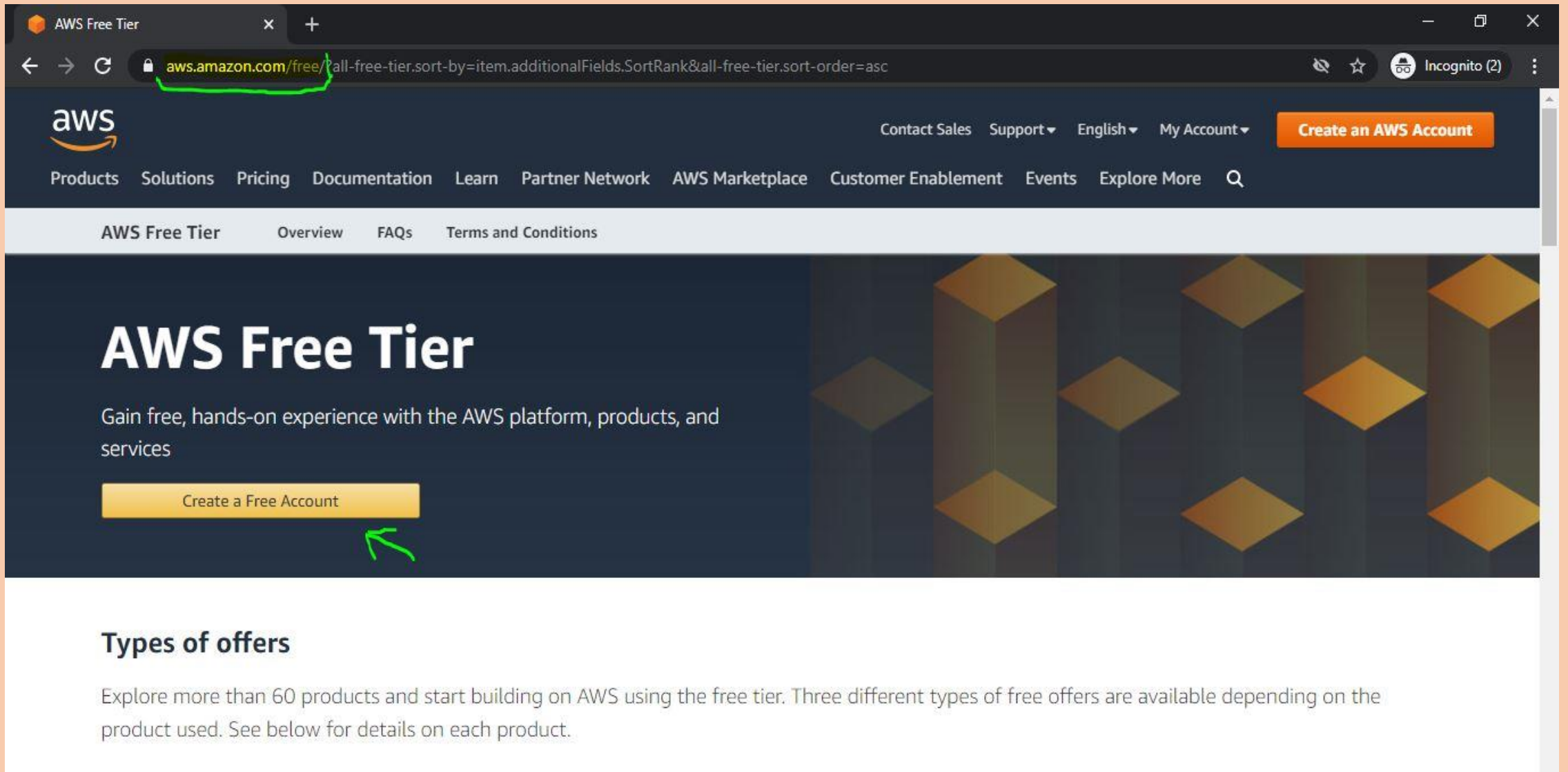


How To Document.

- ✓ How to create AWS Account in AWS website.(Free account/tier).
- ✓ How to create ssh key from EC2 Dashboard.
- ✓ How to launch an instance using CloudFormation tool using customize template.
- ✓ How to login to an instance using putty client.
- ✓ How to login to in instance from Command prompt / Terminal using ssh command.



The screenshot shows a web browser window with the URL aws.amazon.com/free/ in the address bar. The page features the AWS logo and navigation links such as Products, Solutions, Pricing, Documentation, Learn, Partner Network, AWS Marketplace, Customer Enablement, Events, and Explore More. A prominent orange button labeled "Create an AWS Account" is visible in the top right. Below the navigation bar, the page title "AWS Free Tier" is displayed, followed by the text "Gain free, hands-on experience with the AWS platform, products, and services". A yellow button labeled "Create a Free Account" is highlighted with a green arrow. The background of the hero section features a pattern of 3D cubes. Below the hero section, the heading "Types of offers" is shown, followed by a paragraph explaining that there are more than 60 products and three types of free offers available depending on the product used.

AWS Free Tier

Gain free, hands-on experience with the AWS platform, products, and services

Create a Free Account

Types of offers

Explore more than 60 products and start building on AWS using the free tier. Three different types of free offers are available depending on the product used. See below for details on each product.

Go to the URL <https://aws.amazon.com/free> from your browser and click on **Create a Free Account**.



AWS Accounts Include 12 Months of Free Tier Access

Including use of Amazon EC2, Amazon S3, and Amazon DynamoDB
Visit aws.amazon.com/free for full offer terms

Create an AWS account

Email address

Password

Confirm password

AWS account name ⓘ

Continue

[Sign in to an existing AWS account](#)

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All rights reserved.

[Privacy Policy](#) | [Terms of Use](#)

Fill the form accordingly. Give a valid email id. Set password and provide an account name

Contact Information

All fields are required.

Please select the account type and complete the fields below with your contact details.

Account type ⓘ

☐ Professional ☒ Personal

Full name

Bikram DevOps

Phone number

983310883

Country/Region

India

* If you select India, your country/region selection cannot be changed after creating the account

Address

13 Bidhanpark

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

City

Kolkata

Select account type as personal and provide a valid phone number and address details.


AWS Console - Signup

portal.aws.amazon.com/billing/signup?refid=em_127222&redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation

Payment Information


All fields are required.


We use your payment information to verify your identity and only for usage in excess of the [AWS Free Tier Limits](#). We will not charge you for usage below the AWS Free Tier Limits. To learn more about payment options, review our [Frequently Asked Questions](#).



As part of our card verification process we will charge INR 2 on your card when you click the "Secure Submit" button below. This will be refunded once your card has been validated. Your bank may take 3-5 business days to show the refund. Mastercard/Visa customers may be redirected to your bank website to authorize the charge.


Credit/Debit card number






AWS accepts most major credit and debit cards.

Expiration date





Cardholder's name


CVV

Billing address

☒ Use my contact address

13 Bidhanpark
Kolkata West Bengal 700090
IN

☐ Use a new address

Do you have a PAN? 

You can go on the [Tax Settings Page](#) on Billing and Cost Management Console to update your PAN information.

☐ Yes

☒ No

For ID verification and account registration you need to provide your credit card details. You will receive an OTP to continue.



Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.



Your identity has been verified successfully.

Continue

Select a Support Plan

We offer a varied selection of plans to meet your needs. Please select a Support plan that best aligns with your AWS usage. To learn more about plan comparisons and pricing samples, [click here](#). You can change the Support plan anytime from the Console.



Basic Plan

Recommended for new users just getting started with AWS

Free

- 24x7 self-service access to AWS resources
- For account and billing issues only
- Access to Personal Health Dashboard & Trusted Advisor



Developer Plan

Recommended for developers experimenting with AWS

From \$29/month

- Email access to AWS Support during business hours
- 12 (business)-hour response times



Business Plan

Recommended for running production workloads on AWS

From \$100/month

- 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 »](#)

Select Basic Plan that comes under free tier.

Registration Confirmation

aws.amazon.com/aispl/registration-confirmation/

Incognito (2)

aws

Contact Sales Support English My Account Sign In to the Console

Products Solutions Pricing Documentation Learn Partner Network AWS Marketplace Customer Enablement Events Explore More

Welcome to Amazon Web Services

Thank you for creating an Amazon Web Services Account. We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

Sign In to the Console

Check your tax details for accurate invoicing >>

Contact Sales

Personalize Your Experience

Fill in the blanks below to receive recommendations catered to your role and interests.

My role is: select role

I am interested in: select area

Submit

In this screen you can personalize your experience by choosing your role and your interest such as DevOps etc.

Registration Confirmation x +

aws.amazon.com/aispl/registration-confirmation/ Incognito (2)

aws

Contact Sales Support English My Account Sign In to the Console

Products Solutions Pricing Documentation Learn Partner Network AWS Marketplace Customer Enablement Events Explore More

Welcome to Amazon Web Services

Thank you for creating an Amazon Web Services Account. We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

Sign In to the Console

Check your tax details for accurate invoicing >>

Contact Sales

Personalize Your Experience

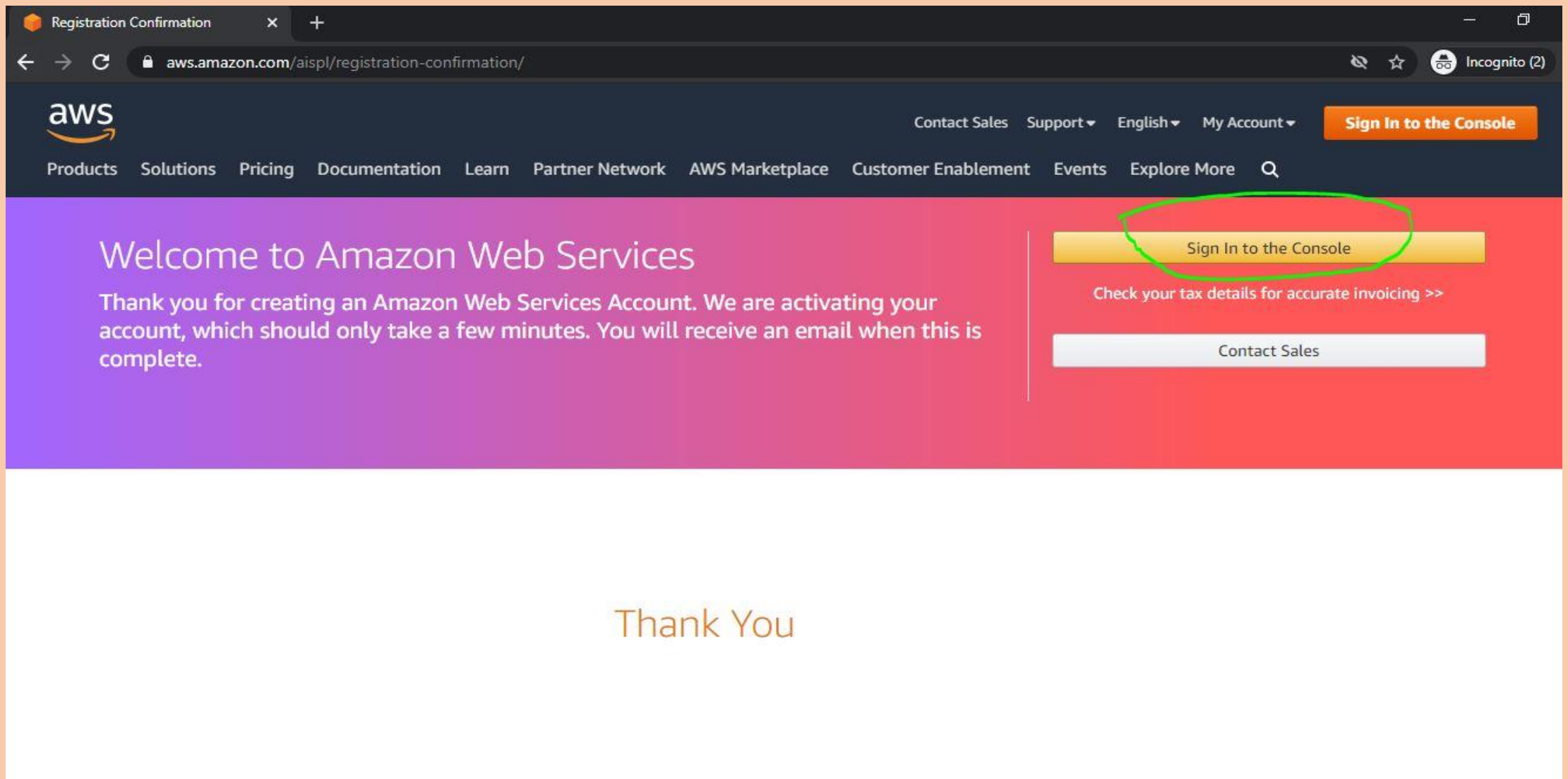
Fill in the blanks below to receive recommendations catered to your role and interests.

My role is: Student ▼

I am interested in: Learning & Certification ▼

Submit

Select your role as Student . (As we are using this for learning purpose only)



Click on the *Sign in to the Console*

AWS Management Console

us-east-2.console.aws.amazon.com/console/home?region=us-east-2#

aws

Services

Resource Groups

Bikram DevOps

Ohio

AWS Management Console

AWS services

Find Services

You can enter names, keywords or acronyms.

Example: Relational Database Service, database, RDS

All services

Build a solution

Get started with simple wizards and automated workflows.

Launch a virtual machine

With EC2

2-3 minutes

Build a web app

With Elastic Beanstalk

6 minutes

Build using virtual servers

With Lightsail

1-2 minutes

Stay connected to your AWS resources on-the-go

Download the AWS Console Mobile App to your iOS or Android mobile device. [Learn more](#)

Explore AWS

Get Up to 40% Better Price Performance in Amazon EC2

Amazon EC2 M6g, C6g, and R6g instances provide the best price performance for cloud native workloads in Amazon EC2. [Learn more](#)

Join Other ML Experts

Connect with ML experts to discuss machine learning topics. [Learn more](#)

You will land to this page after login into the console. Click on the services to see the AWS services.

AWS Management Console

AWS services

Find Services

You can enter names, keywords or acronyms.



EC2

Virtual Servers in the Cloud

EC2 Image Builder

A managed service to automate build, customize and deploy OS images

AWS Compute Optimizer

Recommend optimal AWS Compute resources for your workloads

AWS Firewall Manager

Central management of firewall rules

EFS

In Services section search **EC2** and *click* on that.

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and a user profile icon. Below this, a left-hand navigation pane contains links to 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Images', and 'AMIs'. The 'Instances' section is expanded, showing links to 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', and 'Capacity Reservations'. The 'Images' section is also expanded, showing 'AMIs'. The main content area features a blue banner with a welcome message about the new EC2 console. Below this, a 'Resources' section displays a table of EC2 resources in the US East (Ohio) Region. The 'Key pairs' resource is highlighted with a blue circle and an arrow. At the bottom, there's a light blue box with a message about Microsoft SQL Server Always On availability groups.

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Running instances	0	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	0	Load balancers	0
Key pairs	0	Security groups	1
Placement groups	0		

Key pairs

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

After clicking on **EC2** you will land to this page. Now click on the **Key Pairs**

The screenshot shows the AWS Management Console interface for the 'Key pairs' section in the 'us-east-2' region. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar contains a navigation menu with options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', and 'Instances'. The main content area is titled 'Key pairs' and features a search bar labeled 'Filter key pairs'. Below the search bar is a table with columns for 'Name', 'Fingerprint', and 'ID'. The table is currently empty, displaying the message 'No key pairs to display'. In the top right corner of the main content area, there are three buttons: a refresh button, an 'Actions' dropdown menu, and a prominent orange 'Create key pair' button. The 'Create key pair' button is circled in blue, and a green arrow points to it from the left.

Click on the **Create key pair** as shown in this picture

← → ↻ us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateKeyPair:

aws Services ▾ Resource Groups ▾ ★

Create key pair

Key pair

A key pair, consisting of a private key and a public key, is a set of security credentials that you use to prove your identity when connecting to an instance.

Name

Test

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

File format

☐ pem

For use with OpenSSH

☒ ppk

For use with PuTTY

Tags (Optional)

No tags associated with the resource.

Add tag

You can add 50 more tags

Provide a name. **Select** a file format. **1. .pem** --> For Windows (cmd,powershell) /Mac (terminal) / Linux OS user.
2. .ppk --> For [Putty](#) (putty) Client

aws Services Resource Groups

New EC2 Experience
Tell us what you think

EC2 Dashboard **New**

Events **New**

Tags

Limits

▼ Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts **New**
- Capacity Reservations

▼ Images

- AMIs

Successfully created key pair ✓

Key pairs (1)

Filter key pairs

<input type="checkbox"/>	Name	Fingerprint
<input type="checkbox"/>	Test	67:ff:c5:3d:a4:83:5d:44:1d:ab:...

Feedback English (US) © 2008 - 2020, Amazon

Test.ppk

Once you click create, the ppk or pem file will be downloaded and it will show its successful creation status

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#KeyPairs:

aws Services Resource Groups

New EC2 Experience Tell us what you think

EC2 Dashboard **New**

Events **New**

Tags

Limits

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts **New**

Capacity Reservations

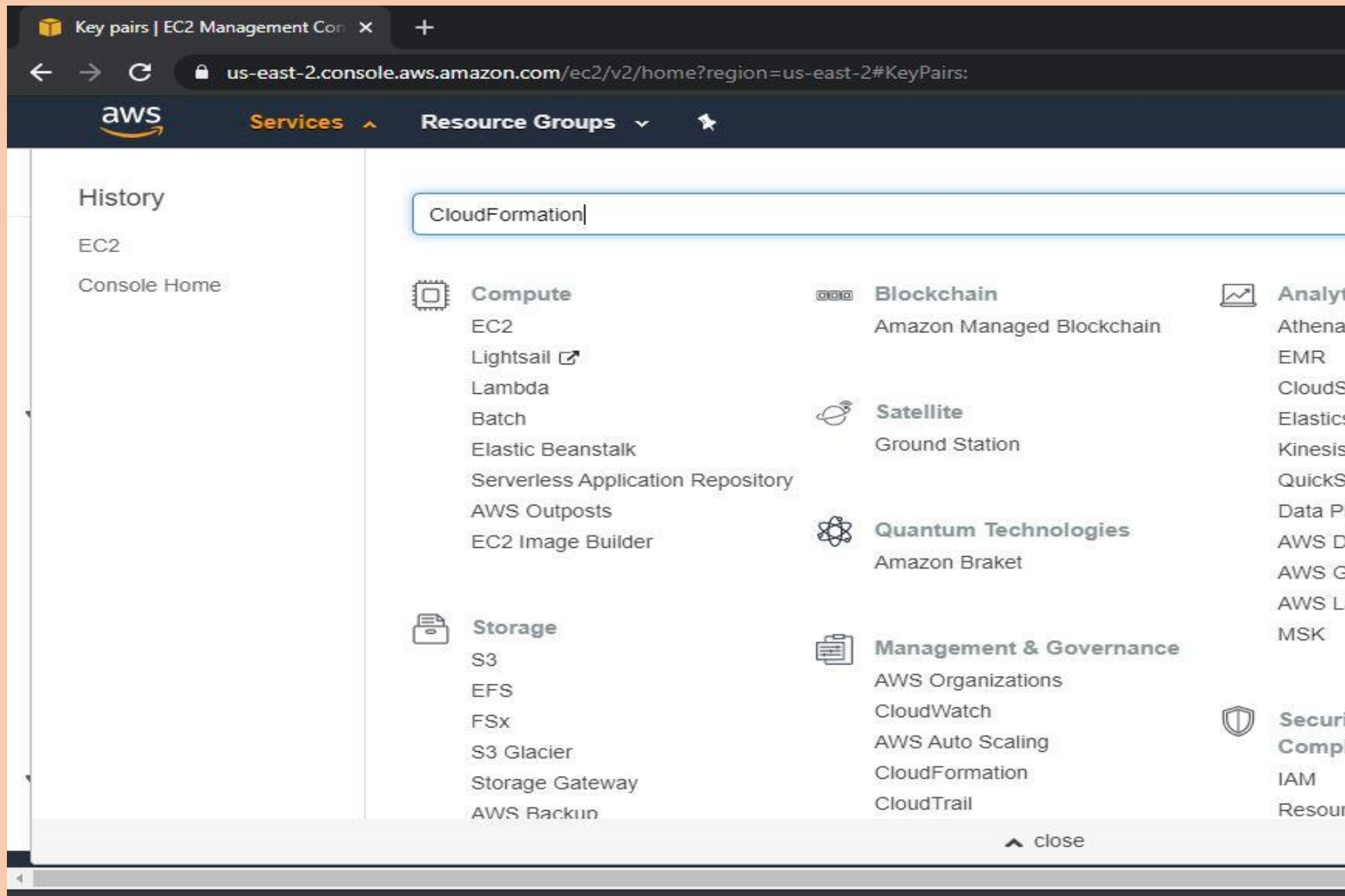
Successfully created key pair

Key pairs (1)

Filter key pairs

<input type="checkbox"/>	Name	Fingerprint	ID
<input type="checkbox"/>	Test	67:ff:c5:3d:a4:83:5d:44:1d:ab:4c:96:30...	key-0f9099994072760958

Now Click on the services again.



In search bar type **CloudFormation** and click on that.

CloudFormation

us-east-2.console.aws.amazon.com/cloudformation/home?region=us-east-2#/
Incognito (2)

aws Services Resource Groups

Management & Governance

AWS CloudFormation

Model and provision all your cloud infrastructure

AWS CloudFormation provides a common language to describe and provision all the infrastructure resources in your environment in a safe, repeatable way.

Create a CloudFormation stack

Use your own template or a sample template to quickly get started.

Create stack

Getting started

- [What is AWS CloudFormation](#)
- [Getting started with CloudFormation](#)
- [Learn template basics](#)
- [Quick starts](#)

How it works

Simplify Your Infrastructure Management Using ...

Watch later Share

Simplify Your Infrastructure Management Using AWS

Click on the *Create stack*

CloudFormation - Stack

us-east-2.console.aws.amazon.com/cloudformation/home?region=us-east-2#/stacks/create/template

aws Services Resource Groups

Bikram DevOps

CloudFormation > Stacks > Create stack

Step 1
Specify template

Step 2
Specify stack details

Step 3
Configure stack options

Step 4
Review

Create stack

Prerequisite - Prepare template

Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

☒ Template is ready ☐ Use a sample template ☐ Create template in Designer

Specify template

A template is a JSON or YAML file that describes your stack's resources and properties.

Template source
Selecting a template generates an Amazon S3 URL where it will be stored.

☐ Amazon S3 URL ☒ Upload a template file

Upload a template file

Choose file linux-lab-setup.yml

JSON or YAML formatted file

S3 URL: <https://s3.us-east-2.amazonaws.com/cf-templates-1qv31rgig29gy-us-east-2/20202395cb-linux-lab-setup.yml>

View in Designer

Cancel **Next**

Select options as shown in the picture and click on next. The **Template** can be found at your **Training Portal**. (you need to upload the file here before clicking the **next**)

aws Services Resource Groups

Step 1
Specify template

Step 2
Specify stack details

Step 3
Configure stack options

Step 4
Review

Specify stack details

Stack name

Stack name

Test

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

InstanceType
WebServer EC2 instance type

t2.micro

KeyName
Name of an existing EC2 KeyPair to enable SSH access to the instance

Test


SSHLocation
The IP address range that can be used to SSH to the EC2 instances

0.0.0.0/0

Cancel Previous **Next**

In this page you have to 1. give a **Stack name**. 2. Select the **key** at **KeyName** section. **key that you created. Click **Next**

Permissions

Choose an IAM role to explicitly define how CloudFormation can create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses permissions based on your user credentials. [Learn more](#) 

IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

IAM role name ▼

Sample-role-name ▼

Remove

Advanced options

You can set additional options for your stack, like notification options and a stack policy. [Learn more](#) 

► Stack policy

Defines the resources that you want to protect from unintentional updates during a stack update.

► Rollback configuration

Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back. [Learn more](#) 

► Notification options


► Stack creation options

Cancel

Previous

Next

Keep everything as default here and click on the **Next** tab.

 **Services** ▾ **Resource Groups** ▾ ⌵

CloudFormation > Stacks > Create stack

Step 1
Specify template

Step 2
Specify stack details

Step 3
Configure stack options

Step 4
Review

Review Test

Step 1: Specify template Edit


Template

Template URL

https://s3.us-east-2.amazonaws.com/cf-templates-1qv31rgig29gy-us-east-2/20202395cb-linux-lab-setup.yml


Stack description


AWS CloudFormation Sample Template EC2InstanceWithSecurityGroupSample: Create an Amazon EC2 instance running the Amazon Linux AMI. The AMI is chosen based on the region in which the stack is run. This example creates an EC2 security group for the instance to give you SSH access. Created by Shambo

Estimate cost 

Step 2: Specify stack details Edit

Parameters (4)

 Search parameters.



Notification options

No notification options

There are no notification options defined

Stack creation options

Rollback on failure

Enabled

Timeout

-

Termination protection

Disabled

► Quick-create link

Cancel

Previous

Create change set

Create stack

Keep everything as it is and click on the *Create Stack*

aws Services Resource Groups

CloudFormation > Stacks > Test

Stacks (1)

Filter by stack name

Active View nested

Test

2020-08-27 00:50:39 UTC+0530

CREATE_COMPLETE

Test

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template Change sets

Events (1)

New events available

Search events

Timestamp	Logical ID	Status	Status reason
2020-08-27 00:50:39 UTC+0530	Test	CREATE_IN_PROGRESS	User Initiated

It will show the progress of launching the template /stack creation .

← → ↺ us-east-2.console.aws.amazon.com/cloudformation/home?region=us-east-2#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-2%3A69...

aws Services Resource Groups

History

Find a service by name or feature (for example, EC2, S3 or VM, storage).

CloudFormation

EC2

Console Home

Compute

- EC2
- LightSail
- Lambda
- Batch
- Elastic Beanstalk
- Serverless Application Repository
- AWS Outposts
- EC2 Image Builder

Storage

- S3
- EFS
- FSx
- S3 Glacier
- Storage Gateway
- AWS Backup

Database

- RDS
- DynamoDB
- ElastiCache
- Neptune

Blockchain

- Amazon Managed Blockchain

Satellite

- Ground Station

Quantum Technologies

- Amazon Braket

Management & Governance

- AWS Organizations
- CloudWatch
- AWS Auto Scaling
- CloudFormation
- CloudTrail
- Config
- OpsWorks
- Service Catalog
- Systems Manager
- AWS AppConfig
- Trusted Advisor
- Control Tower
- AWS License Manager

Analytics

- Athena
- EMR
- CloudSearch
- Elasticsearch Service
- Kinesis
- QuickSight
- Data Pipeline
- AWS Data Exchange
- AWS Glue
- AWS Lake Formation
- MSK

Security, Identity, & Compliance

- IAM
- Resource Access Manager
- Cognito
- Secrets Manager
- GuardDuty
- Inspector
- Amazon Macie
- AWS Single Sign-On
- Certificate Manager
- Key Management Service

Business Applications

- Alexa for Business
- Amazon Chime
- WorkMail
- Amazon Honeycode

End User Computing

- WorkSpaces
- AppStream 2.0
- WorkDocs
- WorkLink

Internet Of Things

- IoT Core
- FreeRTOS
- IoT 1-Click
- IoT Analytics
- IoT Device Defender
- IoT Device Management
- IoT Events
- IoT Greengrass
- IoT SiteWise
- IoT Things Graph

close

Now go to the Services , Search **EC2** and Click to go to the **EC2** Dashboard.

Dashboard | EC2 Management

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home:

aws Services Resource Groups

☒ New EC2 Experience
Tell us what you think

EC2 Dashboard New

Events New

Tags

Limits

▼ **Instances**

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

▼ **Images**

AMIs

▼ **Elastic Block Store**

Volumes

Snapshots

Lifecycle Manager

▼ **Network & Security**

Security Groups New

Welcome to the new EC2 console!
We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and switch between the old console and the new console, use the New EC2 Experience toggle.

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Running instances	1	Elastic IPs	0	Dedicated Hosts	0
Snapshots	0	Volumes	1	Load balancers	0
Key pairs	1	Security groups	2	Placement groups	0

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance ▼

Note: Your instances will launch in the US East (Ohio) Region

Scheduled events

Service health

Region: US East (Ohio) Status: ✓ This service is operating normally

Zone status

Zone	Status
------	--------

If your stack is created successfully you will see the result as shows above. Click on the **Running Instances**.

Instances | EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instancetype

aws Services Resource Groups

New EC2 Experience Tell us what you think

EC2 Dashboard New

Events New

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups New

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
	i-0cd34b13be8d127cd	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-15-155-100.us-e...	3.15.155.100	-

Instance: i-0cd34b13be8d127cd Public DNS: ec2-3-15-155-100.us-east-2.compute.amazonaws.com


Description Status Checks Monitoring Tags

Instance ID	i-0cd34b13be8d127cd	Public DNS (IPv4)	ec2-3-15-155-100.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	3.15.155.100
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more	Elastic IPs	
Private DNS	ip-172-31-23-144.us-east-2.compute.internal	Availability zone	us-east-2b
Private IPs	172.31.23.144	Security groups	Test-InstanceSecurityGroup-1UTB3OTVXUKD9. view inbound rules , view outbound rules
Secondary private IPs		Scheduled events	No scheduled events
VPC ID	vpc-a99c31c2	AMI ID	amzn2-ami-hvm-2.0.20200722.0-x86_64-gp2 (ami-07c8bc5c1ce9598c3)
Subnet ID	subnet-1db4b767	Platform details	Linux/UNIX
Network interfaces	eth0	Usage operation	RunInstances
IAM role	-	Source/dest. check	True
Key pair name	Test	T2/T3 Unlimited	Disabled
Owner	693057489457	EBS-optimized	False
Launch time	August 27, 2020 at 12:50:50 AM UTC+5:30 (less than one hour)	Root device type	ebs
Termination protection	False	Root device	Standard

In this **EC2** dashboard you can see your EC2 instance. Status. Description and the Public IP address to login to this instance. We have used **Amazon Linux** in the template as we will be learning DevOps and it's tools on Linux Operating System.

Download PuTTY - a free SSH and telnet client

putty.org

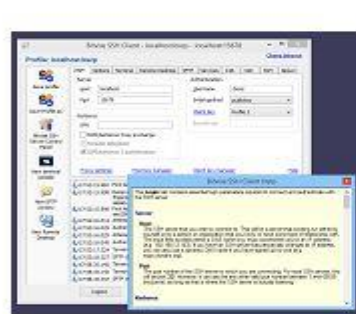


Download PuTTY

PuTTY is an **SSH** and telnet client, developed originally by Simon Tatham for the Windows software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY [here](#).

Below suggestions are independent of the authors of PuTTY. They are *not* to be seen as endorsements or recommendations.



Bitvise SSH Client

Bitvise SSH Client is an SSH and SFTP client for Windows. It is developed and supported professionally, easy to install, easy to use, and supports all features supported by PuTTY, as well as the following:

- graphical SFTP file transfer;
- single-click Remote Desktop tunneling;
- auto-reconnecting capability;
- dynamic port forwarding through an integrated proxy;
- an FTP-to-SFTP protocol bridge.

Bitvise SSH Client is **free to use**. You can [download it here](#).

Once your EC2 instance is launched. Go to the <https://putty.org> and click on the Download link as shown in the picture to download the **PuTTY** client. With putty client we can connect to the Linux System remotely

Download PuTTY: latest release (x +

chiark.greenend.org.uk/~sgtatham/putty/latest.html

Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

32-bit:	putty-0.74-installer.msi	(or by FTP)	(signature)
64-bit:	putty-64bit-0.74-installer.msi	(or by FTP)	(signature)

Unix source archive

.tar.gz:	putty-0.74.tar.gz	(or by FTP)	(signature)
----------	-----------------------------------	-----------------------------	-----------------------------

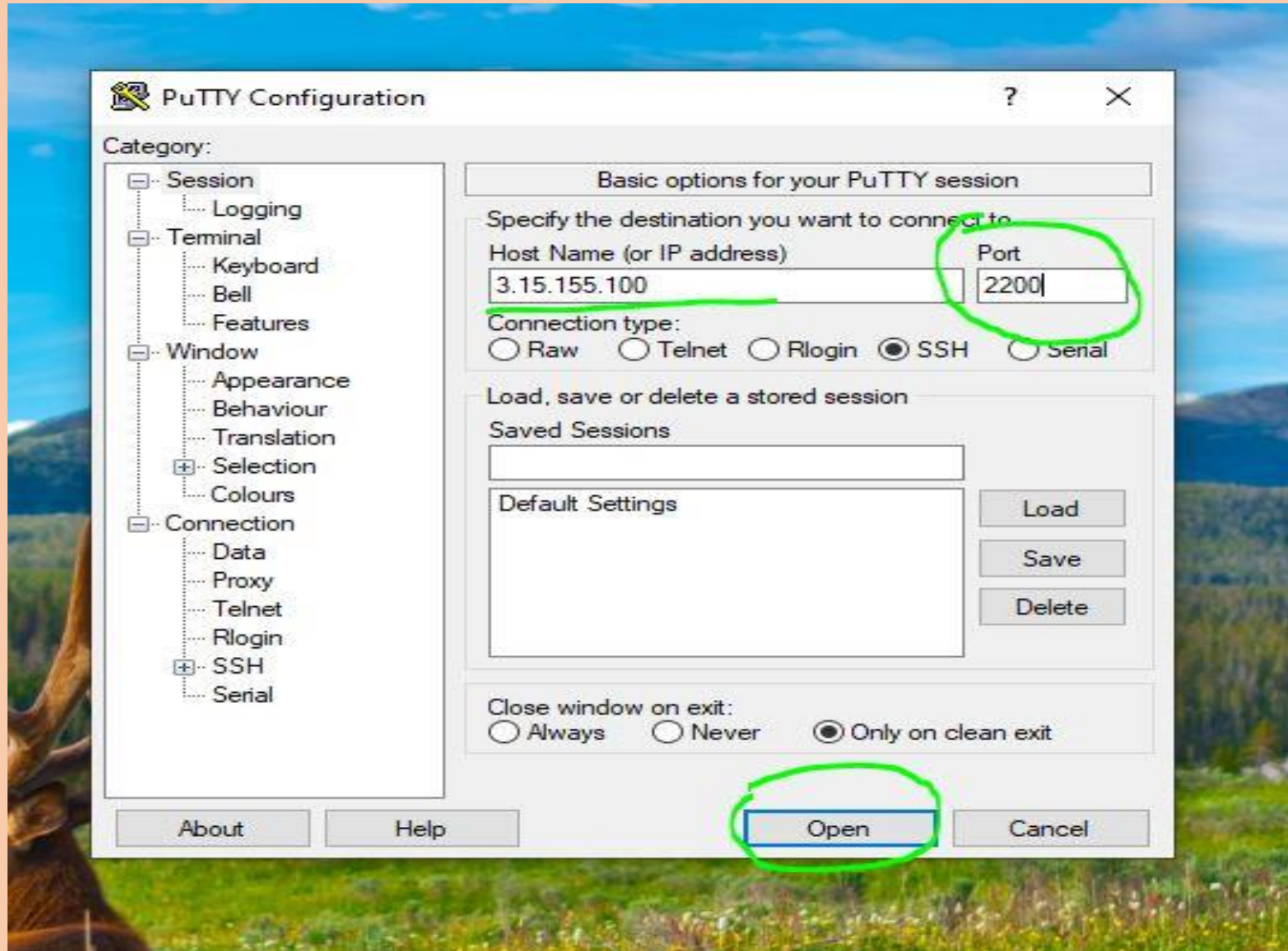
Alternative binary files

The installer packages above will provide versions of all of these (except PuTTYtel), but you can download standalone binaries one by one if you

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

putty.exe (the SSH and Telnet client itself)			
32-bit:	putty.exe	(or by FTP)	(signature)
64-bit:	putty.exe	(or by FTP)	(signature)
pscp.exe (an SCP client, i.e. command-line secure file copy)			
32-bit:	pscp.exe	(or by FTP)	(signature)
64-bit:	pscp.exe	(or by FTP)	(signature)
psftp.exe (an SFTP client, i.e. general file transfer sessions much like FTP)			

From this section choose suitable putty.exe file to download according to your OS version. Mostly it's 64bit.



Once putty is downloaded click and open it. Provide your public IP , Port no and click on the open to login to your **EC2** instance.

PuTTY Security Alert



The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.

The server's ssh-ed25519 key fingerprint is:

ssh-ed25519 255 0b:ee:3f:9d:f6:55:4f:cd:91:30:c4:18:0c:0c:52:9a

If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.

If you want to carry on connecting just once, without adding the key to the cache, hit No.

If you do not trust this host, hit Cancel to abandon the connection.

Yes

No

Cancel

Help

Click on *Yes*

```
cloud-user@ip-172-31-23-144:~$  
login as: cloud-user  
cloud-user@3.15.155.100's password:  
  
  _ |  ( _ | _ )  
  _ |  ( _ | _ /   Amazon Linux 2 AMI  
  _ | \ _ | _ |  
  
https://aws.amazon.com/amazon-linux-2/  
7 package(s) needed for security, out of 14 available  
Run "sudo yum update" to apply all updates.  
[cloud-user@ip-172-31-23-144 ~]$
```

Once you see this login (login as:) prompt. Provide the username **cloud-user** and password i.e **AWS@123**

cloud-user@ip-172-31-23-144:~

login as: cloud-user

cloud-user@3.15.155.100's password:

```
  _ |   _ |   )  
  _ | (   /   Amazon Linux 2 AMI  
  _ | \   |   |
```

<https://aws.amazon.com/amazon-linux-2/>

7 package(s) needed for security, out of 14 available

Run "sudo yum update" to apply all updates.

[cloud-user@ip-172-31-23-144 ~]\$ whoami

cloud-user

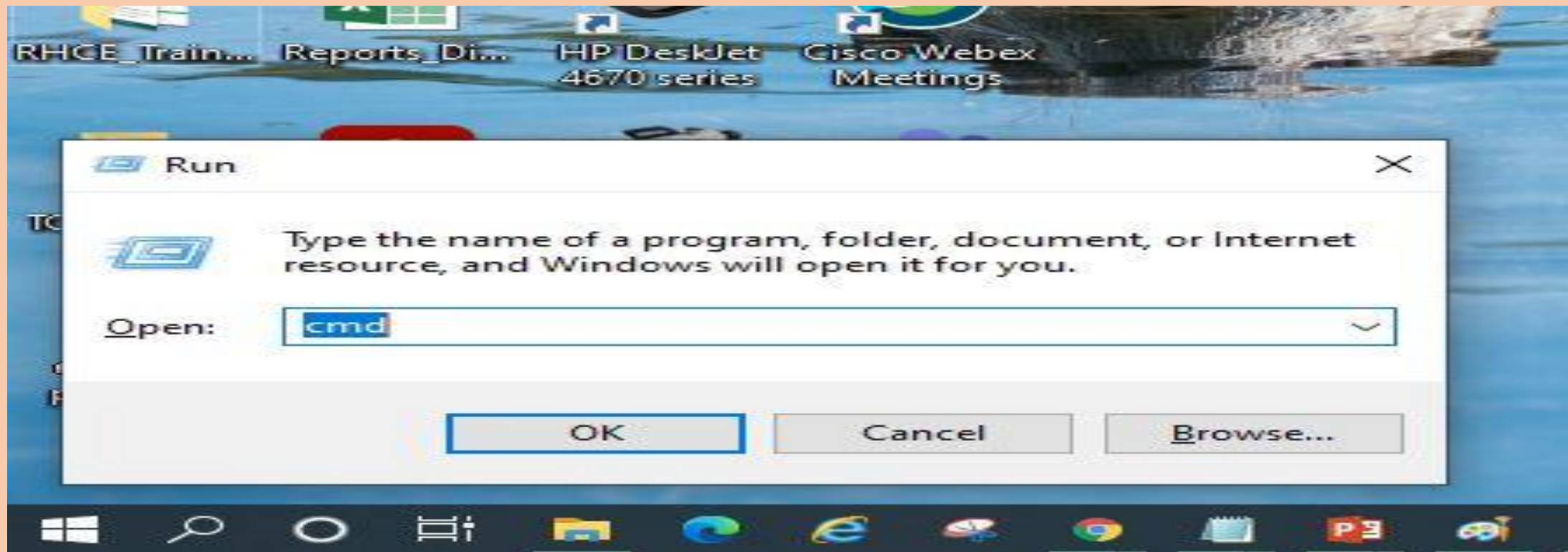
[cloud-user@ip-172-31-23-144 ~]\$ date

Wed Aug 26 19:31:28 UTC 2020

Once you are logged in you will get a \$ prompt where you can start executing linux commands.

```
root@ip-172-31-23-144:~  
[cloud-user@ip-172-31-23-144 ~]$  
[cloud-user@ip-172-31-23-144 ~]$  
[cloud-user@ip-172-31-23-144 ~]$ sudo su - root  
  
We trust you have received the usual lecture from the local System  
Administrator. It usually boils down to these three things:  
  
#1) Respect the privacy of others.  
#2) Think before you type.  
#3) With great power comes great responsibility.  
  
[sudo] password for cloud-user:  
[root@ip-172-31-23-144 ~]# whoami  
root  
[root@ip-172-31-23-144 ~]# date  
Wed Aug 26 19:35:09 UTC 2020  
[root@ip-172-31-23-144 ~]# pwd  
/root  
[root@ip-172-31-23-144 ~]#
```

Once you're logged in with **cloud-user** account, you can switch to root account using the command shown above. The **root** user is the superuser or administrator of Linux OS. The root user's login prompt is **#**



In order to login from Windows Command Prompt. Go to **Run** then type **cmd** and click **OK**. It will launch the command prompt of your windows system. From Mac OS you can open the **terminal**.

cloud-user@ip-172-31-23-144:~

C:\Users\Bikram Sengupta>ssh -p 2200 cloud-user@3.15.155.100

cloud-user@3.15.155.100's password:

Last login: Wed Aug 26 19:30:25 2020 from 103.50.83.149

```
  _|  _|_ )  
 _| (  _| /  Amazon Linux 2 AMI  
__|\__|__|
```

<https://aws.amazon.com/amazon-linux-2/>

7 package(s) needed for security, out of 14 available

Run "sudo yum update" to apply all updates.

[cloud-user@ip-172-31-23-144 ~]\$

From Windows Command Prompt you need to run the command as shown in the picture to login into your instance.

Thank You Everyone.

Happy Learning 😊