

# 1.AWS MANAGEMENT CONSOLE

The screenshot shows the AWS Management Console interface in a web browser. The browser's address bar displays the URL: `us-east-2.console.aws.amazon.com/console/home?nc2=h_ct&region=us-east-2&src=header-signin#`. The console header includes the AWS logo, navigation links for 'Services' and 'Resource Groups', and user information for 'Balakrishnan' in the 'Ohio' region, with a 'Support' link. The main content area is titled 'AWS Management Console' and is divided into several sections:

- AWS services**: Contains a 'Find Services' section with a search bar. The search bar has a placeholder text: 'Example: Relational Database Service, database, RDS'. Below the search bar is a 'Recently visited services' section showing 'EC2' with a dropdown arrow. At the bottom of this section is a link for 'All services'.
- Access resources on the go**: Features a mobile app icon and text: 'Access the Management Console using the AWS Console Mobile App. [Learn more](#)'.
- Explore AWS**: Contains two featured services:
  - Amazon EMR**: Text: 'The EMR runtime for Apache Spark is up to 32X faster, delivering improved performance and lowering costs. [Learn more](#)'.
  - AWS IQ**: Text: 'Connect with AWS Certified third-party experts for on-demand consultations and project help. [Get started](#)'.
- Build a solution**: Contains three links for building solutions:
  - Launch a virtual machine**: With EC2
  - Build a web app**: With Elastic Beanstalk
  - Build using virtual servers**: With Lightsail

The Windows taskbar at the bottom shows the search bar with the text 'Type here to search', several application icons (including Edge, File Explorer, Mail, and Teams), and the system clock displaying '16:47' and '30-03-2020'.

## 2. EC2 DASHBOARD

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Balakrishnan, Ohio, Support). The left sidebar contains navigation links for 'EC2 Dashboard New', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES', 'IMAGES', and 'Bundle Tasks'. The main content area is titled 'EC2' and features a 'Resources' section with a table of EC2 resources in the US East (Ohio) Region. A 'Launch instance' button is visible at the bottom of the main content area. The right sidebar contains 'Account attributes' and 'Explore AWS' sections. The bottom of the image shows a Windows taskbar with various application icons and system information.

EC2 Management Console | New Tab | us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home: | Paused

aws Services Resource Groups | Balakrishnan Ohio Support

New EC2 Experience  
Tell us what you think

EC2 Dashboard New

Events New

Tags

Reports

Limits

▼ INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

▼ IMAGES

AMIs

Bundle Tasks

EC2

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		

Launch instance

Account attributes

Supported platforms

- VPC

Default VPC

vpc-aec316c5

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

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

16:51 30-03-2020

### 3. S3 DASHBOARD

S3 Management Console

New Tab

← → ↺

s3.console.aws.amazon.com/s3/home?region=us-east-2#

☆ ⛔ Paused

aws

Services ▾

Resource Groups ▾

★

🔔

Balakrishnan ▾

Global ▾

Support ▾

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 (0)

📄 Copy ARN

Empty

Delete

Create bucket

🔍 Find bucket by name

< 1 > ⚙️

Name ▾	Region	Access	Bucket created ▾
No buckets			
You don't have any buckets.			
<div>Create bucket</div>			

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

🏠 🔍 Type here to search

🔌 🖨️ 🌐 📧 🛒 🎧 🔄 📺 📶

🔼 📶 🔊 ENG 16:55 30-03-2020 🗨️



## 4. REKOGNITION DASHBOARD

The screenshot shows the Amazon Rekognition Console in a web browser. The browser's address bar displays the URL `us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/`. The console's top navigation bar includes the AWS logo, 'Services' and 'Resource Groups' dropdowns, and a user profile for 'Balakrishnan' in the 'Ohio' region with a 'Support' link. A left-hand sidebar lists navigation options: 'Amazon Rekognition', 'Custom Labels' (marked as 'New'), 'Use Custom Labels', 'Demos' (with sub-items: 'Object and scene detection', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image'), 'Video Demos' (with sub-item: 'Video analysis'), and 'Metrics'. The main content area features a large hero section with the title 'Amazon Rekognition' and the description 'Deep learning-based visual analysis service. Search, verify, and organize millions of images and videos'. It includes 'Try Demo' and 'Download SDKs' buttons. Below this, three key features are highlighted with icons and text: 1) 'Easily Integrate Powerful Visual Analysis into Your App' with a neural network icon, stating that users don't need computer vision or deep learning expertise; 2) 'Continuously Learning' with a circuit icon, stating the service is designed to use deep learning technology to analyze billions of images and videos daily; 3) 'Integrated with AWS Services' with a puzzle piece icon, stating it works seamlessly with other AWS services. The footer contains a 'Feedback' link, 'English (US)' language selector, copyright notice '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', 'Privacy Policy' and 'Terms of Use' links, and system information including the time '17:04' and date '30-03-2020'.

Rekognition Console

New Tab

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

aws Services Resource Groups

Balakrishnan Ohio Support

### Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

- Object and scene detection
- Image moderation
- Facial analysis
- Celebrity recognition
- Face comparison
- Text in image

Video Demos

- Video analysis

Metrics

Metrics

## Amazon Rekognition

Deep learning-based visual analysis service  
Search, verify, and organize millions of images and videos

[Try Demo](#)

[Download SDKs](#)

### Easily Integrate Powerful Visual Analysis into Your App

You don't need computer vision or deep learning expertise to take advantage of

### Continuously Learning

Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is

### Integrated with AWS Services

Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Feedback English (US)

Type here to search


17:04 30-03-2020

## 5. CHOOSING AN AMI

Launch instance wizard | EC2 Ma x New Tab

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

Paused

 Services Resource Groups

Balakrishnan Ohio Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. 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-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (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

Select

64-bit (x86)

64-bit (Arm)

 Amazon Linux

Free tier eligible

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8

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

Select

64-bit (x86)

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

17:06


30-03-2020


## 6. CHOOSING AN INSTANCE TYPE

Launch instance wizard | EC2 Ma x New Tab

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

Paused

 Services ▾ Resource Groups ▾

 Balakrishnan ▾ Ohio ▾ Support ▾

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. 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

Cancel


Previous

Review and Launch

Next: Configure Instance Details

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use



17:07

30-03-2020



## 7.ADDING STORAGE

Launch instance wizard | EC2 Ma x | New Tab

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

aws Services Resource Groups

Balakrishnan Ohio Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. 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-0f54692056aaa4c20	<input type="text" value="8"/>	General Purpose SSD (gp2) ▼	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypte ▼

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.

Cancel Previous Review and Launch Next: Add Tags


Feedback English (US) © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use


## 8.CONFIGURING SECURITY GROUP

Launch instance wizard | EC2 Ma xNew Tab

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

Paused

 Services ▾ Resource Groups ▾

 Balakrishnan ▾ Ohio ▾ Support ▾

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. 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

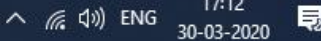
Previous

Review and Launch

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

 Type here to search

 17:12 30-03-2020



## 9. CREATING A KEYPAIR

The screenshot shows the AWS Management Console's 'Launch instance wizard' at the 'Review' step. A modal dialog titled 'Select an existing key pair or create a new key pair' is open. The modal explains that a key pair consists of a public key (stored by AWS) and a private key (stored by the user). It notes that the selected key pair will be added to the instance's authorized keys. The dialog includes a dropdown menu set to 'Create a new key pair', a text input field for the 'Key pair name' containing 'aws\_bala', and a 'Download Key Pair' button. A warning message states: '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.' At the bottom of the modal are 'Cancel' and 'Launch Instances' buttons. The background shows the 'Step 7: Review Instance Launch' page with details for the Amazon Linux 2 AMI, t2.micro instance type, and a security group. The Windows taskbar at the bottom shows the time as 17:16 on 30-03-2020.

Launch instance wizard | EC2 Ma x New Tab

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

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 7: Review Instance Launch

▼ AMI Details

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

Free tier eligible

Amazon Linux 2 comes with five years support. It provides the latest software packages.

Root Device Type: ebs Virtualization type: hvm

▼ Instance Type

Instance Type	ECUs	vCPUs	Memory
t2.micro	Variable	1	1 GiB

▼ Security Groups

Security group name	Description
launch-wizard-1	launch-wizard-1 created 2020-03-30 17:16

Type	Protocol
SSH	TCP

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

aws\_bala.pem

Type here to search

17:16 30-03-2020

# 10.PUTTYGEN CONVERSION

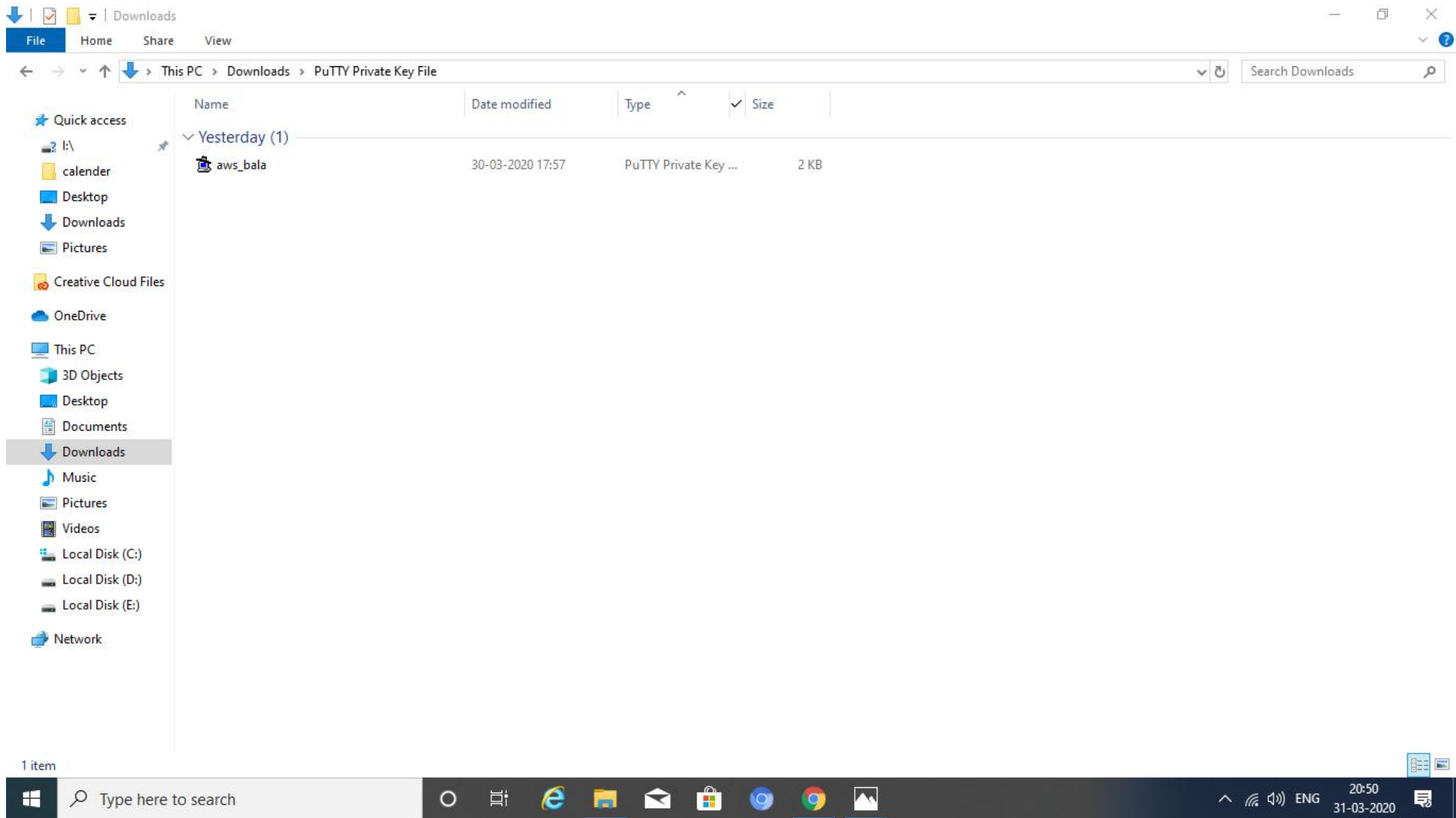
The screenshot displays a Windows File Explorer window titled "Downloads". The left sidebar shows the "Downloads" folder selected under "This PC". The main pane lists 11 items, categorized by time: "Today (7)", "Last week (3)", and "A long time ago (1)".

Name	Date modified	Type	Size
<strong>Today (7)</strong>			
aws_bala	30-03-2020 17:57	PuTTY Private Key ...	2 KB
putty-64bit-0.73-installer	30-03-2020 17:35	Windows Installer ...	3,094 KB
putty	30-03-2020 17:33	Application	1,152 KB
aws_bala.pem	30-03-2020 17:15	PEM File	2 KB
social_network	30-03-2020 15:38	WinRAR archive	559 KB
opera autoupdate	30-03-2020 17:07	File folder	
social_network	30-03-2020 15:39	File folder	
<strong>Last week (3)</strong>			
xampp-windows-x64-7.4.3-0-VC15-instal...	28-03-2020 19:20	Application	1,52,608 KB
xampp-windows-x64-7.2.28-0-VC15-inst...	28-03-2020 18:50	Application	1,51,280 KB
GuvCertification - 658luR28T15Kr49I1b	26-03-2020 22:38	PDF File	476 KB
<strong>A long time ago (1)</strong>			
Projectile Weapons Installer	24-11-2019 19:32	File folder	

11 items

Taskbar: 18:06, 30-03-2020

# 11.PEM TO PPK CONVERSION





## 12.EC2 BLACKSCREEN

The screenshot shows the AWS Management Console interface. A terminal window is open, displaying a black screen, indicating a 'black screen' issue. The terminal output shows the user logging in as 'ec2-user' and authenticating with a public key. The background shows the EC2 instance details for 'i-005ed631f1c965775', which is in the 'running' state. The instance is a 't2.micro' type, and its public DNS is 'ec2-3-21-245-16.us-east-2.compute.amazonaws.com'. The instance's public IP is '3.21.245.16'. The terminal window also shows the command 'sudo yum update' and the output 'Run "sudo yum update" to apply all updates.'

Instances | EC2 Management Console | New Tab

ec2-user@ip-172-31-19-220:~

login as: ec2-user

Authenticating with public key "imported-openssh-key"

Amazon Linux 2 AMI

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

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

Run "sudo yum update" to apply all updates.

Tags[ec2-user@ip-172-31-19-220 ~]\$

Instance ID: i-005ed631f1c965775

Instance state: running

Instance type: t2.micro

Public DNS (IPv4): ec2-3-21-245-16.us-east-2.compute.amazonaws.com

IPv4 Public IP: 3.21.245.16

IPv6 IPs: -

Elastic IPs: -

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

putty-64bit-0.73-i...msi putty.exe aws\_bala.pem

Type here to search

18:02 30-03-2020

Instances | EC2 Management Console

New Tab

Inbox (677) - balavivekanandhan

+

Paused

Balakrishnan Ohio Support

1 to 1 of 1

Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
us-east-2b	running	2/2 checks ...	None	ec2-3-21-245-16.us-east-2.compute.amazonaws.com

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

IMAGES

Instance ID

Instance state

Instance type

Finding

Public DNS

i-005ed631f1c965775

running

t2.micro

Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

ip-172-31-19-220.us-east-2.compute.internal

Public DNS (IPv4)

IPv4 Public IP

IPv6 IPs

Elastic IPs

ec2-3-21-245-16.us-east-2.compute.amazonaws.com

3.21.245.16

-

Feedback

English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.

Privacy Policy

Terms of Use

putty-64bit-0.73-i...msi

putty.exe

aws\_bala.pem

Show all

Type here to search

ENG

18:25

30-03-2020

ec2-user@ip-172-31-19-220:~

sudo: vim/var/www/html/index.html: command not found

[ec2-user@ip-172-31-19-220 ~]\$ sudo service httpd status

Redirecting to /bin/systemctl status httpd.service

● httpd.service - The Apache HTTP Server

Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)

Active: active (running) since Mon 2020-03-30 12:41:33 UTC; 7min ago

Docs: man:httpd.service(8)

Main PID: 32505 (httpd)

Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"

CGroup: /system.slice/httpd.service

└─32505 /usr/sbin/httpd -DFOREGROUND

└─32506 /usr/sbin/httpd -DFOREGROUND

└─32507 /usr/sbin/httpd -DFOREGROUND

└─32508 /usr/sbin/httpd -DFOREGROUND

└─32509 /usr/sbin/httpd -DFOREGROUND

└─32510 /usr/sbin/httpd -DFOREGROUND

Mar 30 12:41:33 ip-172-31-19-220.us-east-2.compute.internal systemd[1]: Start...

Mar 30 12:41:33 ip-172-31-19-220.us-east-2.compute.internal systemd[1]: Start...

Hint: Some lines were ellipsized, use -l to show in full.

[ec2-user@ip-172-31-19-220 ~]\$ sudo vim /var/www/html/index.html

[ec2-user@ip-172-31-19-220 ~]\$



Hi harini this is bala. We gonna get aws certificate from ethnus.cheers!





# 13.CREATING A BUCKET

3.21.245.16


S3 Management Console

+

← → ↻

s3.console.aws.amazon.com/s3/home?region=us-east-2

☆ ● Paused

 Services ▾ Resource Groups ▾

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.

✔

**Successfully created bucket awsbala05**  
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose **Go to bucket details**.

Go to bucket details

Amazon S3

Buckets (1)

Copy ARN

Empty

Delete

Create bucket

aws\_bala

✕

0 matches

< 1 >

⚙️

Name ▾	Region	Access	Bucket created ▾
No matches We can't find a match. Clear filters			

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Windows logo

Type here to search

○

🖨

🌐

📁

✉

🛒

🔍

🌐

⤴

📶

🔊

ENG

18:50

30-03-2020

🗨

## 14.UPLOADING OBJECT

The screenshot displays the AWS S3 Management Console interface. A modal dialog titled "Upload" is open, showing the progress of uploading a file. The dialog has a blue header with a close button (X) and a progress bar with four steps: 1. Select files (active), 2. Set permissions, 3. Set properties, and 4. Review. Below the progress bar, it shows "1 Files", "Size: 289.0 B", and "Target path: awsbala05". 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, there is a button "+ Add more files". A list of files is shown, including "index.html" with a size of "289.0 B" and a delete icon (X). At the bottom of the dialog, there are two buttons: "Upload" and "Next". The background shows the AWS console navigation bar with "Services" and "Resource Groups" menus, and the user's name "Balakrishnan" and "Global" region. The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and system tray.

3.21.245.16 x S3 Management Console x +

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2

aws Services Resource Groups Balakrishnan Global Support

Upload

1 Select files 2 Set permissions 3 Set properties 4 Review

1 Files Size: 289.0 B Target path: awsbala05

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  
- 289.0 B

Upload Next

Feedback English (US) © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

19:09  
30-03-2020

# 15.HTML FILE SAVED IN BUCKET.

S3 Management Console

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2

Services Resource Groups


Overview Properties Permissions Management Access points

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

Upload Create folder Download Actions

US East (Ohio)

Viewing 1 to 1

<input type="checkbox"/>	Name	Last modified	Size	Storage class
<input type="checkbox"/>	 index.html	Mar 30, 2020 7:10:41 PM GMT+0530	289.0 B	Standard

Viewing 1 to 1

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

19:11 30-03-2020



## 16. ENABLING STATIC WEBSITE HOSTING

The screenshot displays the AWS S3 Management Console interface. The main panel is titled 'Static website hosting' and shows the configuration for the bucket 'awsbala05'. The endpoint is listed as `http://awsbala05.s3-website.us-east-2.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 'Bucket hosting' option is selected at the bottom. To the right, the 'Object-level logging' panel is shown, which is currently disabled. The AWS console header includes the 'Services' and 'Resource Groups' menus, and the user's name 'Balakrishnan' is visible in the top right. The Windows taskbar at the bottom shows the search bar and various application icons.

S3 Management Console

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2&tab=properties

Static website hosting

Endpoint : `http://awsbala05.s3-website.us-east-2.amazonaws.com`

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

Index document [i](#)

`index.html`

Error document [i](#)

`error.html`

Redirection rules (optional) [i](#)

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

☒ Bucket hosting

Cancel Save

Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

[Learn more](#)

☐ Disabled

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

19:33 30-03-2020


S3 Management Console


403 Forbidden

← → ↺

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2&tab=permissions

☆ ● Paused

 **Services** ▾ **Resource Groups** ▾ ★

 Balakrishnan ▾ Global ▾ Support ▾

Block public access

Access Control List

Bucket Policy

CORS configuration

### Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets 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.

☐ **Block public access to buckets and objects granted through new access control lists (ACLs)**  
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ **Block public access to buckets and objects granted through any access control lists (ACLs)**  
S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through new public bucket or access point policies**  
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.


☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**  
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Cancel

Save

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

 Type here to search

19:35

30-03-2020

ENG

# 17.MAKING OBJECT IN THE BUCKET PUBLIC

S3 Management Console

403 Forbidden

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2&tab=permissions

Block public access

Access Control List

Bucket Policy

CORS configuration

### Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

✓ Public access settings updated successfully

**Block all public access** Edit

Off

- Block public access to buckets and objects granted through *new* access control lists (ACLs)  
Off
- Block public access to buckets and objects granted through *any* access control lists (ACLs)  
Off
- Block public access to buckets and objects granted through *new* public bucket or access point policies  
Off
- Block public and cross-account access to buckets and objects through *any* public bucket or access point policies  
Off

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

19:36 30-03-2020




S3 Management Console


403 Forbidden

← → ↺

s3.console.aws.amazon.com/s3/object/awsbala05/index.html?region=us-east-2&tab=overview

☆ ⛔ ⏸ Paused

 Services ▾ Resource Groups ▾ ⭐

 Balakrishnan ▾ Global ▾ Support ▾

Amazon S3 > awsbala05 > index.html

index.html Latest version ▾

Overview

Properties

Permissions

Select from

Success

Open

Download

Download as

Make public

Copy path

Owner

534e056f4e1e9cb00bb8977f6d2305093d010c0b1fea7218b93dc9d03bd77ae1

Last modified

Mar 30, 2020 7:10:41 PM GMT+0530

Etag

0e07ebd6395d50fe5b90603370665d97

Storage class

Standard

Operations

0 In progress

2 Success


0 Error

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

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Windows logo


Type here to search



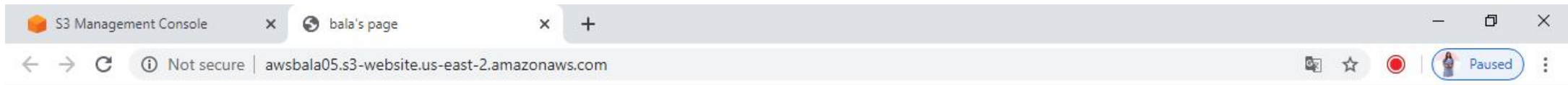
19:37

30-03-2020

ENG



## 18.CHECKING S3 LINK ON BROWSER



**Hi harini this is bala.We gonna get ethnus certificate.cheers!**



# 19.FACIAL COMPARISON

Browser tabs: Rekogn x, b97ea3 x, b97ea3 x, dhoni i x, Ms Dh x, 274-27 x, dhoni i x, ET Mahen x, MS Dh x, 908212 x, MS Dh x, +, -, , x


Address bar: us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-comparison

Navigation: Services, Resource Groups, Balakrishnan, Ohio, Support


Amazon Rekognition

- Custom Labels <sup>New</sup>
- Use Custom Labels
- Demos
  - Object and scene detection
  - Image moderation
  - Facial analysis
  - Celebrity recognition
  - Face comparison**
  - Text in image
- Video Demos
  - Video analysis
- Metrics

Reference face



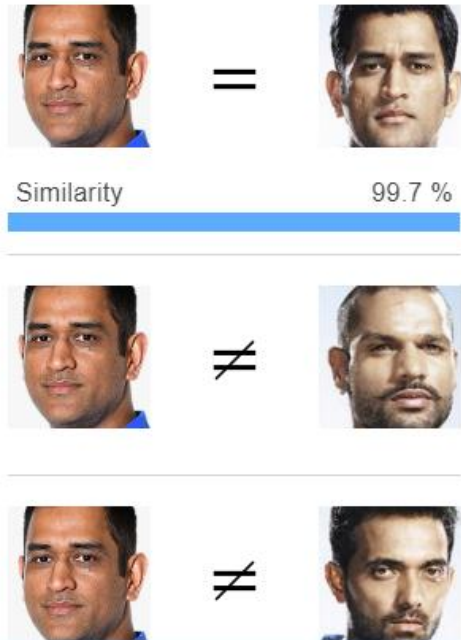
Comparison faces




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

Results

Similarity 99.7 %



Choose a sample image



Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

dhoni.png

Type here to search

14:01 31-03-2020

## 20.FACIAL ANALYSIS

Rekognition Console

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

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

Amazon Rekognition

- Custom Labels <sup>New</sup>
- Use Custom Labels
- Demos
  - Object and scene detection
  - Image moderation
  - Facial analysis**
  - Celebrity recognition
  - Face comparison
  - Text in image
- Video Demos
  - Video analysis
- Metrics

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

dhoni.png

Results

looks like a face	100 %
appears to be male	99.3 %
age range	32 - 48 years old
not smiling	84.2 %
appears to be calm	81.2 %
not wearing glasses	93.2 %

[Show more](#)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

14:04 31-03-2020



# 21.CELEBRITY RECOGNITION

Rekognition Console

b97ea33b5842c7894b804923c6c

b97ea33b5842c7894b804923c6c

+

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

☆

Paused

aws

Services

Resource Groups

Balakrishnan

Ohio

Support

Amazon Rekognition

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition


Face comparison

Text in image



Video Demos

Video analysis

Metrics



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


https://i.pinimg.com/originals/b9/7e/a3/b97e

Go

Done with the demo?


[Learn more](#)

Results




MS Dhoni

Match confidence98 %



Ajinkya Rahane

Match confidence100 %



Virat Kohli

Feedback

English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.


Privacy Policy

Terms of Use

dhoni.png

Show all

Type here to search



14:06  
31-03-2020

## 22.TEXT IN IMAGE

Rekognition Console

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

aws Services Resource Groups

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

Custom Labels <sup>New</sup>

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

**Text in image**

Video Demos

Video analysis

Metrics

Metrics

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

Results US English only

Star	Star	tar	Star			
Star	kStar	Star	IA	IN	IA	Star
DIA	NDIA	NDVA	INDIA	DIA	I	DIA

► Request

► Response

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

dhoni.png

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Show all

Type here to search

14:10  
31-03-2020



## 23.INSTALLING AWS SDK

index - Microsoft Word (Product Activation Failed)

File Home Insert Page Layout References Mailings Review View

Courier New 10.5 A A Aa

Find Replace Select

ec2-user@ip-172-31-7-172:/var/www/html/face

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-7-172 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...

Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar

[ec2-user@ip-172-31-7-172 ~]$ cd /var/www/html
[ec2-user@ip-172-31-7-172 html]$ cd face
[ec2-user@ip-172-31-7-172 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-7-172 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.133 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Generating autoload files
1 package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-7-172 face]$
```

tall php  
er.org/installer | php

1 ~/composer.phar require aws/aws-sdk-php

error -  
/zero of=/var/swap.1 bs=1M count=1024  
ar/swap.1  
ar/swap.1

https://1.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg  
sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg

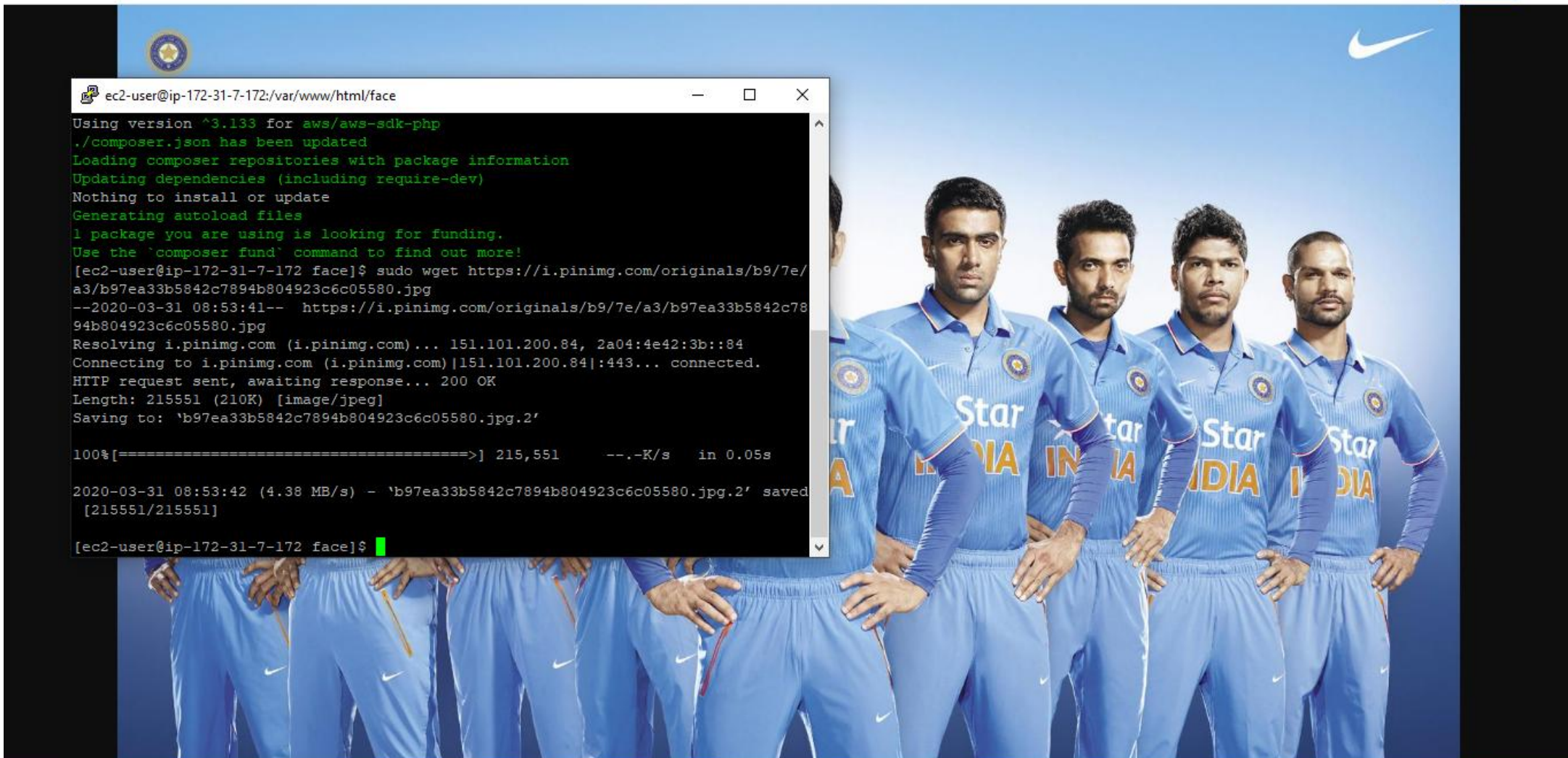
Incase if you are getting any class NOT found error, follow these steps

```
sudo yum remove php*
sudo yum remove httpd*
sudo yum clean all
sudo yum upgrade -y
```

Which file do I want to save?

Page: 1 of 2 Words: 7/230 English (India) Recovered

14:22 31-03-2020



Type here to search



14:23

31-03-2020





Instances | EC2 Management Console | b97ea33b5842c7894b804923c6c05580 | b97ea33b5842c7894b804923c6c05580 | +

← → ↻ i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg ☆ ⏸ Paused

The screenshot shows a web browser window with a terminal window open. The terminal window is titled 'ec2-user@ip-172-31-7-172:/var/www/html/face' and displays the following output:

```
Nothing to install or update
Generating autoload files
1 package you are using is looking for funding.
Use the 'composer fund' command to find out more!
[ec2-user@ip-172-31-7-172 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-31 08:53:41-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.200.84, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)[151.101.200.84]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg.2'

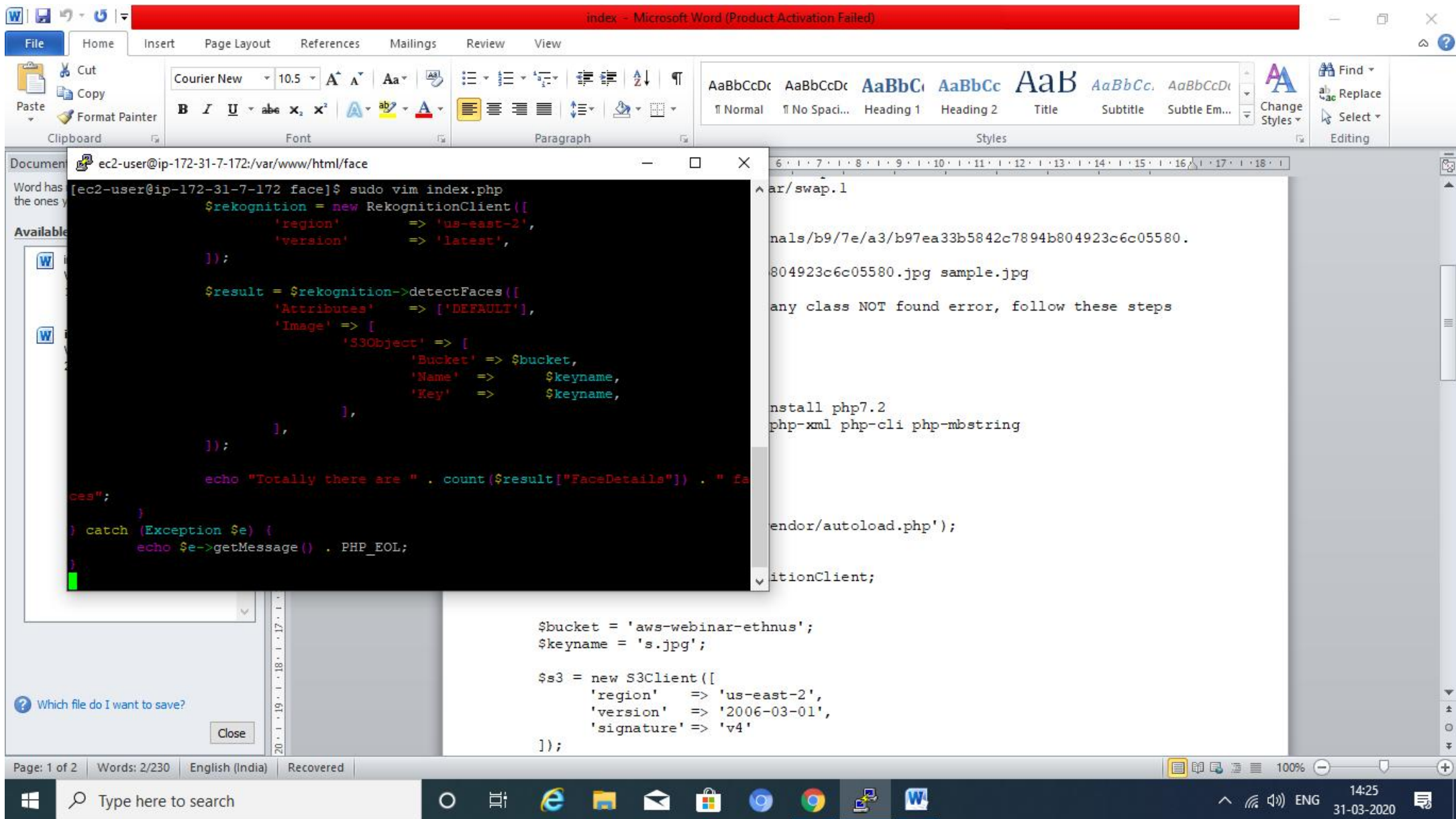
100%[=====>] 215,551 --.-K/s in 0.05s

2020-03-31 08:53:42 (4.38 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg.2' saved
[215551/215551]

[ec2-user@ip-172-31-7-172 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.json sample.jpg
b97ea33b5842c7894b804923c6c05580.jpg.1 composer.lock vendor
b97ea33b5842c7894b804923c6c05580.jpg.2 index.php
[ec2-user@ip-172-31-7-172 face]$
```

The background image of the page shows the Indian cricket team in their blue uniforms, standing in a row. The Nike logo is visible in the top right corner of the page. The browser's address bar shows the URL 'i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg'. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons including Edge, File Explorer, Mail, Shopping, and Word. The system clock in the bottom right corner displays '14:24' and '31-03-2020'.

## 24.INDEX.PHP FILE CODE



index - Microsoft Word (Product Activation Failed)

File Home Insert Page Layout References Mailings Review View

Cut Copy Paste Format Painter Clipboard Font Paragraph Styles

Find Replace Select Change Styles

ec2-user@ip-172-31-7-172:/var/www/html/face

```
[ec2-user@ip-172-31-7-172 face]$ sudo vim index.php
$rekognition = new RekognitionClient([
    'region' => 'us-east-2',
    'version' => 'latest',
]);

$result = $rekognition->detectFaces([
    'Attributes' => ['DEFAULT'],
    'Image' => [
        'S3Object' => [
            'Bucket' => $bucket,
            'Name' => $keyname,
            'Key' => $keyname,
        ],
    ],
]);

echo "Totally there are " . count($result["FaceDetails"]) . " faces";
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

$bucket = 'aws-webinar-ethnus';
$keyname = 's.jpg';

$s3 = new S3Client([
    'region' => 'us-east-2',
    'version' => '2006-03-01',
    'signature' => 'v4'
]);
```

ar/swap.1

nals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.

804923c6c05580.jpg sample.jpg

any class NOT found error, follow these steps

nstall php7.2

php-xml php-cli php-mbstring

endor/autoload.php');

itionClient;

Which file do I want to save?

Close

Page: 1 of 2 Words: 2/230 English (India) Recovered

Type here to search

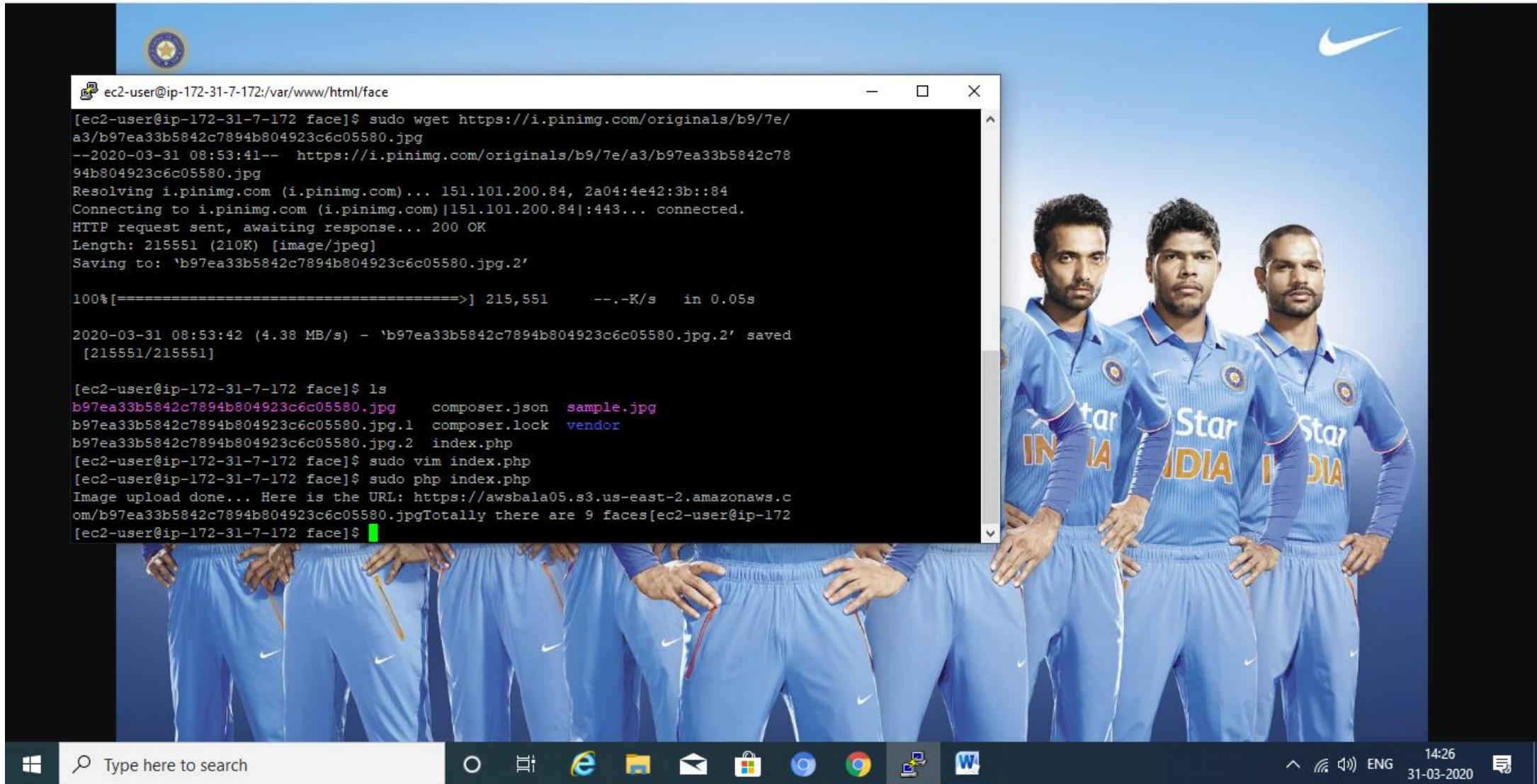
14:25 31-03-2020



## 25.EC2 & REKOGNITION

Instances | EC2 Management Console | b97ea33b5842c7894b804923c6c05580 | b97ea33b5842c7894b804923c6c05580 | +

← → ↻ i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg ☆ ⏸ Paused



The screenshot shows a terminal window titled 'ec2-user@ip-172-31-7-172:/var/www/html/face' with the following commands and output:

```
[ec2-user@ip-172-31-7-172 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-31 08:53:41-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.200.84, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com)[151.101.200.84]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg.2'

100%[=====] 215,551 --.-K/s in 0.05s

2020-03-31 08:53:42 (4.38 MB/s) - 'b97ea33b5842c7894b804923c6c05580.jpg.2' saved
[215551/215551]

[ec2-user@ip-172-31-7-172 face]$ ls
b97ea33b5842c7894b804923c6c05580.jpg composer.json sample.jpg
b97ea33b5842c7894b804923c6c05580.jpg.1 composer.lock vendor
b97ea33b5842c7894b804923c6c05580.jpg.2 index.php
[ec2-user@ip-172-31-7-172 face]$ sudo vim index.php
[ec2-user@ip-172-31-7-172 face]$ sudo php index.php
Image upload done... Here is the URL: https://awsbala05.s3.us-east-2.amazonaws.com/b97ea33b5842c7894b804923c6c05580.jpgTotally there are 9 faces[ec2-user@ip-172-31-7-172 face]$
```

The background image shows three Indian cricket players in blue jerseys with 'Star INDIA' and a Nike logo. The terminal window is overlaid on the left side of the image.

Windows taskbar: Type here to search | 14:26 31-03-2020

## 26.UPLOADED IMAGE IN BUCKET

S3 Management Console

s3.console.aws.amazon.com/s3/buckets/awsbala05/?region=us-east-2

aws

Services Resource Groups

Balakrishnan Global Support

Amazon S3 > awsbala05

awsbala05



Overview Properties Permissions Management Access points

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

Upload Create folder Download Actions

US East (Ohio)

Viewing 1 to 2

<input type="checkbox"/> Name	Last modified	Size	Storage class
<input type="checkbox"/>  b97ea33b5842c7894b804923c6c05580.jpg	Mar 31, 2020 1:39:17 PM GMT+0530	210.5 KB	Standard
<input type="checkbox"/>  index.html	Mar 30, 2020 7:10:41 PM GMT+0530	289.0 B	Standard

Viewing 1 to 2

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Type here to search

13:44 31-03-2020



