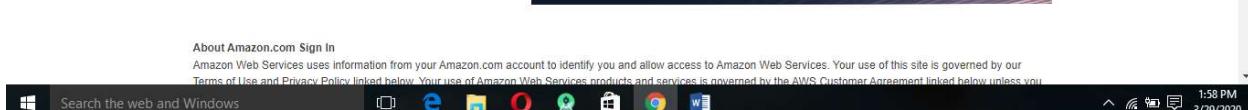


AWS Dashboard

The screenshot shows the AWS Sign-in page. On the left, there's a sidebar with the AWS logo and a "Sign in" section. It offers two options: "Root user" (selected) and "IAM user". Below this is a "Root user email address" input field containing "manjunagaraj1111@gmail.com". A "Next" button is at the bottom of this sidebar. To the right, a large banner for "aws RE:INFORCE" is displayed, stating "June 30 – July 1, 2020 • Houston, TX" and "Two days and hundreds of sessions focused on cloud security, identity, and compliance." with a "Register Now" button.



The screenshot shows the AWS Sign-in page. The main area is titled "Root user sign in" and contains fields for "Email" (with "manjunagaraj1111@gmail.com") and "Password" (a masked input). There are "Forgot password?" and "Sign in" buttons. Below these are links for "Sign in to a different account" and "Create a new AWS account". To the right, the same "aws RE:INFORCE" banner is shown.



Ec2 Dashboard

The screenshot shows the AWS EC2 Management Console dashboard. At the top, there's a blue header bar with the message: "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 let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle." Below this, the main interface has a sidebar on the left with sections for EC2 Dashboard, Instances, and Images. The main area displays resource counts: Running instances (1), Dedicated Hosts (0), Volumes (1), Key pairs (1), Placement groups (0), Elastic IPs (0), Snapshots (0), Load balancers (0), and Security groups (4). On the right, there are boxes for "Account attributes" (with a "Edit" button) and "Explore AWS" (with a "Feedback" link). A status bar at the bottom shows the date and time (3/29/2020, 2:00 PM).

S3 Dashboard

The screenshot shows the AWS S3 Management Console dashboard. At the top, there's a blue header bar with the message: "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." Below this, the main interface has a sidebar on the left with sections for Buckets, Block public access (account settings), and Feature spotlight. The main area displays a table titled "Buckets (1)". The table has columns for Name, Region, Access, and Bucket created. It shows one entry: "aws-webinar-ethnus1" located in "US East (Ohio) us-east-2" with "Objects can be public" access and created on "2020-03-28T07:04:11.000Z". A status bar at the bottom shows the date and time (3/29/2020, 2:01 PM).

Rekognition Dashboard

The screenshot shows the Amazon Rekognition console interface. At the top, there's a navigation bar with tabs for 'New Tab Search' and 'Rekognition Console'. Below the tabs, the URL is 'us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/'. The main header is 'Amazon Rekognition' with a sub-header 'Deep learning-based visual analysis service' and a tagline 'Search, verify, and organize millions of images and videos'. There are two prominent buttons: 'Try Demo' and 'Download SDKs'. On the left, a sidebar lists various services: 'Custom Labels' (with a 'New' badge), 'Use Custom Labels', 'Demos' (with 'Object and scene detection', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', and 'Text in image'), 'Video Demos' (with 'Video analysis'), and 'Metrics' (with 'Metrics'). The central area features three main sections: 'Easily Integrate Powerful Visual Analysis into Your App' (with an icon of stacked squares), 'Continuously Learning' (with an icon of a circuit board), and 'Integrated with AWS Services' (with an icon of puzzle pieces). At the bottom, there's a footer with links for 'Privacy Policy' and 'Terms of Use', along with copyright information ('© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.') and system status indicators.

Ec2 Snapshots

The screenshot shows the AWS Management Console homepage. At the top, there's a search bar with placeholder text "Example: Relational Database Service, database, RDS". Below it, a section titled "Find Services" allows users to enter names, keywords or acronyms. To the right, there's a "All services" button. In the center, there's a "Build a solution" section with three options: "Launch a virtual machine With EC2 2-3 minutes", "Build a web app With Elastic Beanstalk 6 minutes", and "Build using virtual servers With Lightsail 1-2 minutes". On the right side, there are two sections: "Access resources on the go" (describing the AWS Console Mobile App) and "Explore AWS" (mentioning Amazon EMR and Free Digital Training). The bottom of the screen shows the Windows taskbar with various pinned icons.

The screenshot shows the AWS Management Console Services menu. The left sidebar lists "History" and "Console Home". The main area displays a grid of service icons and names. A search bar at the top of the grid says "Find a service by name or feature (for example, EC2, S3 or VM, storage)". The services listed include:

Compute	Blockchain	Analytics	End User Computing
EC2	Amazon Managed Blockchain	Athena	WorkSpaces
Lightsail	Satellite	EMR	AppStream 2.0
Lambda	Ground Station	CloudSearch	WorkDocs
Batch		Elasticsearch Service	WorkLink
Elastic Beanstalk		Kinesis	
Serverless Application Repository		QuickSight	
AWS Outposts		Data Pipeline	
EC2 Image Builder	Quantum Technologies	AWS Data Exchange	
	Amazon Braket	AWS Glue	
		AWS Lake Formation	
		MSK	
Storage	Management & Governance	Security, Identity, & Compliance	Internet Of Things
S3	AWS Organizations	IAM	IoT Core
EFS	CloudWatch	Resource Access Manager	FreeRTOS
FSx	AWS Auto Scaling	CloudTrail	IoT 1-Click
S3 Glacier	CloudFormation	Config	IoT Analytics
Storage Gateway	CloudFront	OpsWorks	IoT Device Defender
AWS Backup	Config	Cognito	IoT Device Management

The bottom of the screen shows the Windows taskbar with various pinned icons.

The screenshot shows the AWS EC2 Management Console dashboard. On the left, there's a navigation menu with sections like Instances, Images, and Metrics. The main area has a 'Launch instance' section with a 'Launch Instance' button and a note about launching in the US East (Ohio) Region. Below it is a 'Scheduled events' section showing 'US East (Ohio)' with 'No scheduled events'. A sidebar on the right titled 'Explore AWS' contains links for saving costs with AMD EPYC-powered instances, launching third-party AMI products, and optimizing with Spot instances.

a. Choosing an AMI

The screenshot shows the 'Launch instance wizard' step 1: Choose AMI. It lists two AMIs: 'Amazon Linux 2 AMI (HVM), SSD Volume Type' and 'Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type'. Both are marked as 'Free tier eligible'. The 'Amazon Linux 2 AMI' is selected, indicated by a blue border around its row. A 'Select' button is visible next to the AMI details. The sidebar on the left shows 'Quick Start' options like My AMIs, AWS Marketplace, and Community AMIs.

The screenshot shows the top navigation bar of the AWS Management Console. It includes the AWS logo, a search bar with placeholder 'Search the web and Windows', and links for Feedback, English (US), Privacy Policy, Terms of Use, and account information (Sowmya N, Ohio, Support). The status bar at the bottom shows the date and time: 1:24 PM 3/27/2020.

b. Choosing an Instance Type

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

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Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1 Launch into Auto Scaling Group

Purchasing option: Request Spot Instances

Network: vpc-398c5952 (default) Create new VPC

Subnet: No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP: Use subnet setting (Enable)

Placement group: Add instance to placement group

Capacity Reservation: Open Create new Capacity Reservation

IAM role: None Create new IAM role

Shutdown behavior: Stop

Cancel Previous Review and Launch Next: Add Storage

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c. Adding Storage

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	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.

Feedback English (US)

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Search the web and Windows

1:29 PM 3/27/2020

Launch instance wizard | EC2 M... +

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

Sowmya N 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 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	(128 characters maximum)	Value	(256 characters maximum)	Instances	Volumes
Name	Webserver				

This resource currently has no tags.

Choose the Add tag button or [click to add a Name tag](#).
Make sure your IAM policy includes permissions to create tags.

Add Tag (Up to 50 tags maximum)

Feedback English (US)

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Search the web and Windows

1:31 PM 3/27/2020

Launch instance wizard | EC2 M... +

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

Sowmya N Ohio Support

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

d. Configuring security Group

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: launch-wizard-1
Description: launch-wizard-1 created 2020-03-27T13:30:56.864-04:00

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.

Feedback English (US) **Privacy Policy Terms of Use**
 Search the web and Windows 1:31 PM 3/27/2020

Launch instance wizard | EC2 M...

Services Resource Groups Sowmya N 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 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-1, 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 to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327
Free tier eligible 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

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Cancel Previous Launch

Feedback English (US) **Privacy Policy Terms of Use**
 Search the web and Windows 1:33 PM 3/27/2020

Launch instance wizard | EC2 M...

Services Resource Groups Sowmya N Ohio Support

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

e. Key pair Download

Please review your instance launch details. You can always change them later.

Step 7: Review Instance Launch

AMI Details

Amazon Linux 2 AMI (HVM), S

Free tier eligible

Amazon Linux 2 comes with five years of free software packages through extras.

Root Device Type: ebs Virtualization type: HVM

Instance Type

Instance Type	ECUs
t2.micro	Variable

Feedback English (US)

Search the web and Windows

Launch Status

Your instances are now launching

The following instance launches have been initiated: [i-085afb926fa94dff8](#) View launch log

Get notified of estimated charges

Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can [connect](#) to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- How to connect to your Linux instance
- Learn about AWS Free Usage Tier
- Amazon EC2: User Guide
- Amazon EC2: Discussion Forum

Launch Status

Your instances are now launching

The following instance launches have been initiated: [i-085afb926fa94dff8](#) View launch log

Get notified of estimated charges

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How to connect to your instances

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Here are some helpful resources to get you started

- How to connect to your Linux instance
- Learn about AWS Free Usage Tier
- Amazon EC2: User Guide
- Amazon EC2: Discussion Forum

The screenshot shows the AWS EC2 Management Console interface. On the left, there's a sidebar with sections for Instances (selected), Images, and other services like Events, Tags, Reports, and Limits. The main content area displays a table of instances. One instance is selected: **i-085afb926fa94dff8**, **t2.micro**, **us-east-2b**, **running**. Below the table, a detailed view for this specific instance is shown, including its Instance ID, Public DNS (IPv4), and IPv4 Public IP.

f. PuTTYgen conversion from pem to ppk

This screenshot shows a Windows desktop environment with a file explorer window open. The file explorer shows various download files in the Downloads folder. A secondary window titled "PuTTY Key Generator" is open, specifically the "Conversions" tab. A file dialog box is overlaid on the file explorer, asking to "Load private key". The file "aws-webinar-key.pem" is highlighted in the list of files.

Instances | EC2 Management Con... | putty download page for windows | +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2&instances=sort=instanceId

AWS Services Resource Groups

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

Feedback English (US)

Search the web and Windows

PUTTY Configuration

Category: Session

Basic options for your PuTTY session

Host Name (or IP address): 3.17.131.227 Port: 22

Connection type: Rlogin (radio button selected) SSH Serial Raw Telnet Rlogin SSH Serial

Load, save or delete a stored session

Saved Sessions

Default Settings Load Save Delete

Close window on exit: Always Never Only on clean exit

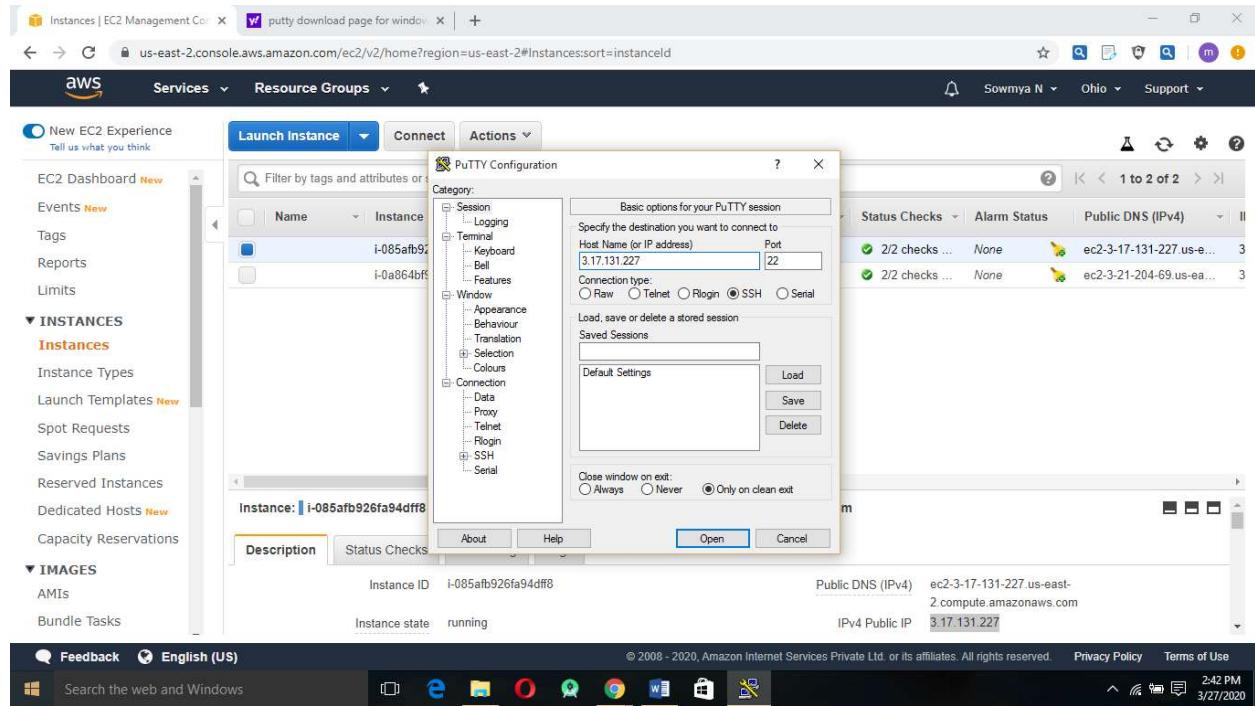
Description Status Checks

Instance ID: i-085afb926fa94dff8 Instance state: running

Public DNS (IPv4): ec2-3-17-131-227.us-east-2.compute.amazonaws.com IPv4 Public IP: 3.17.131.227

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2:42 PM 3/27/2020



File Home Share View Application Tools Downloads

Clipboard Organize

Pin to Quick access Copy Paste Copy path Move to Copy to Delete Rename

New item New folder New Open Properties Select all Easy access History Invert selection

Downloads

This PC Desktop Documents Downloads Local Disk (C:) New Volume (D:) Local Disk (E:) Local Disk (F:) Network Homegroup

Quick access OneDrive jdk-8u191-windows-x64 (1).exe.mk9qg93 jdk-8u191-windows-x64 (2) jdk-8u191-windows-x64 jdk-8u191-windows-x64.exe.tp8i4az jdk-11.0.1-windows-x64_bin mysql-installer-web-community-8.0.13.0 NDP472-KB4054531-Web nitro_pro12 (1) nitro_pro12 nitro_pro13_ba_x64 OperaSetup p (1) p poorsowm.ppk program 4 trace putty-0.73-installer putty-64bit-0.73-installer puttygen Ramya cv setup_023678942 setup_175359212 vlc-3.0.6-win64xampp-windows-x64-7.3.8-2-VC15-instal...

31 items 1 item selected 680 KB

Search the web and Windows

PuTTY Key Generator

Save private key as: This PC > Downloads

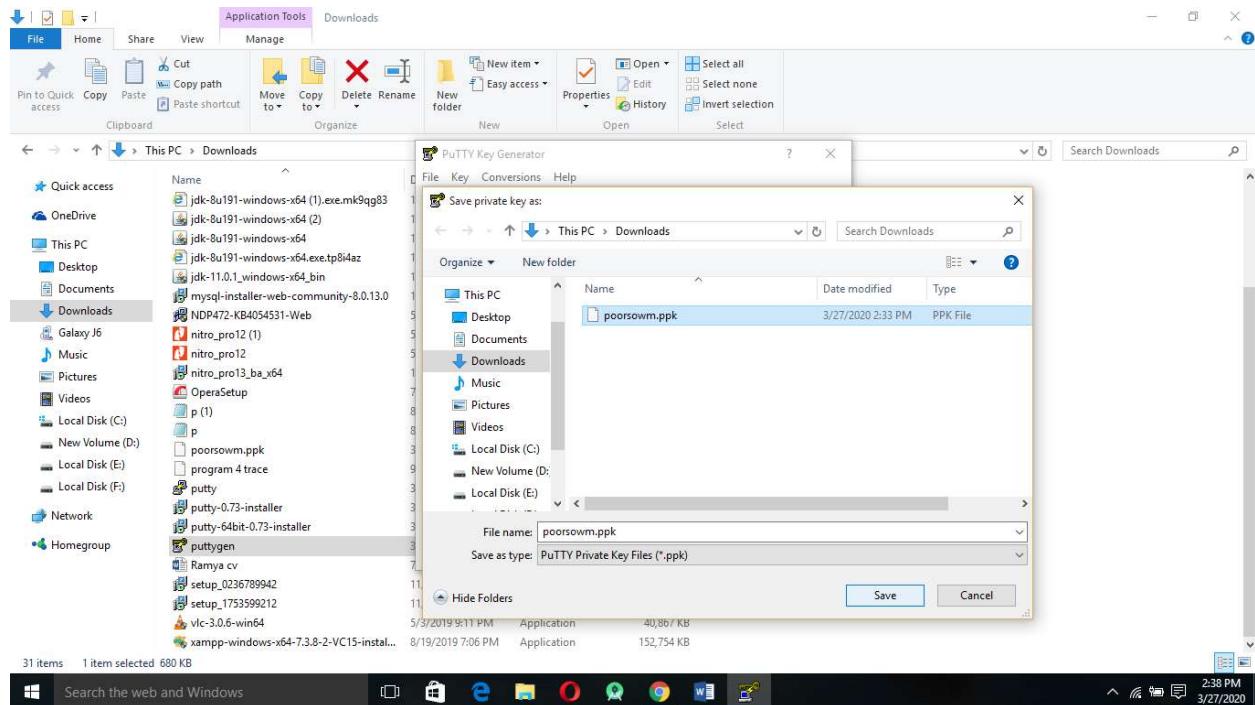
Organize New folder

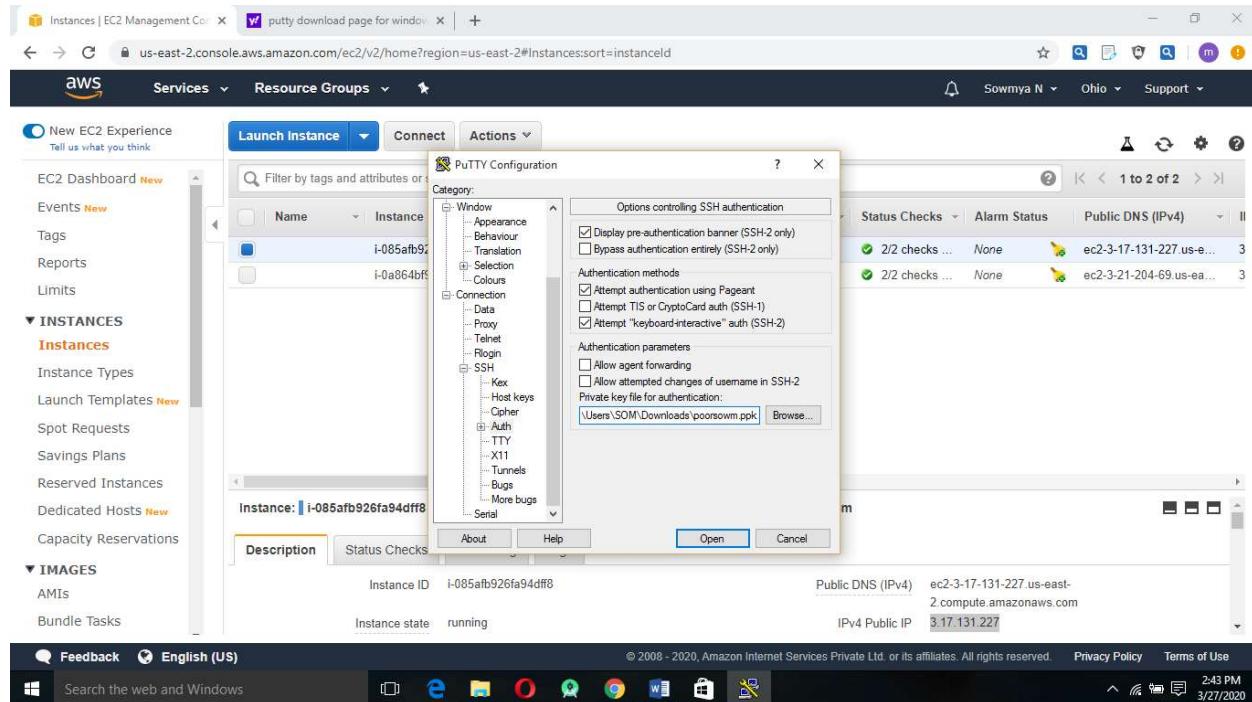
Date modified Type

File name: poorsowm.ppk Save as type: PuTTY Private Key Files (*.ppk)

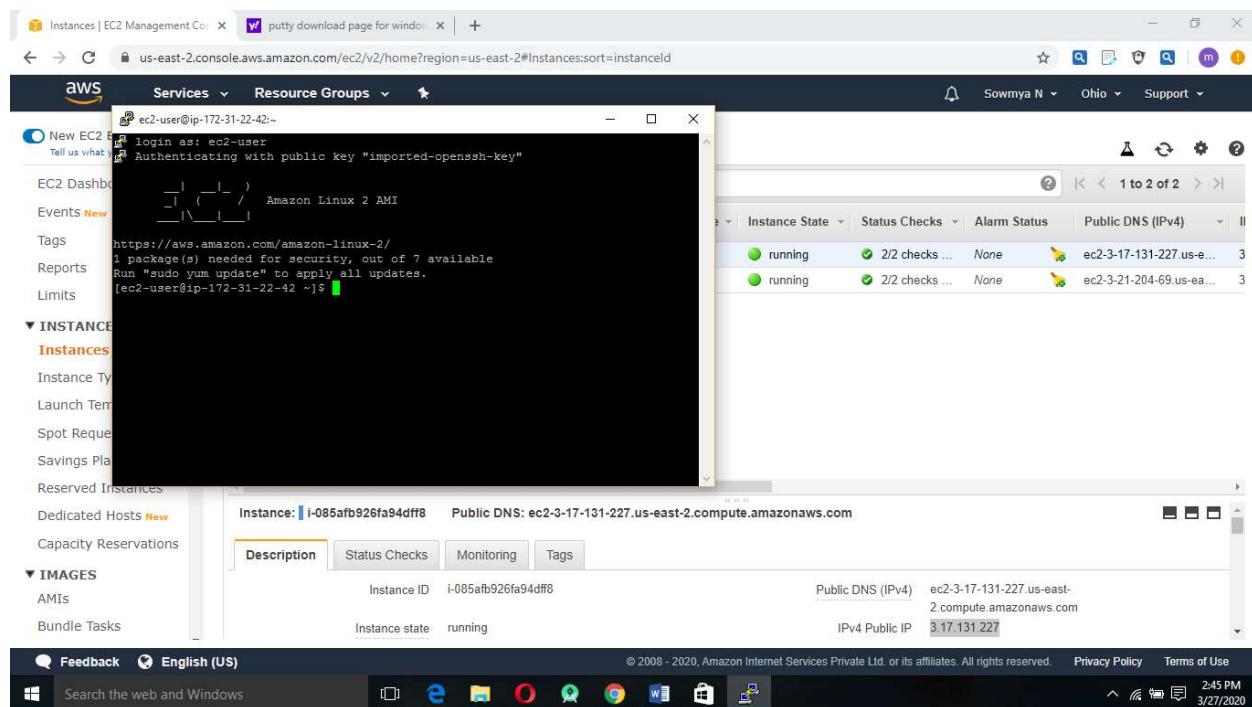
Save Cancel

2:38 PM 3/27/2020





g. Logged in EC2 Black Screen



S3 Snapshots

The screenshot shows two browser windows side-by-side. The left window displays the AWS EC2 Management Console with the 'Instances' section open. It lists two terminated t2.micro instances in the us-east-2b availability zone. The right window shows the main AWS Services menu, which includes categories like Compute, Storage, Analytics, and Internet Of Things.

AWS EC2 Management Console (Left Window):

- Instances (2 terminated)
- EC2 Dashboard
- Events
- Tags
- Reports
- Limits
- INSTANCES

 - Instances (selected)
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations

- IMAGES

 - AMIs
 - Bundle Tasks

AWS Services Menu (Right Window):

- History
- 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
- Blockchain
 - Amazon Managed Blockchain
- Satellite
 - Ground Station
- Quantum Technologies
 - Amazon Braket
- Management & Governance
 - AWS Organizations
 - CloudWatch
 - AWS Auto Scaling
 - CloudFormation
 - CloudTrail
 - Config
 - OpsWorks
- Analytics
 - Athena
 - EMR
 - CloudSearch
 - Elasticsearch Service
 - Kinesis
 - QuickSight
 - Data Pipeline
 - AWS Data Exchange
 - AWS Glue
 - AWS Lake Formation
 - MSK
- 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

a. Creating a bucket

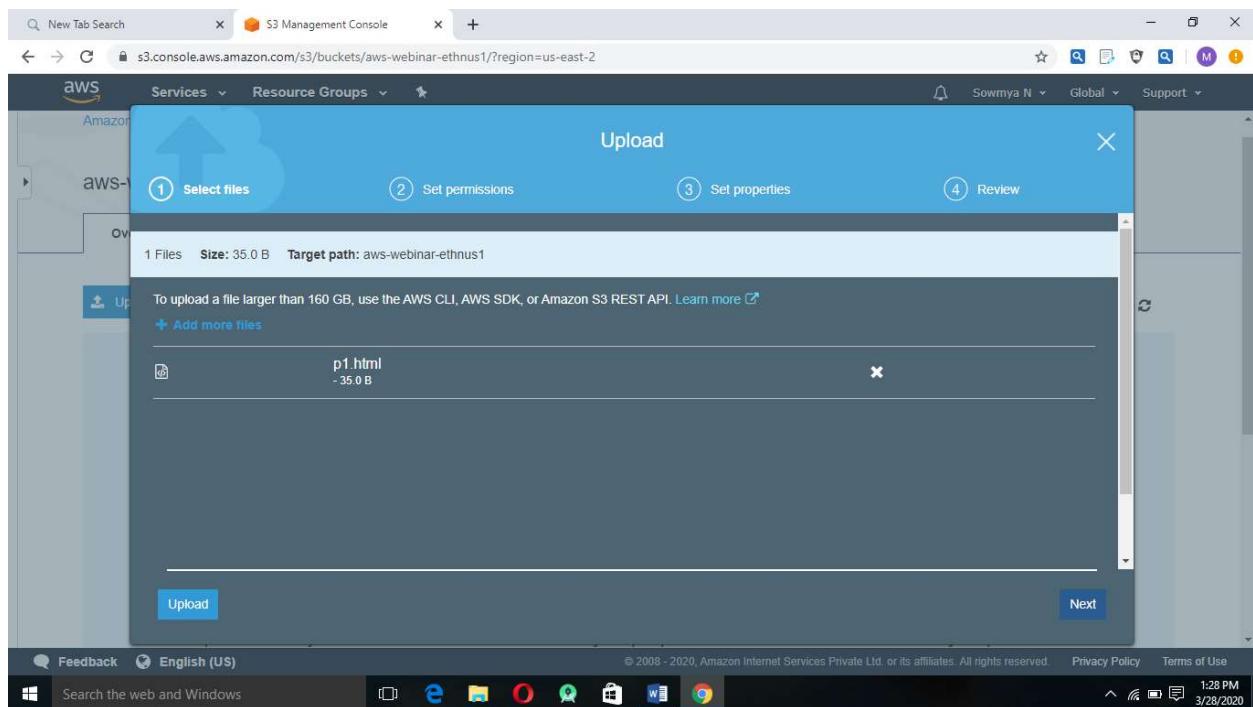
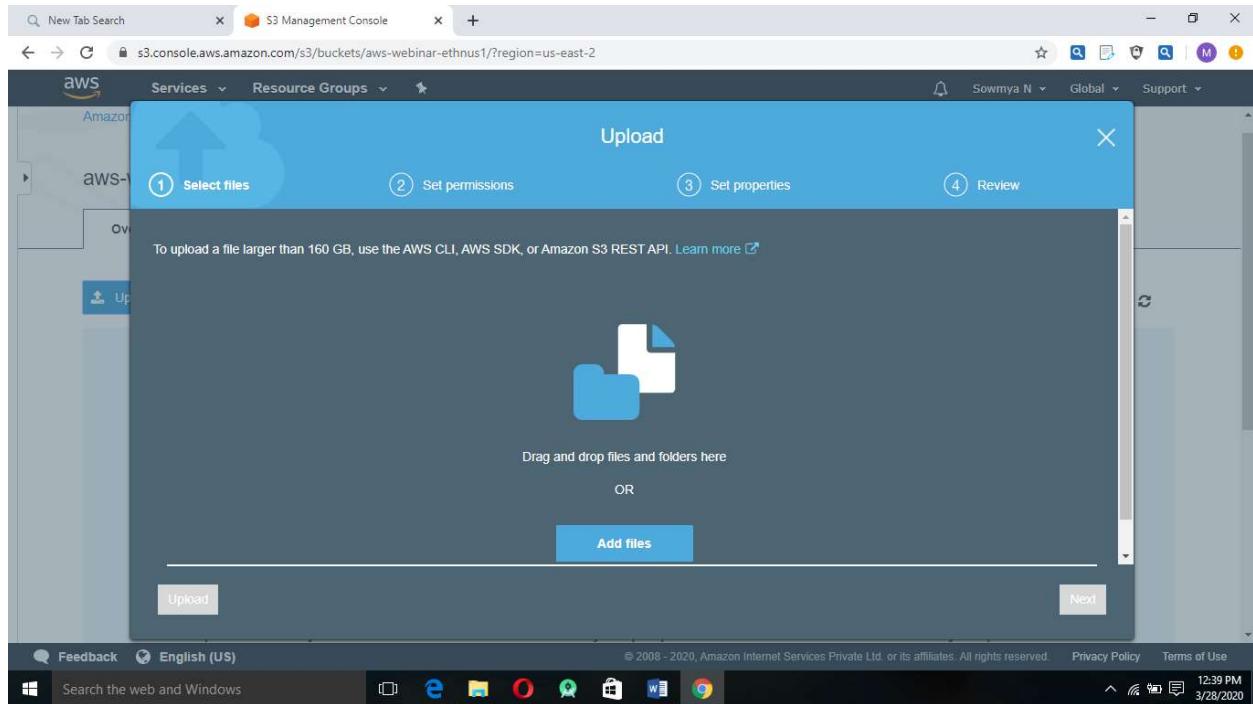
The screenshot shows the AWS S3 Management Console. On the left, there's a sidebar with options like 'Buckets', 'Batch operations', and 'Access analyzer for S3'. The main area is titled 'Amazon S3' and shows a message: 'We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.' Below this, there's a table titled 'Buckets (0)' with columns 'Name', 'Region', 'Access', and 'Bucket created'. A large orange button at the top right says 'Create bucket'.

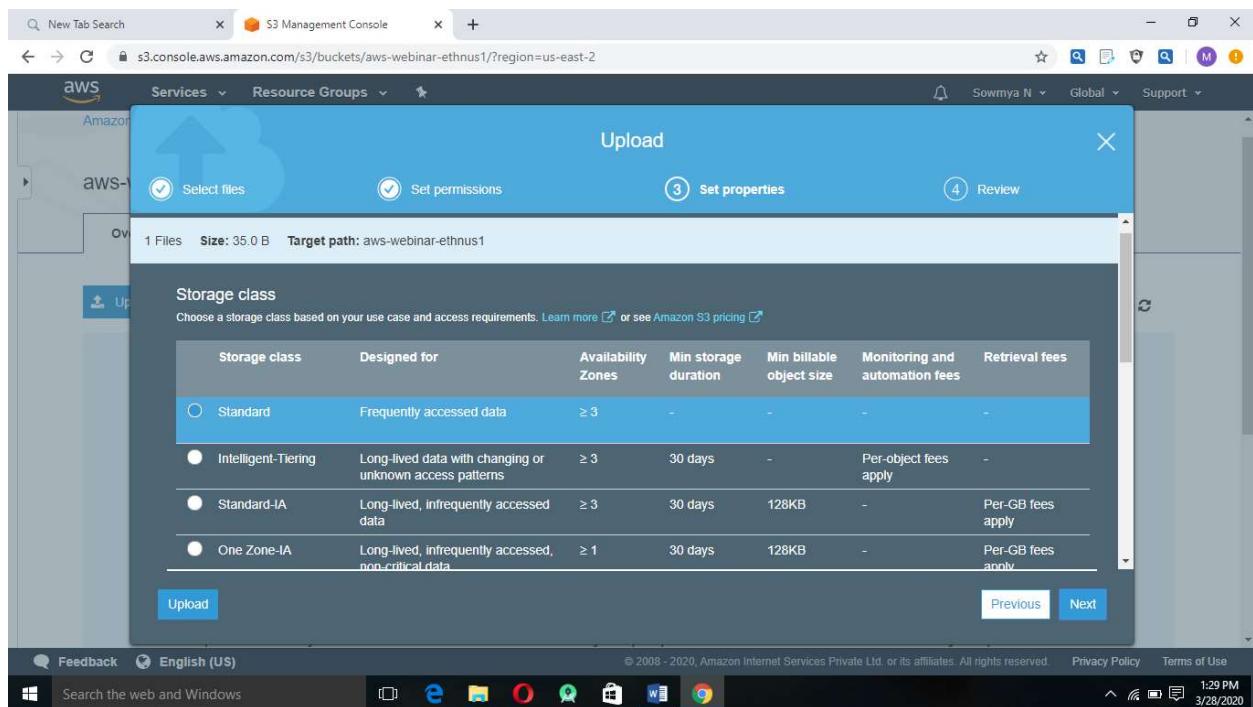
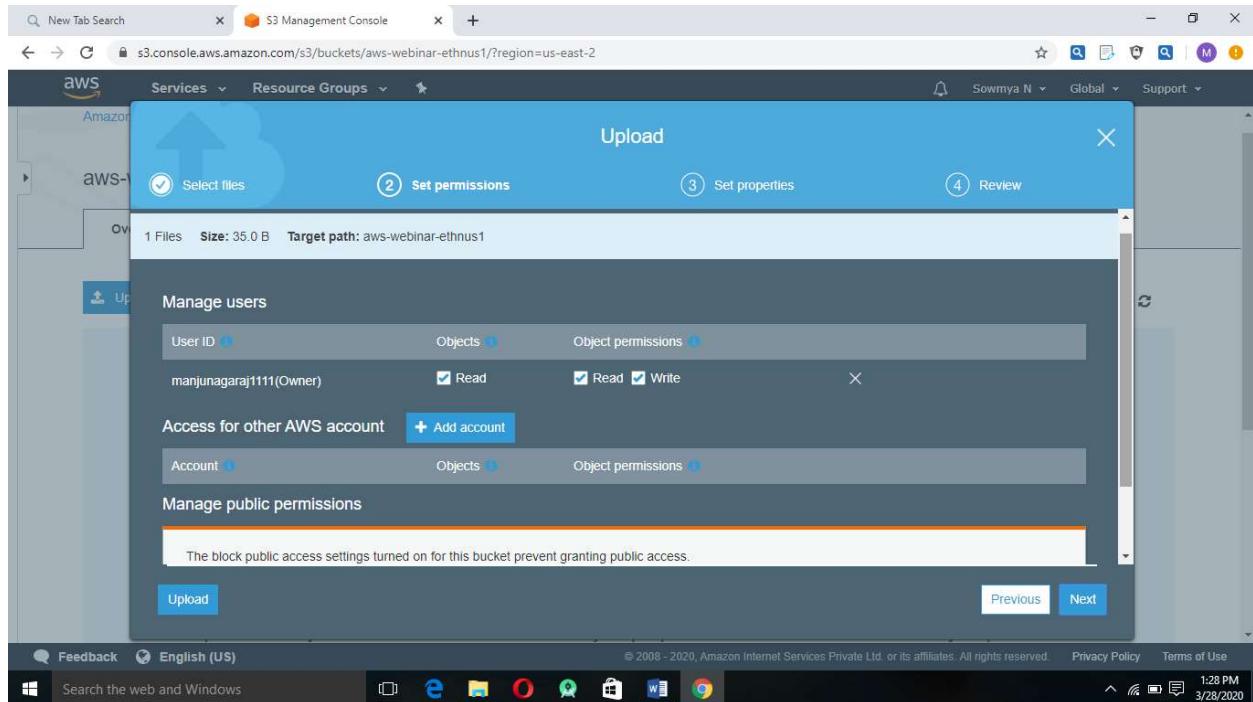
This screenshot shows the 'Create bucket' configuration page. At the top, it says 'Amazon S3 > Create bucket'. The first section is 'General configuration' with fields for 'Bucket name' (containing 'aws-webinar-ethnus1') and 'Region' (set to 'US East (Ohio) us-east-2'). Below this is a section titled 'Bucket settings for Block Public Access' with a detailed description of public access controls.

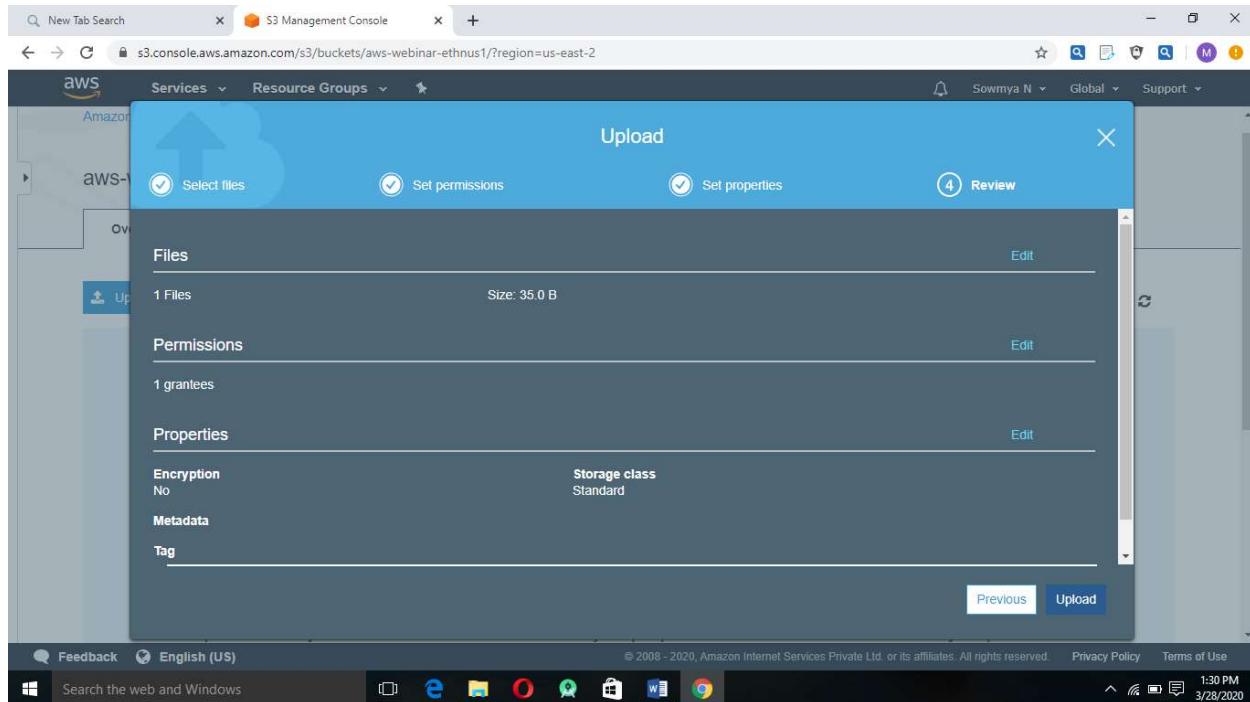
The screenshot shows the AWS S3 Management Console. In the top right corner, there is a message: "We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates." Below this, a green notification bar says "Successfully created bucket aws-webinar-ethnus1". It includes a link "Go to bucket details" and a "X" button. On the left sidebar, under the "Buckets" section, there is a link "Access analyzer for S3". At the bottom of the sidebar, it says "Feature spotlight" with a blue circular icon containing a question mark. The main content area shows a table titled "Buckets (1)". The table has columns: Name, Region, Access, and Bucket created. There is one row for "aws-webinar-ethnus1" with the "Bucket created" date as "2020-03-28T07:04:11.000Z".

b. Uploading an object

The screenshot shows the AWS S3 bucket overview page for "aws-webinar-ethnus1". The top navigation bar shows the bucket name. The main content area has tabs: Overview (selected), Properties, Permissions, Management, and Access points. Below these tabs are buttons for Upload, Create folder, Download, and Actions. A status message says "US East (Ohio)". The central area displays the message "This bucket is empty. Upload new objects to get started." Below this message are three icons: a bucket icon labeled "Upload an object", a person icon labeled "Set object properties", and a database icon labeled "Set object permissions". The bottom navigation bar includes links for Feedback, English (US), Privacy Policy, Terms of Use, and a search bar.







The screenshot shows the AWS S3 Management Console on the 'Properties' tab for the bucket 'aws-webinar-ethnus1'. The bucket details are as follows:

- Region**: US East (Ohio)
- Viewing**: Viewing 1 to 1
- File List**:

Name	Last modified	Size	Storage class
p1.html	Mar 28, 2020 4:01:22 AM GMT-0400	35.0 B	Standard

At the bottom, the status bar shows: Operations 0 In progress 1 Success 0 Error.

S3 Management Console

aws-webinar-ethnus1

Overview Properties Permissions Management Access points

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

Upload Create folder Download Actions

Name Last modified

p1.html Mar 28, 2020 4:01:22 AM 0400

p1.html

Download Copy path Select from

Latest version

Overview Key p1.html
Size 35.0 B
Expiration date N/A
Expiration rule N/A
ETag 13b81b59380c5d014d509a407acaee68
Last modified Mar 28, 2020 4:01:22 AM GMT-0400
Object URL https://aws-webinar-ethnus1.s3.us-east-2.amazonaws.com/p1.html

Properties Storage class Standard
Encryption None
Metadata 1
Tags 0 Tags

Operations 0 In progress 1 Success 0 Error

Feedback English (US) 1:36 PM 3/28/2020

S3 Management Console

s3.console.aws.amazon.com/s3/object/aws-webinar-ethnus1/p1.html?region=us-east-2

Open Download Download as Make public Copy path

Owner
8316d5b03327bc9dd3113840ec9e49519d95721356366c776061043ce0be0ff8

Last modified
Mar 28, 2020 4:01:22 AM GMT-0400

Etag
13b81b59380c5d014d509a407acaee68

Storage class
Standard

Server-side encryption
None

Size
35.0 B

Key
p1.html

Object URL
https://aws-webinar-ethnus1.s3.us-east-2.amazonaws.com/p1.html

Operations 0 In progress 1 Success 0 Error

Feedback English (US) 1:38 PM 3/28/2020

c. Enabling Static Public

The screenshot shows the AWS S3 Management Console with the URL <https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-ethnus1/?region=us-east-2&tab=properties>. The top navigation bar includes tabs for 'New Tab Search', 'S3 Management Console', 'p1.html', and '+'. The main content area has a dark header with 'aws' and 'Services' dropdowns, and a user profile for 'Sowmya N'. Below this, there are two sections: 'Static website hosting' and 'Object-level logging'.

Static website hosting

- Endpoint : <http://aws-webinar-ethnus1.s3-website.us-east-2.amazonaws.com>
- Use this bucket to host a website [Learn more](#)
- Redirect requests [Learn more](#)
- Disable website hosting

Disabled

[Cancel](#) [Save](#)

Object-level logging

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

[Learn more](#)

Disabled

The screenshot shows the AWS S3 Management Console with the URL <https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-ethnus1/?region=us-east-2&tab=properties>. The left pane displays the 'Static website hosting' configuration for the 'aws-webinar-ethnus1' bucket. It includes fields for 'Index document' (set to 'p1.html') and 'Error document' (set to 'error.html'). Below these are sections for 'Redirection rules (optional)' and additional options like 'Redirect requests' and 'Disable website hosting'. The right pane shows the 'Object-level logging' feature, which is currently disabled. The top navigation bar includes links for 'Services', 'Resource Groups', and user profile information ('Sowmya N', 'Global', 'Support'). The bottom navigation bar is identical to the one at the top of the page.



403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 9B8EC60B7E3275A
- HostId: +3uYipIHR0Rlq962OfljRwdHvl0dkj/l4urtZJTnuEAAoXVlssXADb5oSmphXRBKCda/JEM2gs=



d. Making the Object as Public

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	On	Edit
– Block public access to buckets and objects granted through <i>new</i> access control lists (ACLs)	On	
– Block public access to buckets and objects granted through <i>any</i> access control lists (ACLs)	On	
– Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies	On	
– Block public and cross-account access to buckets and objects through <i>any</i> public bucket or access point policies	On	



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](#)

Feedback English (US)

Search the web and Windows

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2:24 PM 3/28/2020

New Tab Search S3 Management Console 403 Forbidden p1.html

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.

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.

Edit block public access (bucket settings)

Updating the block public access (bucket settings) will affect this bucket and all objects within. This may result in some objects becoming public.

To confirm the settings, type **confirm** in the field.

confirm

[Cancel](#) [Confirm](#)

Feedback English (US)

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2:25 PM 3/28/2020

The screenshot shows a browser window with four tabs: 'New Tab Search', 'S3 Management Console', '403 Forbidden', and 'p1.html'. The 'S3 Management Console' tab is active, displaying the 'Block public access (bucket settings)' page. A success message box is visible, stating 'Public access settings updated successfully'. Below it, the 'Block all public access' section is set to 'Off'. Underneath, there are four nested sections: 'Block public access to buckets and objects granted through new access control lists (ACLs)', 'Block public access to buckets and objects granted through any access control lists (ACLs)', 'Block public access to buckets and objects granted through new public bucket or access point policies', and 'Block public and cross-account access to buckets and objects through any public bucket or access point policies'. Each of these nested sections is also set to 'Off'. The bottom of the screen shows the Windows taskbar with various pinned icons.

e. Checking the S3 link on the browser

The screenshot shows a browser window with four tabs: 'New Tab Search', 'S3 Management Console', '403 Forbidden', and 'p1.html'. The 'S3 Management Console' tab is active, displaying the 'Object Overview' page for the file 'p1.html'. The object details are as follows:

- Owner: 8316d5b03327bc9dd3113840ec9e49519d95721356366c776061043ce0be0ff8
- Last modified: Mar 28, 2020 4:01:22 AM GMT-0400
- Etag: 13b61b59380c5d014d509a407acaee68
- Storage class: Standard
- Server-side encryption: None
- Size: 35.0 B
- Key: p1.html
- Object URL: <https://aws-webinar-ethnus1.s3.us-east-2.amazonaws.com/p1.html>

The bottom of the screen shows the Windows taskbar with various pinned icons.



Hello Hi, Sowmya N from CBIT,Kolar



Rekognition Snapshots

a. Face Detect

Attribute	Confidence Score (%)
looks like a face	99.9 %
appears to be female	99.9 %
age range	17 - 29 years old
smiling	91.7 %
appears to be happy	99.5 %
wearing glasses	99.8 %

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

Results

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

Facial analysis

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

Choose a sample image

Use your own image

Upload or drag and drop

Feedback English (US)

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Search the web and Windows

5:28 PM 3/29/2020

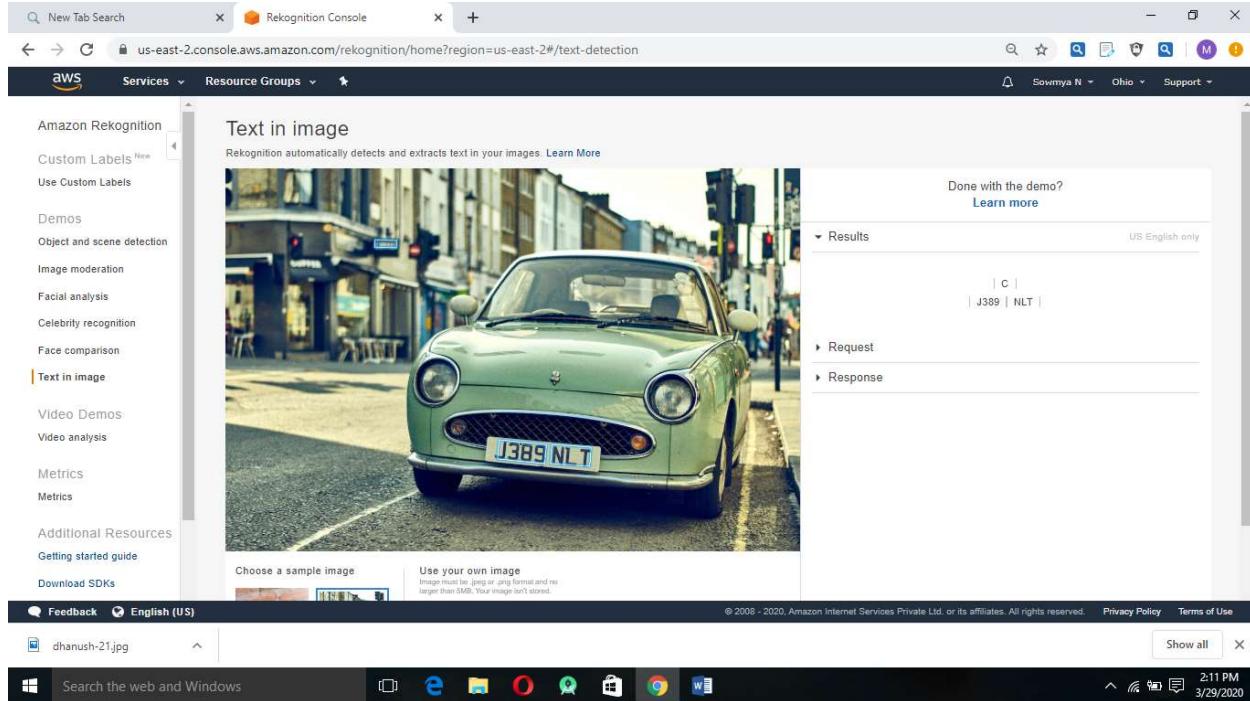
b. Celebrity Recognition

The screenshot shows the 'Celebrity recognition' demo page. On the left sidebar, under 'Demos', 'Celebrity recognition' is selected. The main area displays a portrait of a man in a tuxedo with a bow tie. A white rectangular box highlights his face, indicating it's being analyzed. To the right, a results panel shows a small thumbnail of the same man with the name 'Dhanush' and a 'Learn More' link. Below this, a section titled 'Match confidence' shows '100 %'. At the bottom of the results panel are sections for 'Request' and 'Response'.

c. Face Compare

The screenshot shows the 'Face comparison' demo page. On the left sidebar, under 'Demos', 'Face comparison' is selected. In the center, there are two sections: 'Reference face' (a single girl smiling) and 'Comparison faces' (a group of three girls). Below these are buttons for 'Choose a sample image'. To the right, a results panel shows a comparison between the reference face and each of the three comparison faces. Each comparison is indicated by a symbol: an equals sign for the first comparison (99.8 % similarity), a not-equals sign for the second, and another not-equals sign for the third. The results panel also includes a 'Similarity' bar and a 'Learn more' link.

d. Text in image



The screenshot shows the AWS Rekognition console with the 'Text in image' demo selected. A green car is displayed on a city street. The license plate 'J389 NLT' is highlighted with a bounding box. The results panel shows the detected text 'J389 NLT' with a confidence score of 100%.

EC2 AND S3

a. Installing aws-sdk

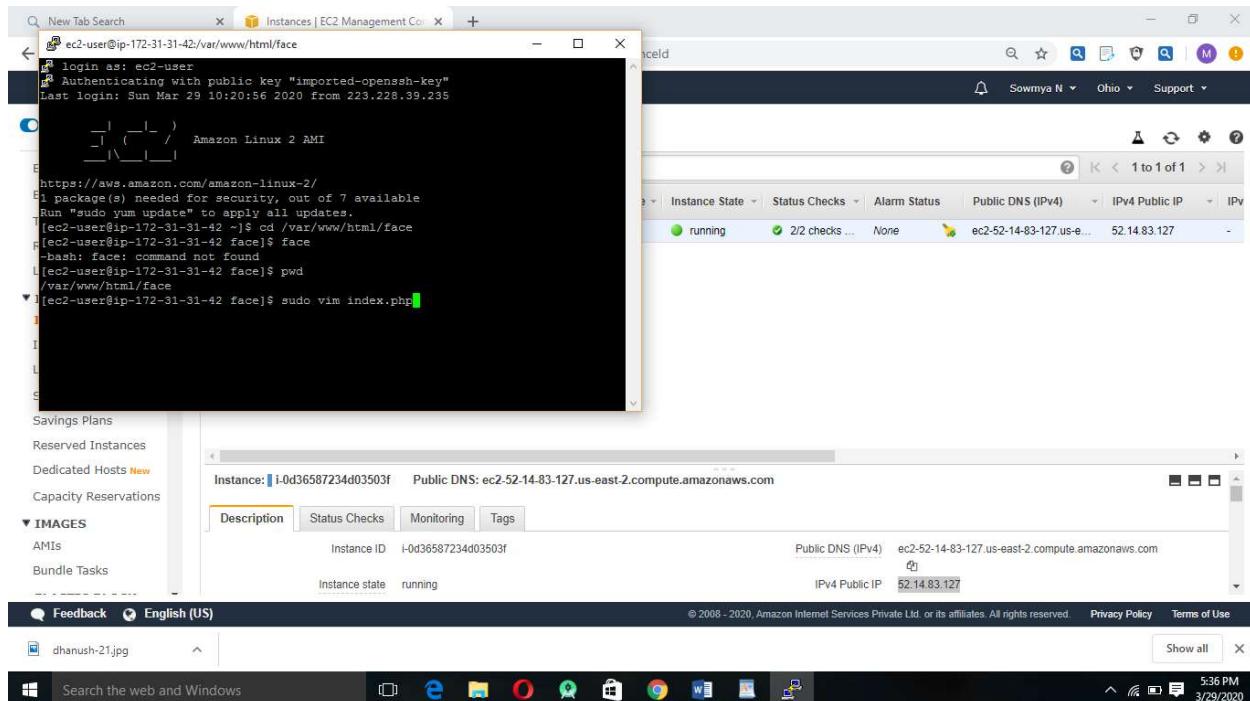
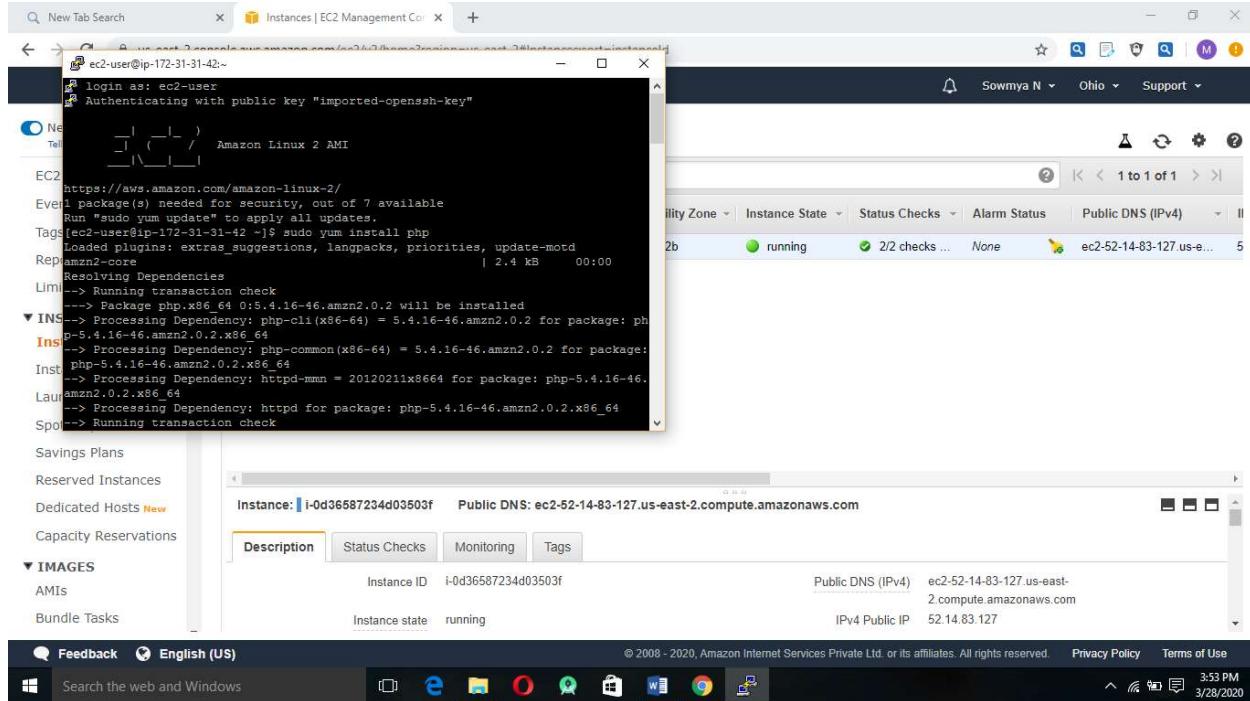
```
ec2-user@ip-172-31-31-42:~/var/www/html/face
mkswap: /var/swap.1: insecure permissions 0644, 0600 suggested.
Setting up swapspace version 1, size = 1024 MiB (1073737728 bytes)
no label, UUID=ddec076-8132-4b60-9d07-2f3dfec76d5f
[ec2-user@ip-172-31-31-42 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-31-42 face]$ sudo php -d memory_limit=-1 ~/composer.phar req
uire 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 c
aching, rrdcached and xcache caching, and xredisio caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HT
TP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write man
ifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/gu
zle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-31-42 face]$ sudo wget http://www.sarkarinaukrsearch.in/wp-content/uploads/2019/01/indian-cricketteam-imag.jpg
--2020-03-28 11:14:35-- http://www.sarkarinaukrsearch.in/wp-content/uploads/2019/01/indian-cricketteam-imag.jpg
Resolving www.sarkarinaukrsearch.in (www.sarkarinaukrsearch.in) ... 104.26.0.66, 104.26.1.66, 2606:4700:20::681a:142, ...
Connecting to www.sarkarinaukrsearch.in (www.sarkarinaukrsearch.in) 104.26.0.66:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 292516 (286K) [image/jpeg]
Saving to: 'indian-cricketteam-imag.jpg'

100%[=====] 292,516 --.-K/s in 0.1s

2020-03-28 11:14:35 (2.89 MB/s) - 'indian-cricketteam-imag.jpg' saved [292516/292516]

[ec2-user@ip-172-31-31-42 face]$
```

b. Installing php



c. Index.php file code

```
ec2-user@ip-172-31-31-42:/var/www/html/face
$7php

```
Install php - sudo yum install php
curl -sS https://getcomposer.org/installer | php
cd /var/www/html
sudo chmod face
cd face
sudo php -d memory_limit=-1 ./composer.phar require aws/aws-sdk-php

In case if you get memory error -
 sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
 sudo /sbin/mkswap /var/swap.1
 sudo /sbin/swapon /var/swap.1

sudo wget https://i.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
sudo snapcraft-linux-extras install php7.3
sudo yum install php7.3-common php7.3-mysql php7.3-mcrypt
sudo yum install libxml2

$/
error_reporting(0);

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

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

$bucket = 'aws-webinar-ethnus1';
$keyname = 's.jpg';

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

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

 // Print the URL to the object.
 $imageUrl = $result['ObjectURL'];
 if($imageUrl) {
 echo "Image upload done.. Here is the URL: " . $imageUrl;
 }
}

$rekognition = new RekognitionClient([
 'region' => 'us-east-2',
 'version' => 'latest',
]);
```
31,1 Top
5:37 PM
3/29/2020
```

```
ec2-user@ip-172-31-31-42:/var/www/html/face
$bucket = 'aws-webinar-ethnus1';
$keyname = 's.jpg';

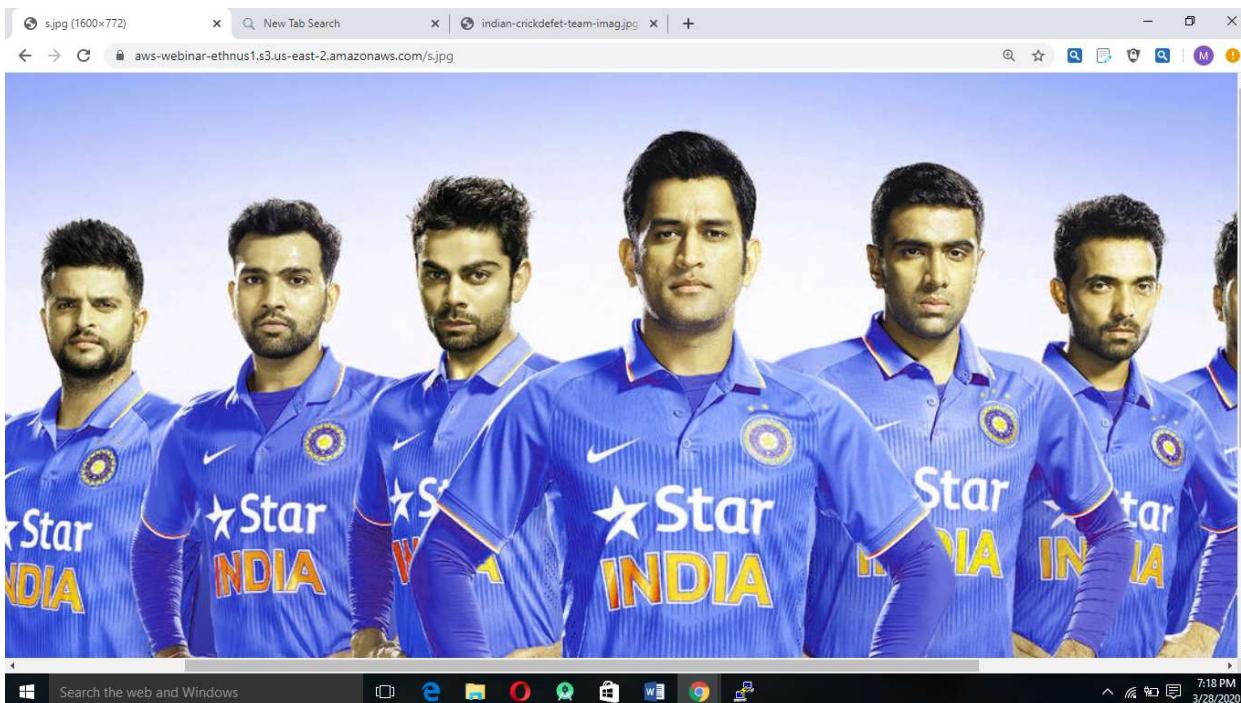
$s3 = new S3Client([
    'region'      => 'us-east-2',
    'version'     => '2006-03-01',
    'signature'   => 'v4'
]);

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

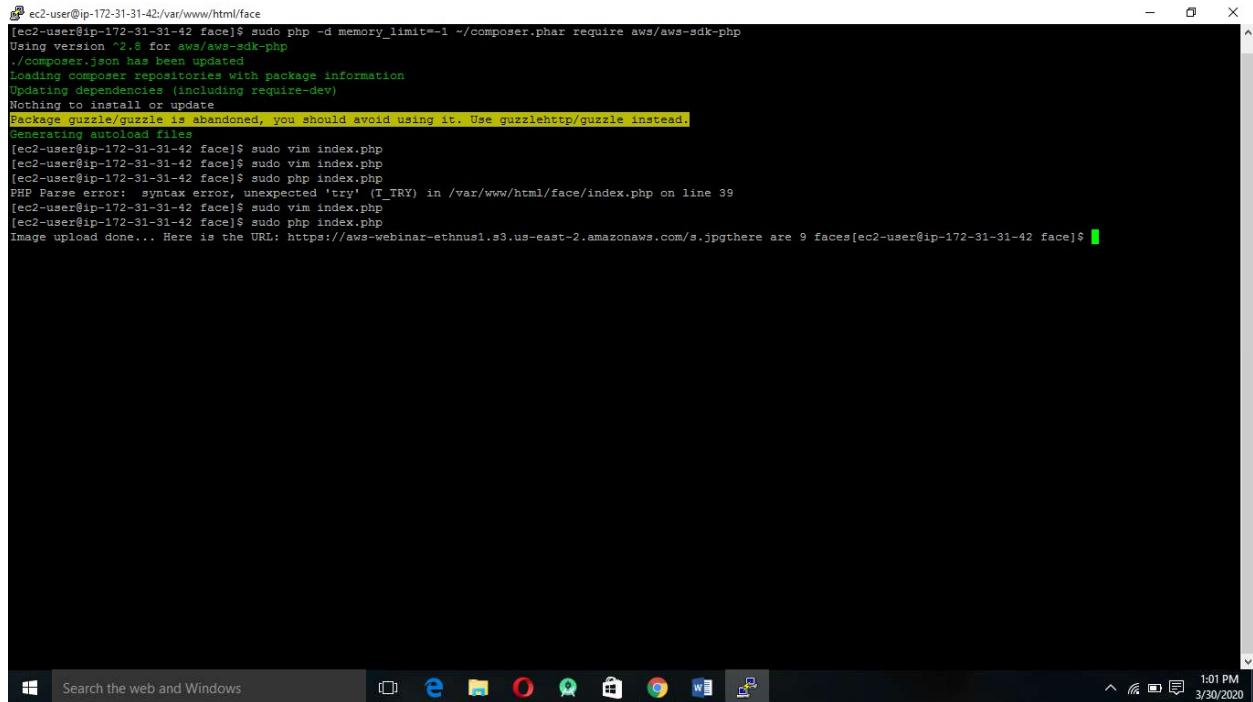
    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done.. Here is the URL: " . $imageUrl;
    }
}

$rekognition = new RekognitionClient([
    'region'      => 'us-east-2',
    'version'     => 'latest',
]);
```
75,1-8 88%
5:38 PM
3/29/2020
```

**d. Upload success screenshot**



## Face detection using putty



```
ec2-user@ip-172-31-31-42:~/var/www/html/face
[ec2-user@ip-172-31-31-42 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 updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Generating autoload files
[ec2-user@ip-172-31-31-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-31-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-31-42 face]$ sudo php index.php
PHP Parse error: syntax error, unexpected 'try' (T_TRY) in /var/www/html/face/index.php on line 39
[ec2-user@ip-172-31-31-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-31-42 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-webinar-ethnus1.s3.us-east-2.amazonaws.com/s.jpg there are 9 faces[ec2-user@ip-172-31-31-42 face]$
```