

## AWS Masterclass

### Part 1 : AWS

#### 1. AWS Login Screen with Username

aws

### 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

harshagrawal1802@gmail.com

Next

New to AWS?

Create a new AWS account

## Amazon FSx for Windows File Server

Fully managed Windows storage

LEARN MORE

aws

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[https://aws.amazon.com/fsx/windows/?sc\\_icampaign=Adoption\\_Campaign\\_site-merc...](https://aws.amazon.com/fsx/windows/?sc_icampaign=Adoption_Campaign_site-merc...)

## 2. EC2 Dashboard

The screenshot shows the AWS Management Console for the EC2 service in the Asia Pacific (Mumbai) region. The interface includes a top navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information. A left-hand navigation pane lists various EC2-related services like INSTANCES, IMAGES, ELASTIC BLOCK STORE, and NETWORK & SECURITY. The main content area features a 'Welcome to the new EC2 console!' banner, a 'Resources' section showing counts for various EC2 components, a 'Launch instance' button, 'Service health' status, 'Availability Zone status', and 'Scheduled events'. A right-hand sidebar contains 'Account attributes' and 'Explore AWS' promotional cards.

**Resources**

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Running instances	1	Elastic IPs	0	Dedicated Hosts	0
Snapshots	0	Volumes	1	Load balancers	0
Key pairs	5	Security groups	8	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 Asia Pacific (Mumbai) Region

**Service health**

Region: Asia Pacific (Mumbai) | Status: ✔ This service is operating normally

**Availability Zone status**

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

**Account attributes**

- Supported platforms [VPC](#)
- Default VPC [vpc-cd9c89a5](#)
- [Console experiments](#)
- [Settings](#)

**Explore AWS**

**Easily launch third-party AMI products**

AWS Marketplace has thousands of third-party AMI products that you can find, buy, and deploy with 1-click using the Amazon EC2 console. [Learn more](#)

**Save with AMD EPYC-Powered EC2 instances**

Learn how you can use EC2 instances featuring AMD EPYC processors to deliver a 10% lower cost on compute and memory. [Read the solution brief](#)

**Scheduled events**

Feedback | English (US)

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### 3. S3 Dashboard

WhatsApp

7-Day Free Masterclass

AWS project screenshots

S3 Management Console

AWS masterclass - Google

s3.console.aws.amazon.com/s3/home?region=ap-south-1#

AppsGST wifi loginfree tutzTorrentarena slackChris Alboninvis cloakMCA project

aws

Services

Resource Groups

SneakyBeaverGlobalSupport

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, [give feedback](#) on the recent updates.

Amazon S3

Buckets (1)

Copy ARNEmptyDeleteCreate bucket

Find bucket by name

	Name	Region	Access	Bucket created
<input type="radio"/>	beaver-bucket	Asia Pacific (Mumbai) ap-south-1	Objects can be public	2020-03-27T19:20:44.000Z

Feedback

English (US)

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## 4. Rekognition Dashboard

The screenshot shows the Amazon Rekognition console in the AWS Management Console. The browser tabs include WhatsApp, 7-Day Free Masterclass, AWS project screenshots, Rekognition Console, and AWS masterclass - Google. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#`. The AWS logo and navigation menu are at the top. The left sidebar contains the following links:

- Amazon Rekognition
- Demos
  - Object and scene detection
  - Image moderation
  - Facial analysis
  - Celebrity recognition
  - Face comparison
  - Text in image
- Video Demos
  - Video analysis
- Metrics
  - Metrics
- Additional Resources
  - Getting started guide
  - Download SDKs
  - Developer resources
  - Pricing
  - FAQ
  - Forum

The main content area features a large hero section with the title "Amazon Rekognition" and the subtitle "Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos." Below this are two buttons: "Try Demo" and "Download SDKs".

Below the hero section, there are three columns of content:

- Easily Integrate Powerful Visual Analysis into Your App**  
You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building visual recognition capabilities by making powerful and accurate analysis available with easy to use APIs.
- Continuously Learning**  
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.
- Integrated with AWS Services**  
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon S3 without moving any data. You can also run real-time video analysis on streams coming from Amazon Kinesis Video Streams.

The footer contains a "Feedback" button, a language selector set to "English (US)", and copyright information: "© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved." It also includes links for "Privacy Policy" and "Terms of Use".

## Part 2 : EC2

### 5. Choosing an AMI

WhatsApp

7-Day Free Masterclass

AWS project screenshots

Launch instance wizard

AWS masterclass - Google

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

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awsServicesResource Groups

SneakyBeaverMumbalSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start

My AMIs

AWS Marketplace

Community AMIs

Free tier only

Amazon Linux

Free tier eligible

**Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-03b5297d565ef30a6 (64-bit x86) / ami-0292503f80fe49021 (64-bit Arm)

Select

64-bit (x86)  
64-bit (Arm)

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.  
Root device type: ebs   Virtualization type: hvm   ENA Enabled: Yes

Amazon Linux

Free tier eligible

**Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-0fa6cd5aefbf02afe

Select

64-bit (x86)

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.  
Root device type: ebs   Virtualization type: hvm   ENA Enabled: Yes

Red Hat

Free tier eligible

**Red Hat Enterprise Linux 8 (HVM), SSD Volume Type** - ami-0a74bfeb190bd404f

Select

64-bit (x86)

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type  
Root device type: ebs   Virtualization type: hvm   ENA Enabled: Yes

SUSE Linux

Free tier eligible

**SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type** - ami-0e0e7b909aea48186 (64-bit x86) / ami-0ee4e92e70c6b59e0 (64-bit Arm)

Select

64-bit (x86)  
64-bit (Arm)

SUSE Linux Enterprise Server 15 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.  
Root device type: ebs   Virtualization type: hvm   ENA Enabled: Yes

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## 6. Choosing an instance type

WhatsApp

7-Day Free Masterclass

AWS project screenshots

Launch instance wizard

AWS masterclass - Google

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

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awsServicesResource Groups

SneakyBeaverMumbaiSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes

CancelPreviousReview and LaunchNext: Configure Instance Details

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## 7. Adding Storage

WhatsApp

7-Day Free Masterclass

AWS project screenshots

Launch instance wizard

AWS masterclass - Google

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

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awsServicesResource Groups

SneakyBeaverMumbalSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encryption ⓘ
Root	/dev/xvda	snap-0a65864f0ac2b05f1	8	General Purpose SSD (gp2) ▾	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted ▾

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

CancelPreviousReview and LaunchNext: Add Tags

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## 8. Configuring Security Group

WhatsApp7-Day Free MasterclassAWS project screenshotsLaunch instance wizardAWS masterclass - Google

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:AppsGST wifi loginfree tutzTorrentarena slackChris Alboninvis cloakMCA project

awsServicesResource GroupsSneakyBeaverMumbalSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

**Assign a security group:** ☒ Create a **new** security group  
☐ Select an **existing** security group

**Security group name:**

**Description:**

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

**Warning**

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

[Cancel](#)[Previous](#)[Review and Launch](#)

[Feedback](#)[English \(US\)](#)

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## 9. Key Pair Download

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**Improve your instances' security.** Your security group, launch-wizard-8, is open to the world. Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access.

**AMI Details**

**Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-**

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux Root Device Type: ebs Virtualization type: hvm

**Instance Type**

Instance Type	ECUs	vCPUs	Memory (GB)
t2.micro	Variable	1	1

**Security Groups**

Security group name	Description
launch-wizard-8	launch-wizard-8 created 2020-03-29T20:00:00Z

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

**Key pair name**

AwsProjectKey

**Download Key Pair**

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

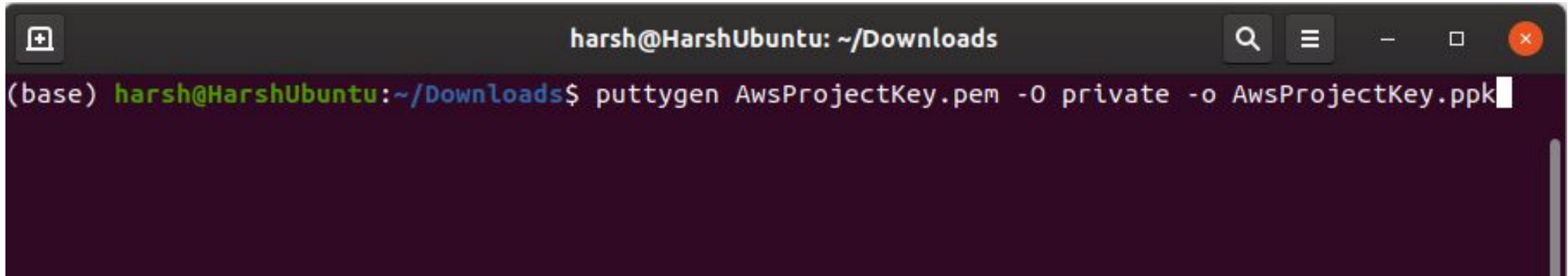
**Cancel** **Launch Instances**

**Feedback** **English (US)**

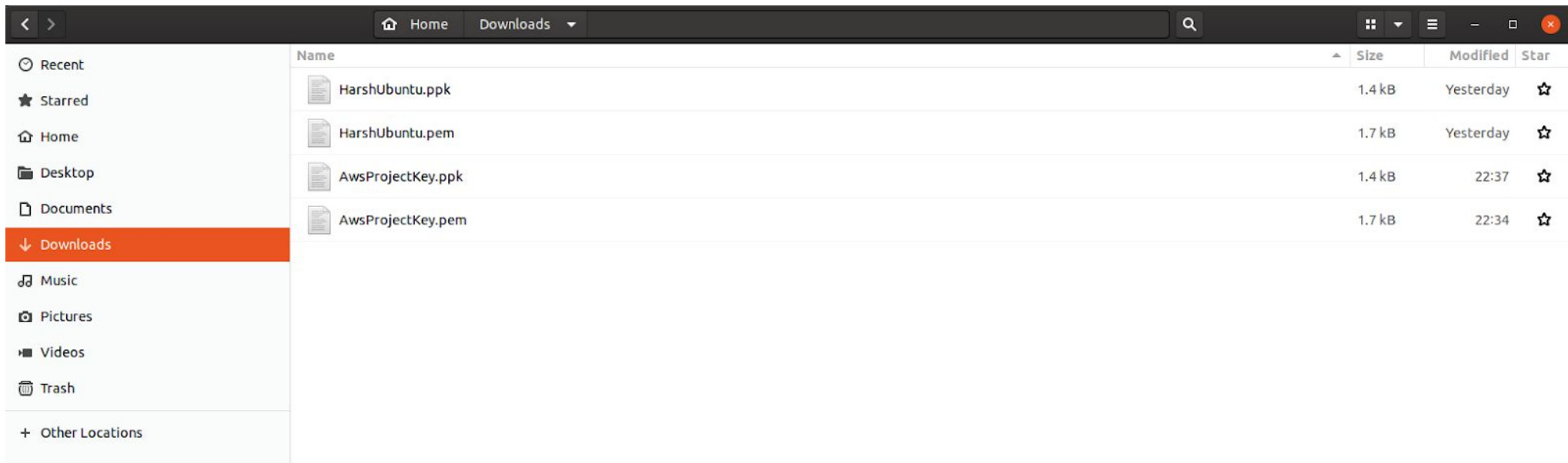
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AwsProject....pem **Show all**

## 10. Puttygen Conversion from pem to ppk

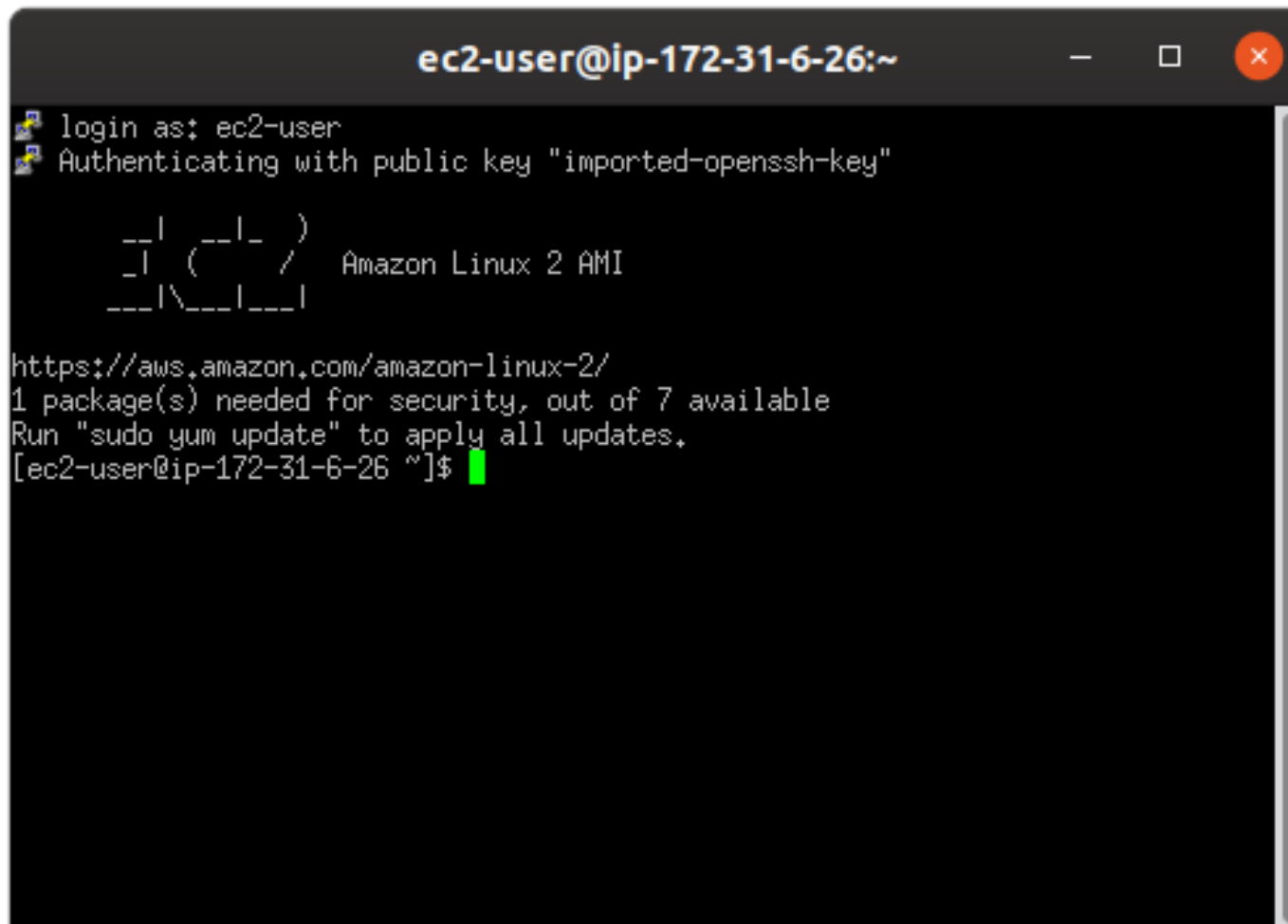


```
harsh@HarshUbuntu: ~/Downloads
(base) harsh@HarshUbuntu:~/Downloads$ puttygen AwsProjectKey.pem -O private -o AwsProjectKey.ppk
```



	Name	Size	Modified	Star
	HarshUbuntu.ppk	1.4 kB	Yesterday	☆
	HarshUbuntu.pem	1.7 kB	Yesterday	☆
	AwsProjectKey.ppk	1.4 kB	22:37	☆
	AwsProjectKey.pem	1.7 kB	22:34	☆

## 11. Logged in EC2 Black Screen

A terminal window titled 'ec2-user@ip-172-31-6-26:~' with standard window controls. The terminal shows the login process for 'ec2-user' using a public key. It displays the Amazon Linux 2 AMI logo, a URL to the Amazon Linux 2 website, and a message about security updates. The prompt is '[ec2-user@ip-172-31-6-26 ~]\$' with a green cursor.

```
ec2-user@ip-172-31-6-26:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
  
  _ _ | _ _ | _ _ )  
 _ | ( _ _ /   Amazon Linux 2 AMI  
 _ _ | \ _ _ | _ _ |  
  
https://aws.amazon.com/amazon-linux-2/  
1 package(s) needed for security, out of 7 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-6-26 ~]$
```



## Part 3 : S3

### 12. Creating a bucket

WhatsApp x 7-Day Free Masterclass x S3 Management Console x AWS project screenshots x AWS masterclass - Google x

s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1

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**Amazon S3**

**Buckets**

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, [give feedback](#) on the recent updates.

Amazon S3 > Create bucket

## Create bucket

### General configuration

Bucket name

baby-beaver

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

Region

Asia Pacific (Mumbai) ap-south-1

### Bucket settings for Block Public Access

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☒ **Block all public access**

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

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AwsProject....pem Show all

## 13. Uploading an Object

The screenshot shows the AWS S3 console interface with the 'Upload' modal open for the bucket 'baby-beaver'. The modal has a blue header with a large blue arrow icon and the title 'Upload'. Below the header is a progress bar with four steps: 1. Select files (active), 2. Set permissions, 3. Set properties, and 4. Review. The main content area shows '1 Files' with a size of '150.0 B' and a 'Target path: baby-beaver'. A message states: 'To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. [Learn more](#)'. Below this is a link to 'Add more files'. A file named 'index.html' with a size of '150.0 B' is listed. At the bottom of the modal are 'Upload' and 'Next' buttons. The background shows the S3 console navigation pane with 'Amazon S3' and 'baby-beaver' selected, and an 'Overview' tab. The footer includes 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'.

1 Select files 2 Set permissions 3 Set properties 4 Review

1 Files Size: 150.0 B Target path: baby-beaver

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. [Learn more](#)

[Add more files](#)

index.html  
- 150.0 B

Upload Next

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## 14. Enabling the static website

The screenshot shows the AWS S3 console interface for a bucket named 'baby-beaver'. The 'Static website hosting' feature is being configured. The 'Endpoint' is displayed as `http://baby-beaver.s3-website.ap-south-1.amazonaws.com`. The 'Use this bucket to host a website' option is selected. The 'Index document' is set to `index.html` and the 'Error document' is set to `error.html`. The 'Redirection rules (optional)' section is currently empty. Below the main configuration area, there are three other settings: 'Versioning' (Disabled), 'Server access logging' (Disabled), and 'Static website hosting' (Enabled).

Amazon S3 > baby-beaver

**Static website hosting**

Endpoint : `http://baby-beaver.s3-website.ap-south-1.amazonaws.com`

☒ Use this bucket to host a website [Learn more](#)

Index document ⓘ  
`index.html`

Error document ⓘ  
`error.html`

Redirection rules (optional) ⓘ

Versioning  
Keep multiple versions of an object in the same bucket.  
[Learn more](#)  
☐ Disabled

Server access logging  
Set up access log records that provide details about access requests.  
[Learn more](#)  
☐ Disabled

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## 15. Making the Object Public

The screenshot shows the AWS S3 console interface for an object named 'index.html'. The browser tabs at the top include 'WhatsApp', '7-Day Free Masterclass', 'S3 Management Console', 'AWS project screenshots', and 'AWS masterclass - Google'. The console header shows the AWS logo, 'Services', 'Resource Groups', and user information 'SneakyBeaver'.

The object details are displayed under the 'Properties' tab. The 'Overview' tab is also visible. The 'Make public' button is highlighted in blue, indicating the action to be taken to make the object public.

**index.html** Latest version ▾

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

**Owner**  
08cb56c3de9eab2233794f8e0f05e00c777b309e04af697de42bfc5e863af492

**Last modified**  
Mar 29, 2020 10:45:48 PM GMT+0530

**Etag**  
658488ac30ce241879e5c583609757fa

**Storage class**  
Standard

**Server-side encryption**  
None

**Size**  
150.0 B

**Key**  
index.html

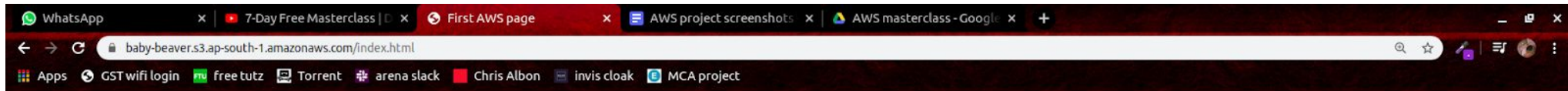
**Object URL**  
<https://baby-beaver.s3.ap-south-1.amazonaws.com/index.html>

Operations 0 In progress 1 Success 0 Error

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## 16. Checking the S3 link on browser



# Hi! I am new to AWS

And this is my Bucket



## Part 4 : Rekognition

### 17. Face Detect

WhatsApp

7-Day Free Masterclass

Rekognition Console

AWS project screenshots

AWS masterclass - Google

ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/face-detection

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Amazon Rekognition

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Metrics

Additional Resources


Getting started guide

Download SDKs



Developer resources

## Facial analysis

Get a complete analysis of facial attributes, including confidence scores.



Choose a sample image



Use your own image


Image must be .jpeg or .png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Done with the demo?

[Learn more](#)

Results



looks like a face	99.9 %
appears to be male	99 %
age range	29 - 45 years old
not smiling	99.7 %
appears to be calm	98.5 %
not wearing glasses	99.5 %

Show more

FeedbackEnglish (US)

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Linkin-Park.jpg ^ AwsProject....pem ^

Show all x



## 18. Face Compare

Browser tabs: (1) WhatsApp, 7-Day Free Masterclass, Rekognition Console, AWS project screenshots, AWS masterclass - Google

Address bar: ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/face-comparison


Navigation bar: AWS Services, Resource Groups, SneakyBeaver, Mumbai, Support

Left sidebar: Amazon Rekognition, Demos, Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, **Face comparison**, Text in image, Video Demos, Video analysis, Metrics, Additional Resources, Getting started guide, Download SDKs, Developer resources


### Face comparison

Compare faces to see how closely they match based on a similarity percentage.

Reference face









Comparison faces




Done with the demo? [Learn more](#)


▼ Results

	=	
Similarity		99.2 %
	≠	
	≠	

Choose a sample image



Choose a sample image



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ChesterB.jpg Linkin-Park.jpg AwsProject....pem [Show all](#)

## 19. Celebrity Recognition

WhatsApp | 7-Day Free Masterclass | Rekognition Console | AWS project screenshots | AWS masterclass - Google

ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/celebrity-detection

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aws Services Resource Groups


SneakyBeaver Mumbai Support

### Amazon Rekognition

- Demos
  - Object and scene detection
  - Image moderation
  - Facial analysis
  - Celebrity recognition**
  - Face comparison
  - Text in image
- Video Demos
  - Video analysis
- Metrics
  - Metrics
- Additional Resources
  - Getting started guide
  - Download SDKs
  - Developer resources


## Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.



Done with the demo? [Learn more](#)

### Results



**Chester Bennington**  
[Learn More](#)

Match confidence 100 %

► Request

► Response

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Feedback English (US)

ChesterBenn...jpg ChesterB.jpg Linkin-Park.jpg AwsProject...pem [Show all](#)

## 20. Text in image

WhatsApp

7-Day Free Masterclass

Recognition Console

AWS project screenshots

AWS masterclass - Google

ap-south-1.console.aws.amazon.com/rekognition/home?region=ap-south-1#/text-detection

AppsGST wifi loginfree tutzTorrentarena slackChris Alboninvis cloakMCA project

awsServicesResource Groups

SneakyBeaverMumbaiSupport

Amazon Rekognition

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Additional Resources


Getting started guide

Download SDKs


Developer resources

### Text in image

Rekognition automatically detects and extracts text in your images. [Learn More](#)



Choose a sample image



Use your own image

Image must be .jpeg or .png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL

Done with the demo?

[Learn more](#)

ResultsUS English only

| Success | is | nice, |

| shouldn't |

| but | it | be |

| the | only | reason |

| why | you're |

| a | musician. |

Request

Response

FeedbackEnglish (US)

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Image.jpgChesterBenn....jpgChesterB.jpgLinkin-Park.jpgAwsProject....pemShow all



## Part 5 : EC2 and S3

### 21. Installing aws-sdk

```
ec2-user@ip-172-31-6-26:/var/www/html/face
[ec2-user@ip-172-31-6-26 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.8 for aws/aws-sdk-php
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
  - Installing symfony/event-dispatcher (v2.8.52): Loading from cache
  - Installing guzzle/guzzle (v3.9.3): Downloading (100%)
  - Installing aws/aws-sdk-php (2.8.31): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/dependency-injection
symfony/event-dispatcher suggests installing symfony/http-kernel
guzzle/guzzle suggests installing guzzlehttp/guzzle (Guzzle 5 has moved to a new package name. The package you have installed, Guzzle 3, is deprecated.)
aws/aws-sdk-php suggests installing doctrine/cache (Adds support for caching of credentials and responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode caching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-6-26 face]$
```

## 22. Install php

```
ec2-user@ip-172-31-6-26:~  
[ec2-user@ip-172-31-6-26 ~]$ sudo yum install php  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
Resolving Dependencies  
--> Running transaction check  
---> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed  
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: ph  
p-5.4.16-46.amzn2.0.2.x86_64  
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package:  
php-5.4.16-46.amzn2.0.2.x86_64  
--> Running transaction check  
---> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed  
---> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed  
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-4  
6.amzn2.0.2.x86_64  
--> Running transaction check  
---> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed  
--> Finished Dependency Resolution  
  
Dependencies Resolved  
  
=====
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====
```

Installing:

## 23. Index.php file Code

```
ec2-user@ip-172-31-6-26:/var/www/html/face

<?php

error_reporting(0);

require_once(__DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'baby-beaver';
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
    'profile'    => 'default',
    'region'     => 'ap-south-1',
    'version'    => '2006-03-01',
    'signature'  => 'v4'
]);

try {
    $result = $s3->putObject([
        'Bucket'    => $bucket,
        'Key'       => $keyname,
        'SourceFile' => __DIR__ . "/" . $keyname,
        'ACL'       => 'public-read'
    ]);


    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done... Here is the URL: " . $imageUrl;
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}


```

36,1 All

## 24. Upload Success screenshot

```
ec2-user@ip-172-31-6-26:/var/www/html/face
[ec2-user@ip-172-31-6-26 face]$ sudo php index.php
Image upload done... Here is the URL: https://baby-beaver.s3.ap-south-1.amazonaws.com/sample.jpg[ec2-user
[ec2-user@ip-172-31-6-26 face]$
```

 Services ▾ Resource Groups ▾

SneakyBeaver ▾ Global ▾ Support ▾

baby-beaver


Overview


Properties


Permissions

Management

Access points


 Type a prefix and press Enter to search. Press ESC to clear.

 Upload



 Create folder

Download

Actions ▾

Asia Pacific (Mumbai) 

Viewing 1 to 2

<input type="checkbox"/> Name ▾	Last modified ▾	Size ▾	Storage class ▾
<input type="checkbox"/>  index.html	Mar 29, 2020 10:45:48 PM GMT+0530	150.0 B	Standard
<input type="checkbox"/>  sample.jpg	Mar 30, 2020 1:51:24 AM GMT+0530	113.3 KB	Standard

Viewing 1 to 2



## Part 5 : EC2 and Rekognition

### 25. Face Detect success screenshot

```
ec2-user@ip-172-31-1-53:/var/www/html/face  
[ec2-user@ip-172-31-1-53 face]$ sudo vim index.php  
[ec2-user@ip-172-31-1-53 face]$ sudo php index.php  
Image upload done... Here is the URL: https://baby-beaver.s3.ap-south-1.amazonaws.com/sample.  
jpgTotally there are 6 faces[ec2-user@ip-172-31-1-53 face]$
```

Input image for this case was:

