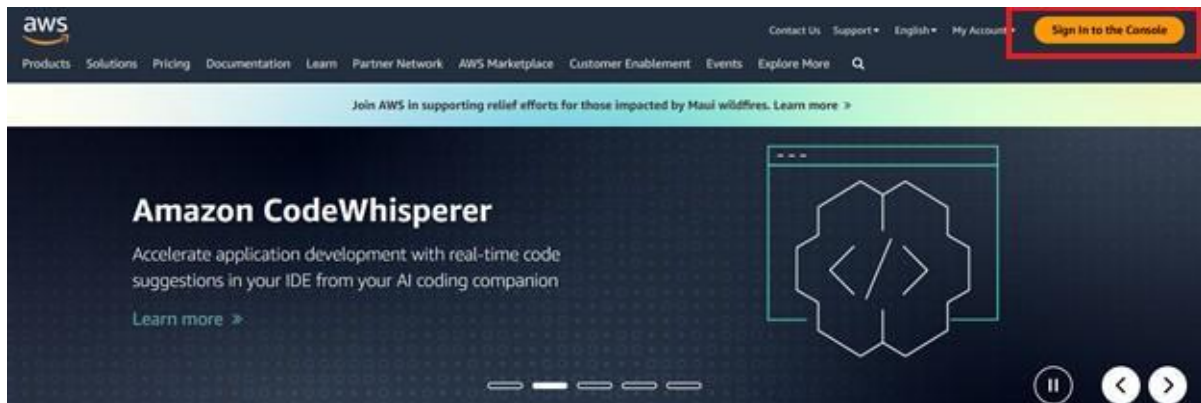


How To Create a AWS Account and LOGIN TO EC2 MACHINE

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.



Sign in

☒ **Root user**
Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☐ **IAM user**
User within an account that performs daily tasks. [Learn more](#)

Root user email address

username@example.com

Next

By continuing, you agree to the [AWS Customer Agreement](#) or other agreement for AWS services, and the [Privacy Notice](#). This site uses essential cookies. See our [Cookie Notice](#) for more information.

[New to AWS?](#)

Create a new AWS account

DATABASE

Amazon ElastiCache with Amazon RDS for MySQL

Up to 55% in cost savings and up to 80x faster read performance

[Learn more](#)



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.”

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

Sign up for AWS

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**

Country or Region

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

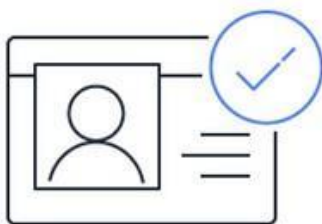
Verify code

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.

<input checked="" type="radio"/> Basic support - Free <ul style="list-style-type: none">• 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 	<input type="radio"/> Developer support - From \$29/month <ul style="list-style-type: none">• Recommended for developers experimenting with AWS• Email access to AWS Support during business hours• 12 (business)-hour response times 	<input type="radio"/> Business support - From \$100/month <ul style="list-style-type: none">• 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

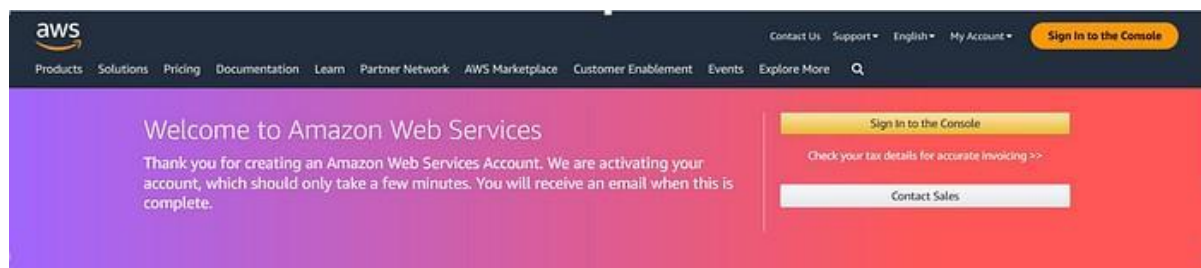
Thank you for signing up for AWS.

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.
Give name as **javaappkey.pem**
7. In the Summary panel, review your instance configuration and then choose Launch instance.
8. *****After the instance is created go to instance , select the instance and click on security group and check for **PORT 22 is enabled or not for all traffic**

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the Instance.

Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>	
sgr-0a2ab44f9ca35a182	SSH ▼	TCP	22	Custom ▼ <input type="text" value="0.0.0.0/0"/>	<input type="text"/>	Delete
-	Custom TCP ▼	TCP	0	Custom ▼ <input type="text" value="0.0.0.0/0"/>	<input type="text"/>	Delete
<div>Add rule</div>						

Cancel

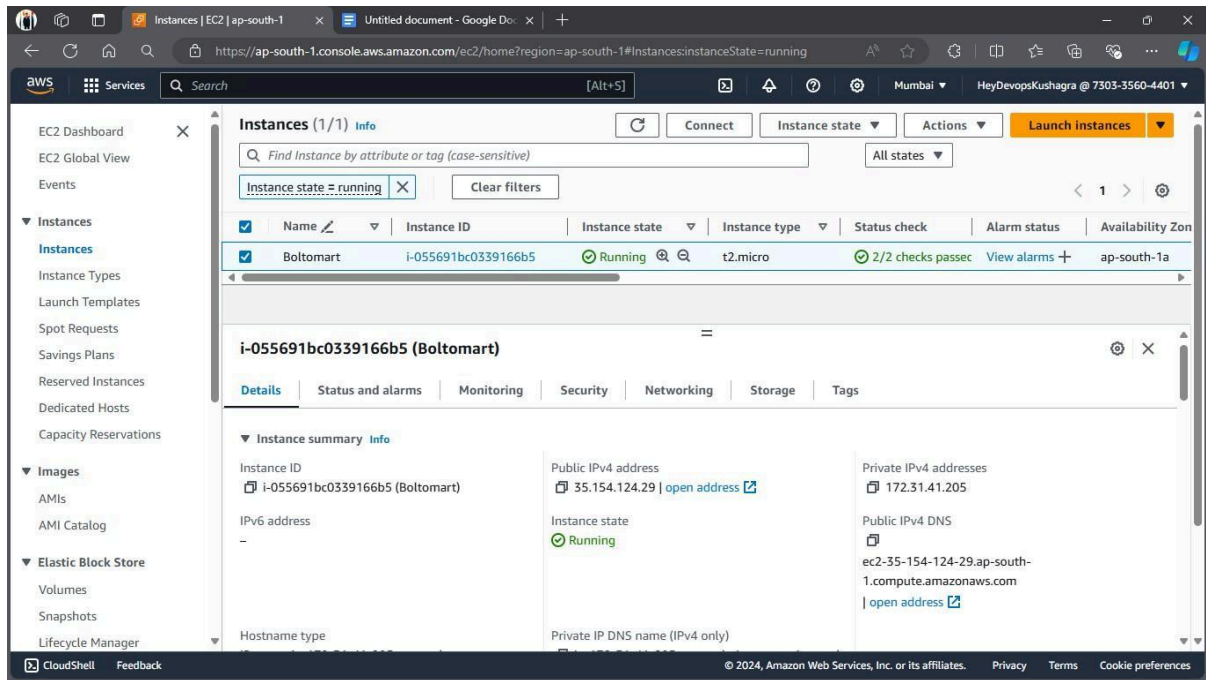
Preview changes

Save rules

sgr-0570c0a6dce8660a8	SSH ▼	TCP	22	Custom ▼ <input type="text" value="0.0.0.0/0"/>	<input type="text"/>	Delete
				<input type="text" value="0.0.0.0/0"/>		

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



GET A PEM FILE (KEY)

javaappkey.pem

```
MINGW64/c/Users/akush/Downloads
$ cd Downloads/

akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ cat javaappkey.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAx08YSahxma8e10bYBd+cIXWN5pZ3+RZEeZidMYLMBndzGjuq
e/GZcmRGyFBXqCfqsB7J7B/Si2kuOrQ+iqun+wR3XB142Xw1Zr/SDuP1qxTxPYa6
r/c5jkUzS1Av5GCUkLsYH/B7UfpxCwqGXVQI7g34LsaGDZnKLDZ1HnCZ+8fsiYyt
xsNyHlucJFg90P5RPyMEzBYP/vOTb/niOUdeoAtDCoVwsVQn1dPckaG8U6oA/Ctk
OfAwT3y7purCyNx+86Z2VCM73PBidvzdxZcWkZ9cjDRaFSVfZybGpS0VQfXpGqwr
1ZSR2JrkWnpqrbp1FsQDYrZrcaCnjxnb3auz+wIDAQABAoI8AFw0HMIvznkPkfQL
qMrpcJY1AYT/gIzBo2CU0kuog1fkZj/bTyqpIW12WUwxytLCXk/DjT1ULbAhUp9e
DeDVE2RqSYcoyy1oMTuKfd/+SZ19axz4EH8gHbEMP2qMvQCFPL4Ms4I5aPoCVZVa
yzRRjggFAqet9pgdRpo1VEWtY14BQX8ZT1uBSqntxtswRbx+Dv8Vgy+pYcbNxm1z
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fRkFeaBxRK8kJE+4B54J1JHec8TzOrB1KVNraLbNrtfRaxJ1y768aCKZKoH2Fytu
41qFmngOr1f2nBbjIdn07iWYrGMK81jJdHfJpTEy4I64fTMHkyVLYcECgYEAzGkC
14gurwfsppCxnYv5PGSiOYSZBLlrbsSjFLNqW9ioEK9YFBV/1morp578KhMyTI/I
hiYjrtRtjgP/M08dSEtyu//KjVmt1/NmB53AX3t4y+BbrQX8dA6+s7NTfs83XM6a
jBhzWUTuiOve1xo+E+4S66bNt28SPH7JLAcVLScgYAUDpa42Ld5M0wL9Nd4VJwd
IEDo0L2msu6YUX1j/fLbLqUScaHGS8QTih1auXkf7KggRq1A+Qjf/hdXJwPn82Z
nn6M9M+j90e/PLD273rBvI5XN1mbaJyLKnDjucz/v4b9CZ9Nb2jKM6RF34d0YTN3
QVCDgt7YAsJc61kiTVXsAQKBgQCPkJPcX1Y4PEtgeYRMEVbQEEdB0PVw4t1OR8CN
1e9VHEiVp562D+zhgIV+vTd0kf/AfYf6geTrruyI7pwKwpvi3i2sgiy/rCVqmn2D
3RZi8h5P4bu/qYosIwNbe1GNVmcX5ItAHSPxxhcnWbKd8y90mx4q7g4kzqfzEvy
wozDNQKBgFeBwbmCOWF2AogULF92GMXFCxVSLc/Lc8Av6scgwY3brPPhs+W/yK9F
nLtbN5UrLOYPqweSVY1wrSj71jst3WzYG6c1b2/UAD77bXJAfNvsseRGhw7f8bHF
9gRTaxYpPjNiIom324TbXD4RA1Nkj90gLw3zE3hms96tIo4yTMM
-----END RSA PRIVATE KEY-----
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ |
```

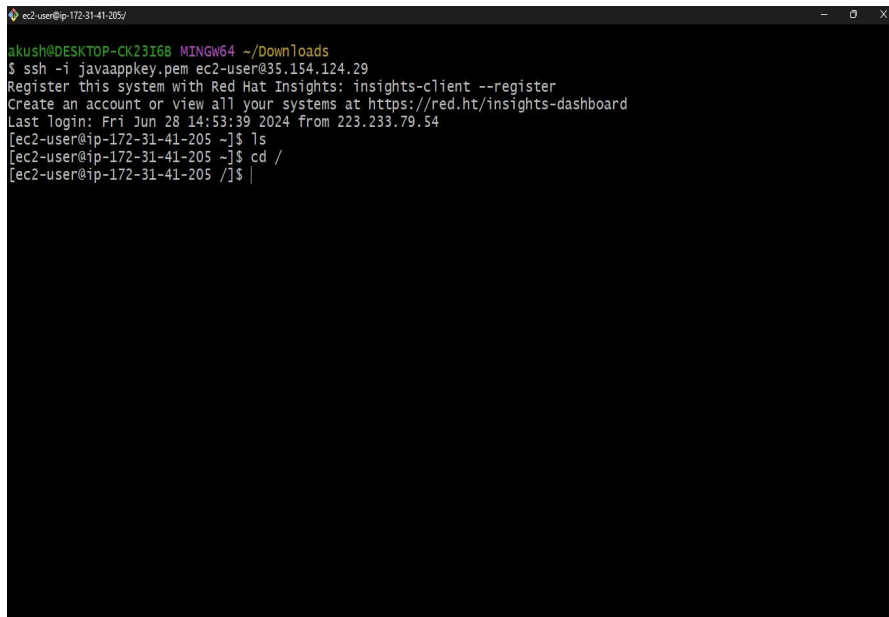
Make it Executable , Give permissions

chmod 400 /path_to_key/my_key.pem

```
MINGW64/c/Users/akush/Downloads
$

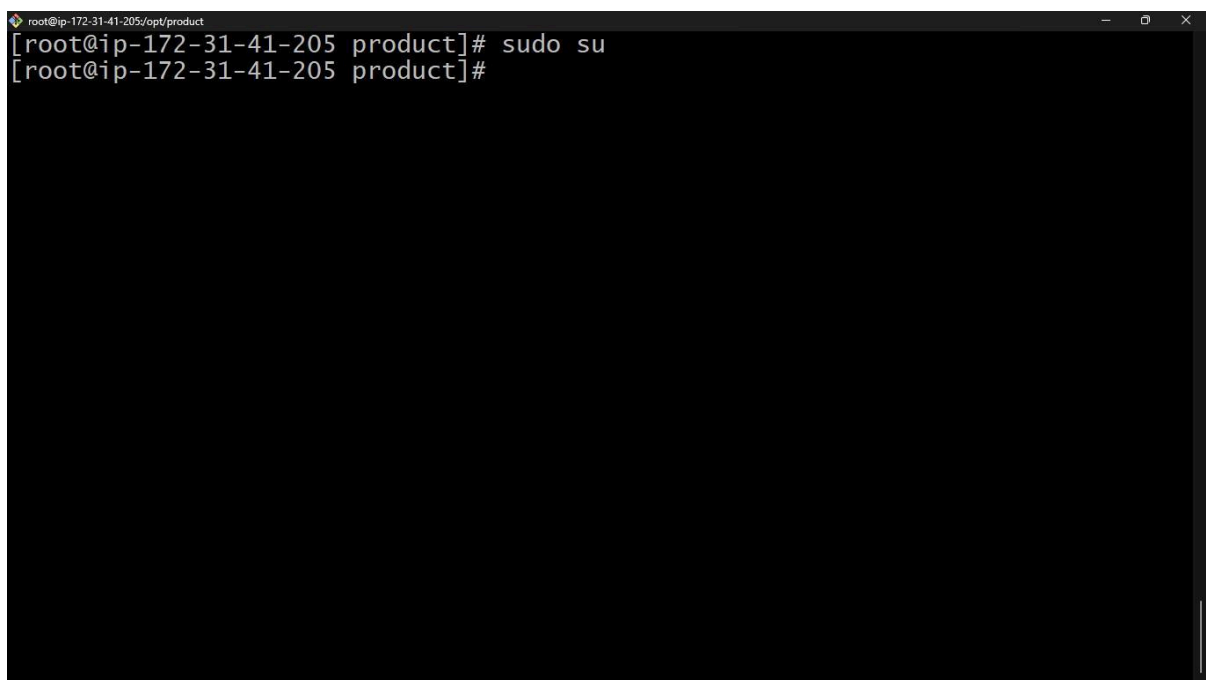
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ cat javaappkey.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAx08YSahxma8e10bYBd+cIXWN5pZ3+RZEeZidMYLMBndzGjuq
e/GZcmRGyFBXqCfqsB7J7B/Si2kuOrQ+iqun+wR3XB142Xw1Zr/SDuP1qxTxPYa6
r/c5jkUzS1Av5GCUkLsYH/B7UfpxCwqGXVQI7g34LsaGDZnKLDZ1HnCZ+8fsiYyt
xsNyHlucJFg90P5RPyMEzBYP/vOTb/niOUdeoAtDCoVwsVQn1dPckaG8U6oA/Ctk
OfAwT3y7purCyNx+86Z2VCM73PBidvzdxZcWkZ9cjDRaFSVfZybGpS0VQfXpGqwr
1ZSR2JrkWnpqrbp1FsQDYrZrcaCnjxnb3auz+wIDAQABAoI8AFw0HMIvznkPkfQL
qMrpcJY1AYT/gIzBo2CU0kuog1fkZj/bTyqpIW12WUwxytLCXk/DjT1ULbAhUp9e
DeDVE2RqSYcoyy1oMTuKfd/+SZ19axz4EH8gHbEMP2qMvQCFPL4Ms4I5aPoCVZVa
yzRRjggFAqet9pgdRpo1VEWtY14BQX8ZT1uBSqntxtswRbx+Dv8Vgy+pYcbNxm1z
CgAbyhnyqfQvcBoaB4DsInJk6VQ/6p71Rfi1Uhaf33U1GS17WA9/3TjHuDwPqbud
87ikx69VUqjGmHYccIp9LWEX/rpb/M0iwsut6I5LVcvt8onxTo1164j1tumjwzt
rATOZYECgYEA9rXyhPhT403103Q/rAO+vKFY00A/2iUDPuVrK0K8guh069ZBxY9J
fRkFeaBxRK8kJE+4B54J1JHec8TzOrB1KVNraLbNrtfRaxJ1y768aCKZKoH2Fytu
41qFmngOr1f2nBbjIdn07iWYrGMK81jJdHfJpTEy4I64fTMHkyVLYcECgYEAzGkC
14gurwfsppCxnYv5PGSiOYSZBLlrbsSjFLNqW9ioEK9YFBV/1morp578KhMyTI/I
hiYjrtRtjgP/M08dSEtyu//KjVmt1/NmB53AX3t4y+BbrQX8dA6+s7NTfs83XM6a
jBhzWUTuiOve1xo+E+4S66bNt28SPH7JLAcVLScgYAUDpa42Ld5M0wL9Nd4VJwd
IEDo0L2msu6YUX1j/fLbLqUScaHGS8QTih1auXkf7KggRq1A+Qjf/hdXJwPn82Z
nn6M9M+j90e/PLD273rBvI5XN1mbaJyLKnDjucz/v4b9CZ9Nb2jKM6RF34d0YTN3
QVCDgt7YAsJc61kiTVXsAQKBgQCPkJPcX1Y4PEtgeYRMEVbQEEdB0PVw4t1OR8CN
1e9VHEiVp562D+zhgIV+vTd0kf/AfYf6geTrruyI7pwKwpvi3i2sgiy/rCVqmn2D
3RZi8h5P4bu/qYosIwNbe1GNVmcX5ItAHSPxxhcnWbKd8y90mx4q7g4kzqfzEvy
wozDNQKBgFeBwbmCOWF2AogULF92GMXFCxVSLc/Lc8Av6scgwY3brPPhs+W/yK9F
nLtbN5UrLOYPqweSVY1wrSj71jst3WzYG6c1b2/UAD77bXJAfNvsseRGhw7f8bHF
9gRTaxYpPjNiIom324TbXD4RA1Nkj90gLw3zE3hms96tIo4yTMM
-----END RSA PRIVATE KEY-----
akush@DESKTOP-CK23I6B MINGW64 ~/Downloads
$ chmod 400 javaappkey.pem
```

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

A terminal window titled 'ec2-user@ip-172-31-41-205/' shows a user named 'akush' at a desktop with IP '172-31-41-205' connecting via SSH. The command executed is 'ssh -i javaappkey.pem ec2-user@35.154.124.29'. The terminal output includes a registration prompt for Red Hat Insights, a successful login message with a timestamp, and subsequent 'ls' and 'cd /' commands.

```
ec2-user@ip-172-31-41-205/
akush@DESKTOP-CK23I68 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 titled 'root@ip-172-31-41-205/opt/product' shows a user at IP '172-31-41-205' in the 'product' directory. The user enters 'sudo su' to gain root access, and the prompt changes from '[root@ip-172-31-41-205 product]#' to '[root@ip-172-31-41-205 product]#', indicating successful privilege escalation.

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

ONCE THE EC2 SETUP IS COMPLETED EXECUTE THE HANDSON OF LINUX UNDER SESSION2