

Screenshot of the AWS Management Console homepage:

AWS services

- Find Services**: You can enter names, keywords or acronyms. Example: Relational Database Service, database, RDS
- Recently visited services**:
 - Amazon Rekognition
 - EC2
 - Support
 - S3
 - IAM
- All services**

Build a solution: Get started with simple wizards and automated workflows.

Launch a virtual machine	Build a web app	Build using virtual servers
With EC2 2-3 minutes	With Elastic Beanstalk 6 minutes	With Lightsail 1-2 minutes

Access resources on the go: Access the Management Console using the AWS Console Mobile App. Learn more

Explore AWS

- Amazon Redshift**: Fast, simple, cost-effective data warehouse that can extend queries to your data lake. Learn more
- Run Serverless Containers with AWS Fargate**: AWS Fargate runs and scales your containers without having to manage servers or clusters. Learn more
- Scalable, Durable, Secure Backup & Restore with Amazon S3**: Discover how customers are building backup & restore solutions on AWS that save money. Learn more
- AWS Marketplace**: Find, buy, and deploy popular software products that run on AWS. Learn more

EC2 Management Console

EC2 Dashboard

- New EC2 Experience
- Events New
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- Reports
- Limits
- INSTANCES**
 - Instances
 - Instance Types
 - Launch Templates New
 - Launch Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts New
 - Capacity Reservations
- IMAGES**
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE**
 - Volumes
 - Snapshots
 - Lifecycle Manager
- NETWORK & SECURITY**

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

Running instances	1	Elastic IPs	0	Dedicated Hosts	0
Snapshots	0	Volumes	1	Load balancers	-
Key pairs	-	Security groups	4	Placement groups	0

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

Scheduled events

Service health: Service Health Dashboard

Availability Zone status

Zone	Status
us-east-2a (use2-az1)	Availability Zone is operating normally
us-east-2b (use2-az2)	Availability Zone is operating normally

Account attributes

- Supported platforms
- Default VPC
- Console experiments
- Settings

Explore AWS

- Save with AMD EPYC-Powered EC2 instances
- Easily launch third-party AMI products
- Optimize your EC2 cost and performance with Spot Instances

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Screenshot of the AWS EC2 Management Console showing a single instance named "aws-webmin" running in us-east-2a. The instance has a Public DNS (IPv4) of ec2-18-220-113-174.us-east-2.compute.amazonaws.com and a Private DNS of ip-172-31-14-36.us-east-2.compute.internal.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
aws-webmin	i-05c9e4631e0dfcb21	t2.micro	us-east-2a	running	2/2 checks ...	None	ec2-18-220-113-174.us... 18.220.113.174	-	-	aws-webmin

Screenshot of the AWS S3 Management Console showing a single bucket named "aws-webmin-karthikeyan" located in US East (Ohio) us-east-2. The bucket was created on 2020-03-30T05:59:01.000Z.

Name	Region	Access	Bucket created
aws-webmin-karthikeyan	US East (Ohio) us-east-2	Objects can be public	2020-03-30T05:59:01.000Z

The screenshot shows the Amazon Rekognition console. On the left, a sidebar lists various options: Custom Labels (new), 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), Additional Resources (Getting started guide, Download SDKs, Developer resources, Pricing). The main content area features a large network graph background. It includes a 'Try Demo' button and a 'Download SDKs' link. Below these are three icons: a stack of documents labeled 'Easily Integrate Powerful Visual Analysis into Your App', a gear labeled 'Continuously Learning', and another gear labeled 'Integrated with AWS Services'. A footer bar at the bottom contains links for Feedback, English (US), Privacy Policy, Terms of Use, and a date stamp (21 PM 31-Mar-20).

The screenshot shows the EC2 Management Console. The top navigation bar includes Feedback, English (US), Privacy Policy, Terms of Use, and a date stamp (21 PM 31-Mar-20). The main content area displays a wizard titled 'Step 1: Choose an Amazon Machine Image (AMI)'. The steps are: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, 7. Review. Step 1 is highlighted. A search bar at the top says 'Search for an AMI by entering a search term e.g. "Windows"'. The results list several AMIs under the 'Quick Start' section:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-0320f374ab66a26e (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
 64-bit (x86)
 64-bit (Arm)
Select
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd0f24c7a8
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)
- Red Hat Enterprise Linux 8 (HVM), SSD Volume Type** - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f (64-bit Arm)
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
 64-bit (x86)
 64-bit (Arm)
Select
- SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type** - ami-0f5f5ab51cc148025 (64-bit x86) / ami-02a73007018012171 (64-bit Arm)

The screenshot shows the EC2 Management Console with the results of the 'Step 1' wizard. The top navigation bar includes Feedback, English (US), Privacy Policy, Terms of Use, and a date stamp (11:48 AM 29-Mar-20). The main content area shows the selected AMI: 'Amazon Linux 2 AMI (HVM), SSD Volume Type' (ami-0e01ce4ee18447327). It also shows the instance type 't2.micro', storage '16 GiB SSD', and a public IP address '54.237.111.121'. The status is 'Pending'.

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
General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	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-2bf62340 (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

Stop - Hibernate behavior: Enable hibernation as an additional stop behavior

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring Additional charges apply.

Cancel Previous Review and Launch Next: Add Storage

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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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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
<i>This resource currently has no tags</i>					

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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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.

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.

AMI Details

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, Gilc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Root Device Type: ebs Virtualization type: hvm

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

Security Groups

Security group name:
Description:

Review and Launch

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EC2 Management Console x

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

AWS Services Resource Groups ★

Karthikeyan R 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

Free tier eligible extras Root Device Type: ebs Virtualization type: hvm

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

Security Groups

Security group name: launch-wizard-1
Description: launch-wizard-1 created 2020-03-29T11:53:19.395+05:30

Type (i)	Protocol (i)	Port Range (i)	Source (i)	Description (i)
SSH	TCP	22	0.0.0.0/0	

Instance Details

Storage

Tags

Cancel Previous Launch

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EC2 Management Console x

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

AWS Services Resource Groups ★

Karthikeyan R 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

Free tier eligible extras Root Device Type: ebs Virtualization type: hvm

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	Variable	1

Security Groups

Security group name: launch-wizard-1
Description: launch-wizard-1 created 2020-03-29T11:53:19.395+05:30

Type (i)	Protocol (i)	Port Range (i)	Source (i)	Description (i)
SSH	TCP	22	0.0.0.0/0	

Select an existing key pair or create a new key pair

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

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

Choose an existing key pair
Select a key pair
No key pairs found

No key pairs found
You don't have any key pairs. Please create a new key pair by selecting the Create a new key pair option above to continue.

Cancel Launch Instances

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EC2 Management Console

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

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

Free tier eligible extras Root Device Type: ebs Virtualization type: hvm

Instance Type: t2.micro ECUs: Variable vCPUs: 1

Security Groups: launch-wizard-1 (launch-wizard-1 created 2020-03-29)

Type: SSH Protocol: TCP

Instance Details, Storage, Tags

Select an existing key pair or create a new key pair

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

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

Create a new key pair Key pair name: aws-webminar-key Download Key Pair

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

Cancel Launch Instances

Edit instance type, Edit security groups, Edit instance details, Edit storage, Edit tags

Cancel Previous Launch

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

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

Free tier eligible extras Root Device Type: ebs Virtualization type: hvm

Instance Type: t2.micro ECUs: Variable vCPUs: 1

Security Groups: launch-wizard-1 (launch-wizard-1 created 2020-03-29)

Type: SSH Protocol: TCP

Instance Details, Storage

Select an existing key pair or create a new key pair

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

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

Create a new key pair Key pair name: aws-webminar-key Download Key Pair

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

Cancel Launch Instances

Edit instance type, Edit security groups, Edit instance details, Edit storage

Cancel Previous Launch

aws-webminar-key.pem

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Launch Status

Your instances are now launching
The following instance launches have been initiated: i-04dc33b3e493c5b2 [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
- Amazon EC2: User Guide
- Learn about AWS Free Usage Tier
- Amazon EC2: Discussion Forum

While your instances are launching you can also

- Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
- Create and attach additional EBS volumes (Additional charges may apply)

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Launch Instance Connect Actions

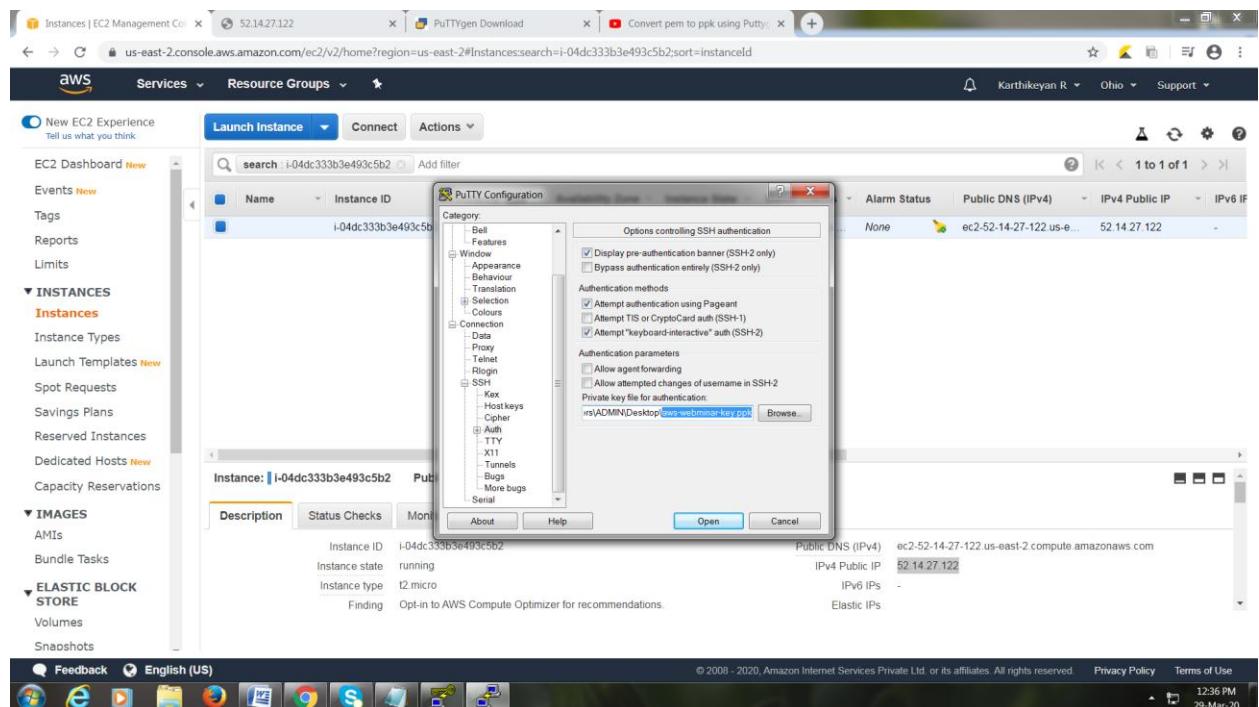
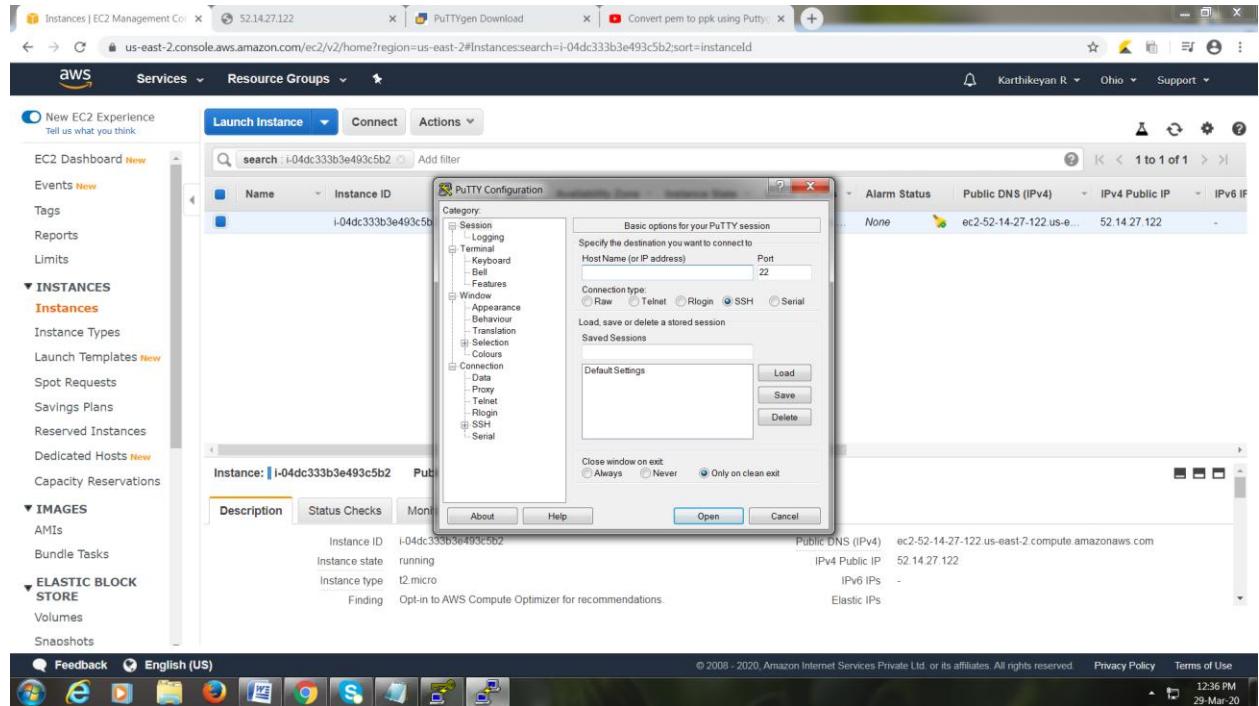
search: i-04dc33b3e493c5b2 Add filter

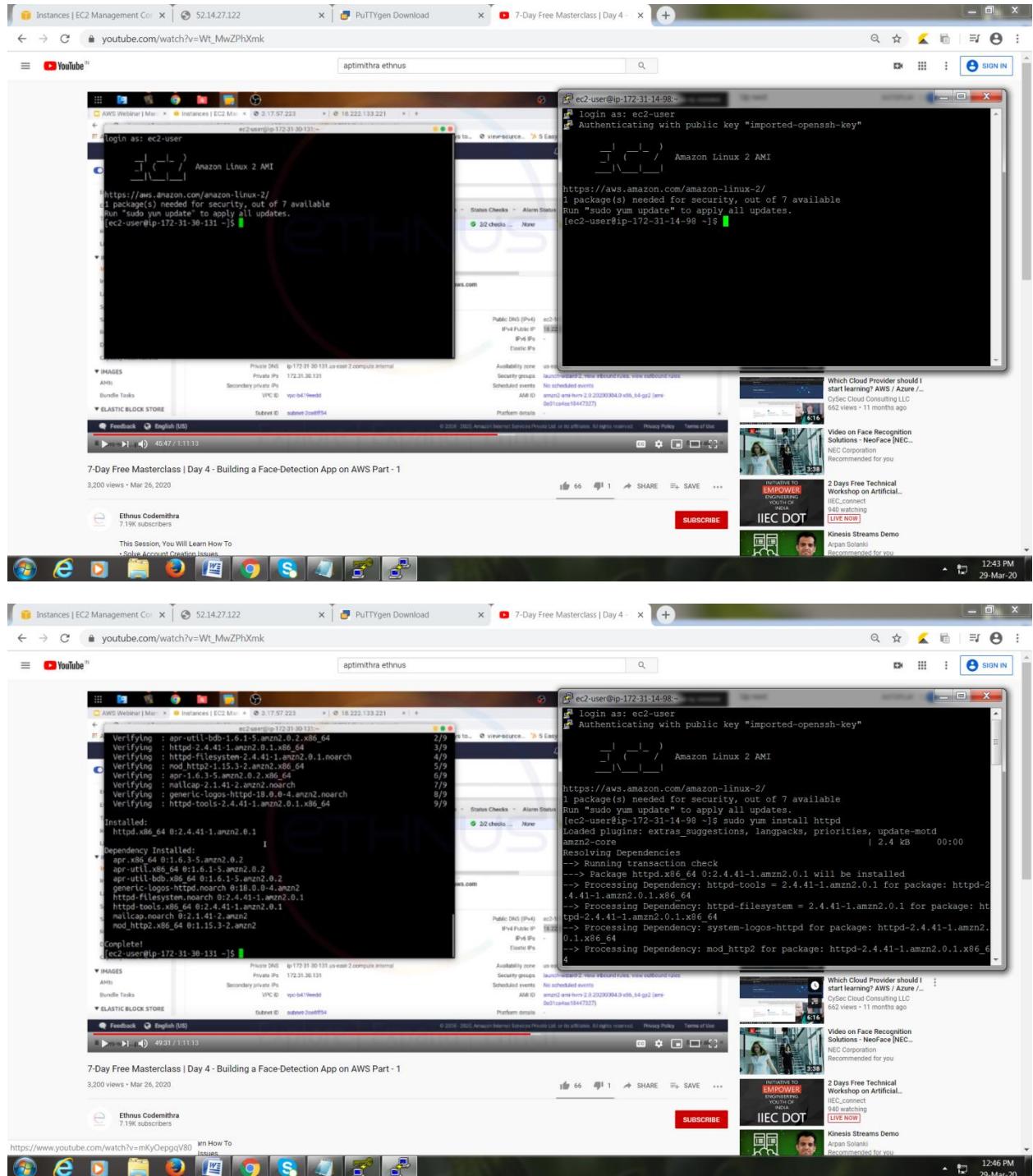
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IP
	i-04dc33b3e493c5b2	t2.micro	us-east-2a	running	Initializing	None	ec2-52-14-27-122.us-east-2.compute.amazonaws.com	52.14.27.122	-

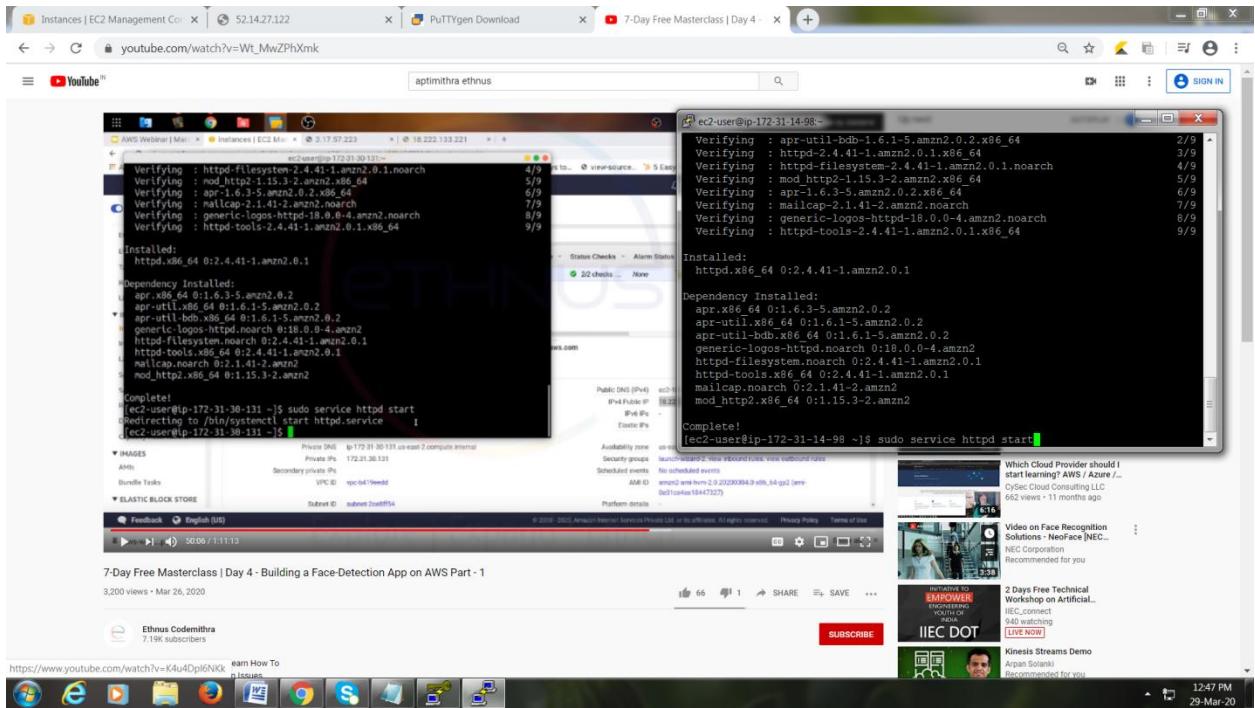
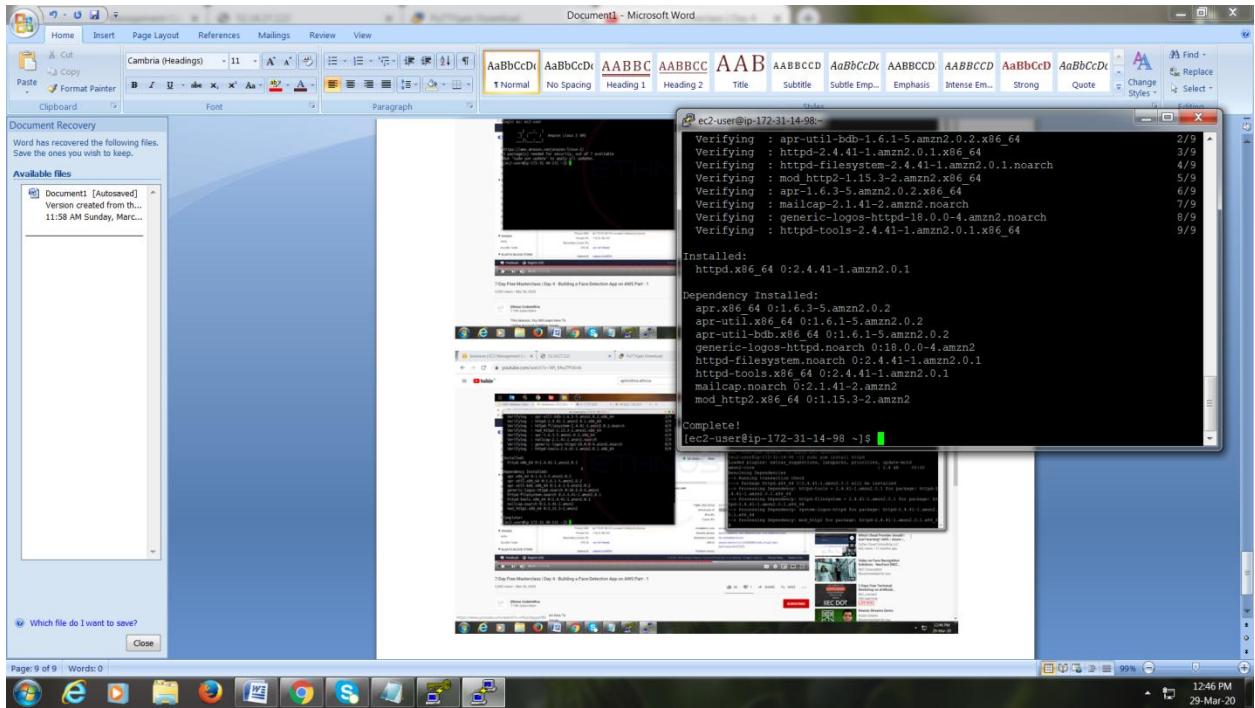
Instance: i-04dc33b3e493c5b2 Public DNS: ec2-52-14-27-122.us-east-2.compute.amazonaws.com

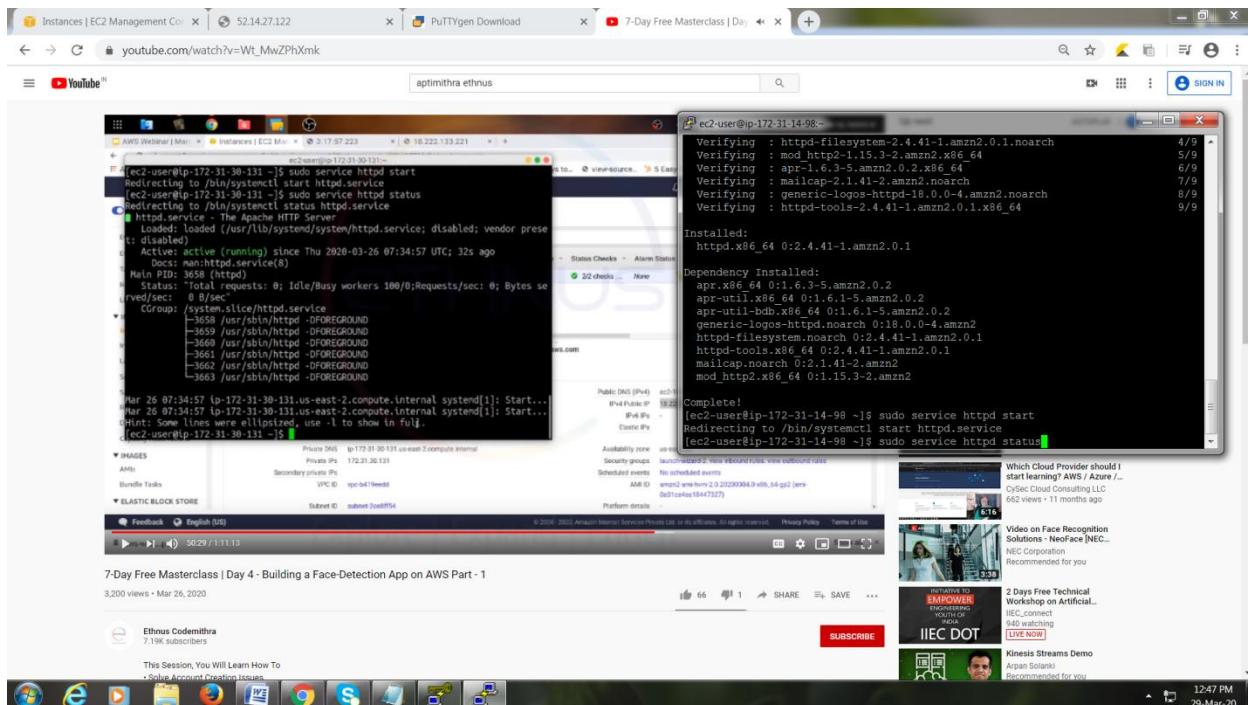
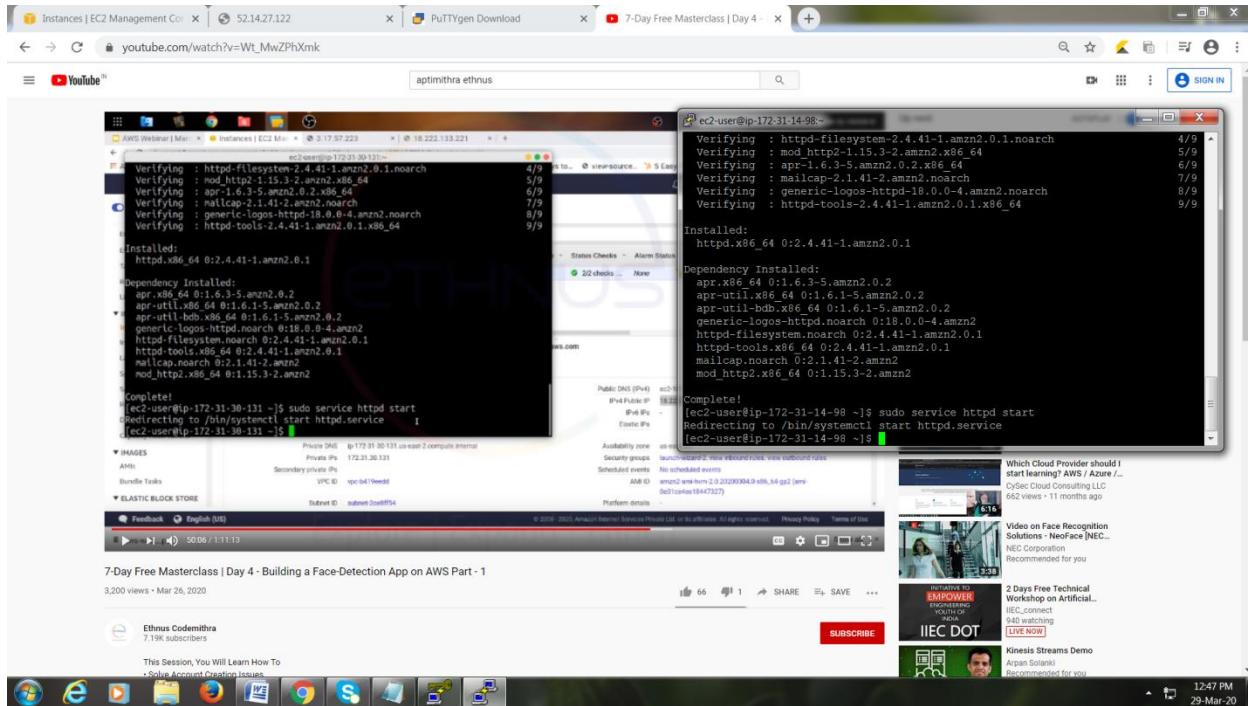
Description	Status Checks	Monitoring	Tags
Instance ID: i-04dc33b3e493c5b2	Instance state: running	Instance type: t2.micro	Finding: Opt-in to AWS Compute Optimizer for recommendations.
Public DNS (IPv4): ec2-52-14-27-122.us-east-2.compute.amazonaws.com	IPv4 Public IP: 52.14.27.122	IPv6 IPs: -	Elastic IPs:

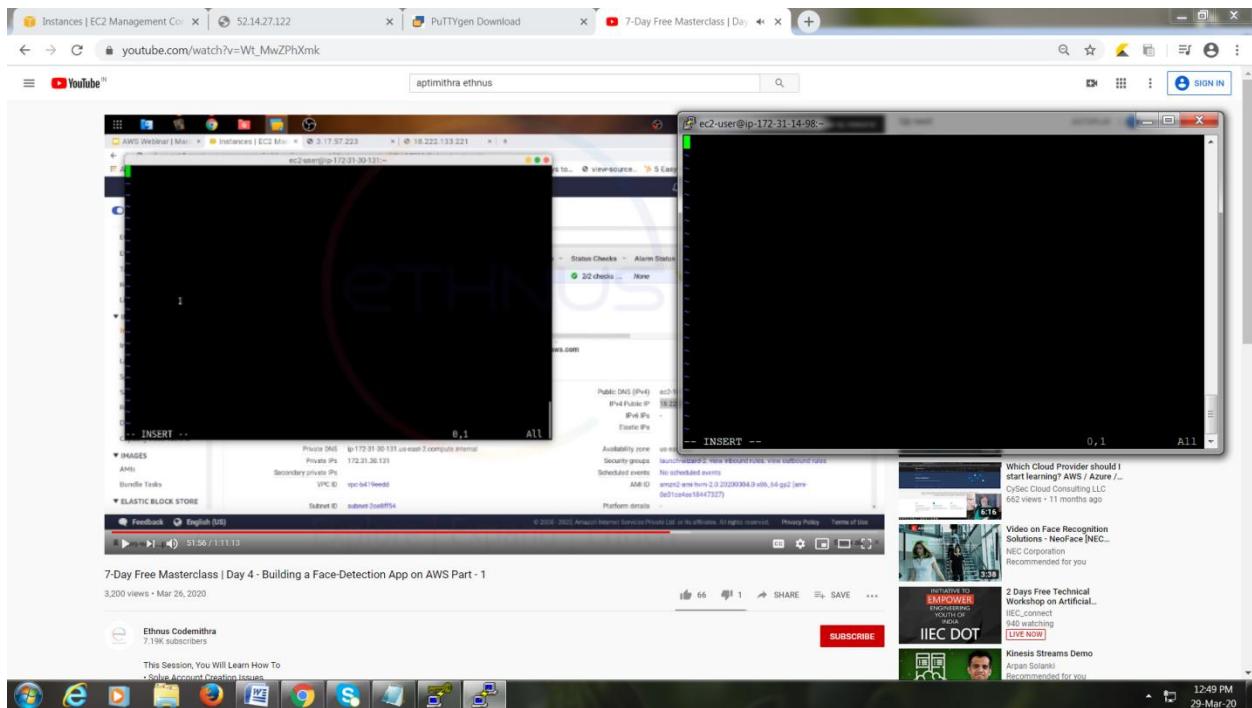
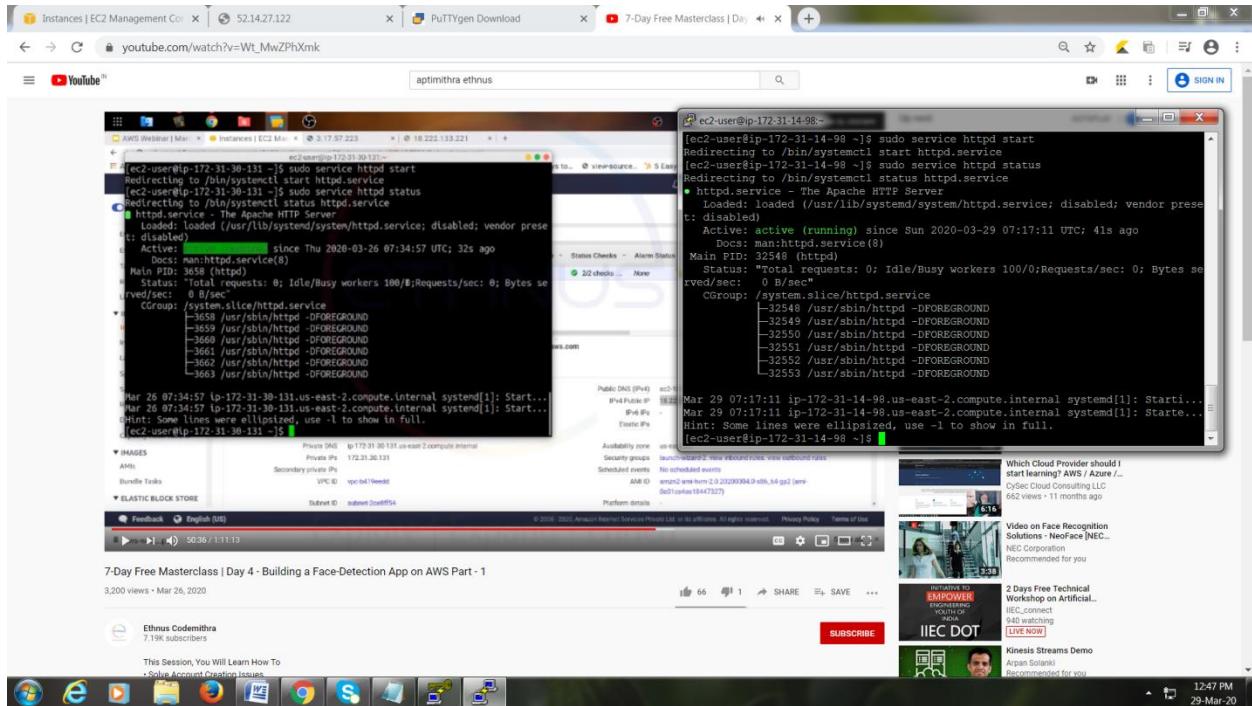
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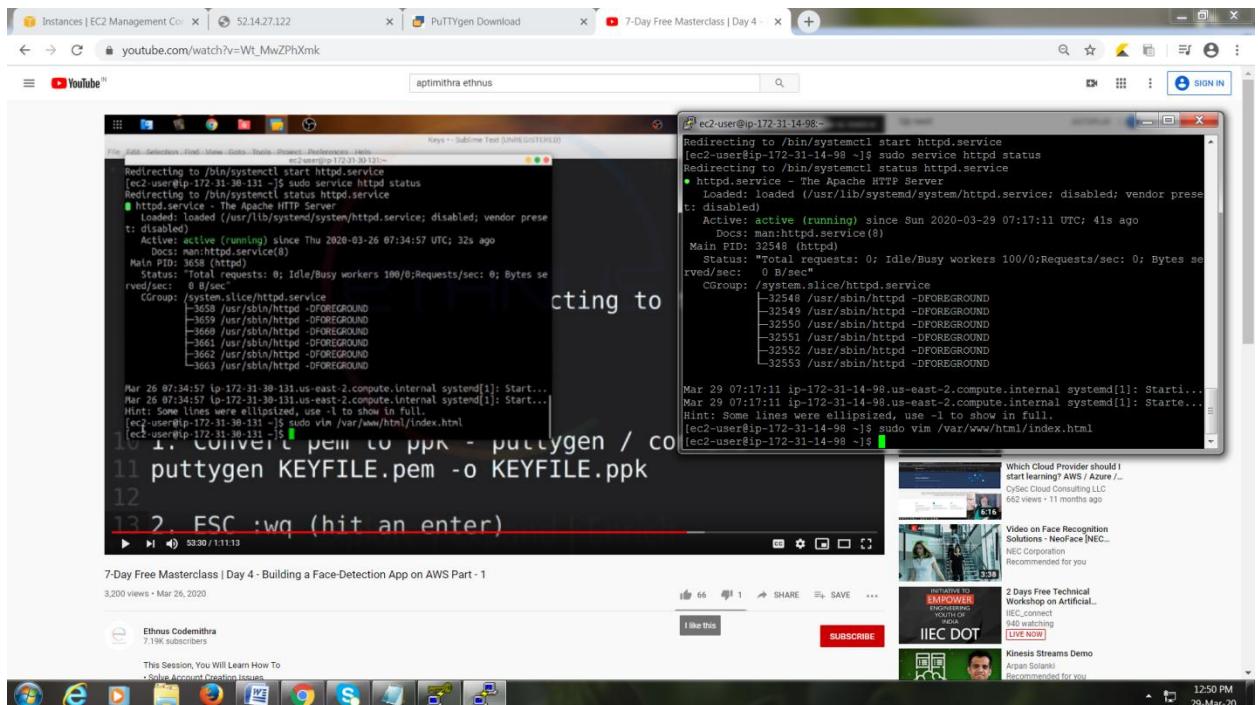
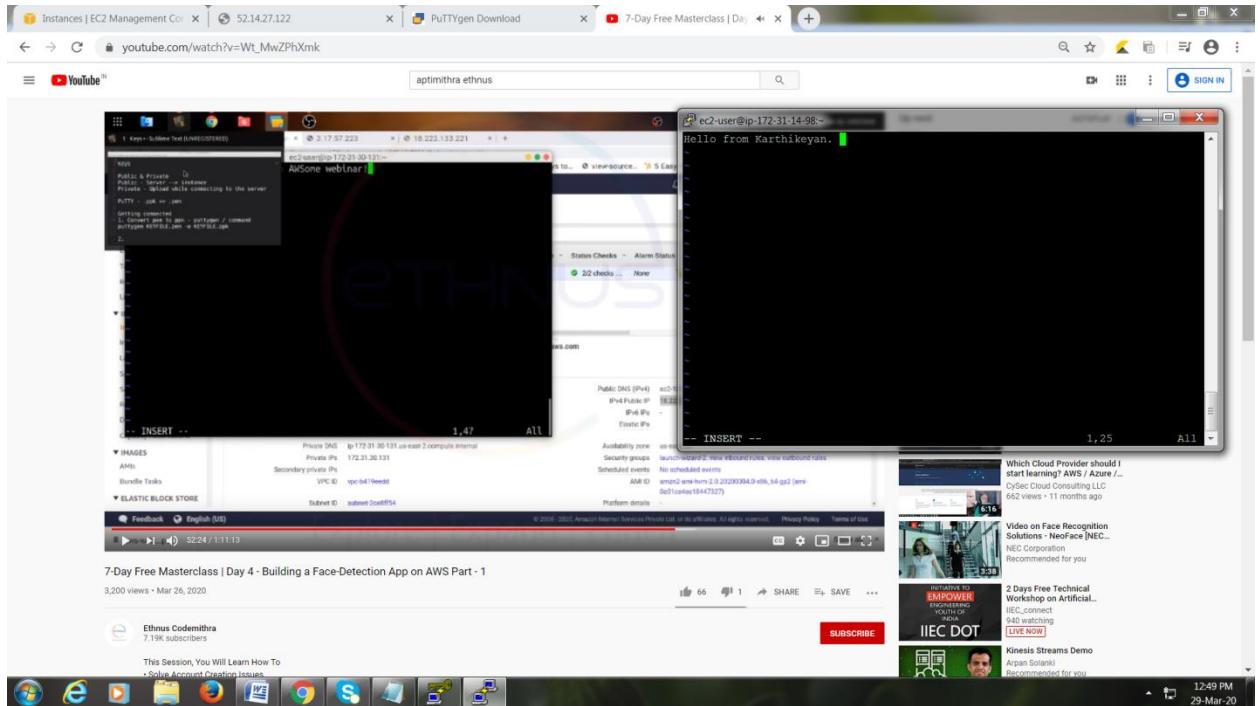












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Services Resource Groups

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Feedback English (US)

Launch Instance Connect Actions

search: i-04dc333b3e493c5b2 Add filter

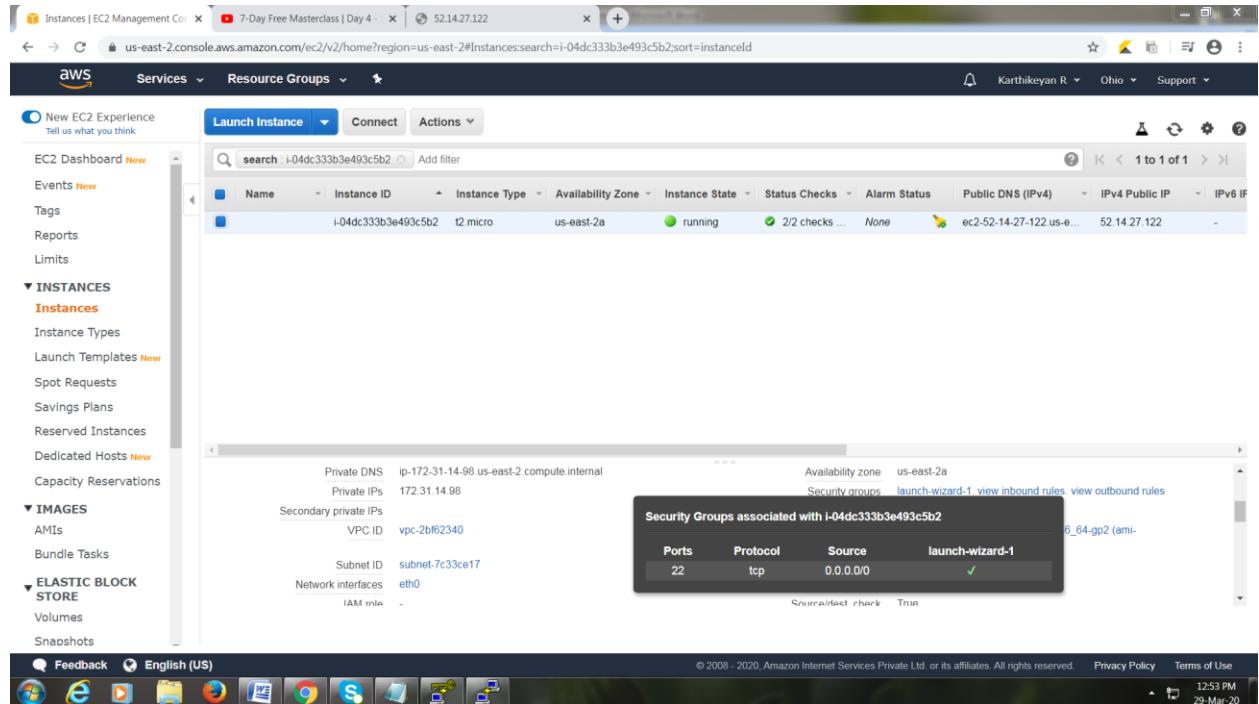
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IP
i-04dc333b3e493c5b2	t2.micro	us-east-2a	running	2/2 checks ...	None		ec2-52-14-27-122.us-e...	52.14.27.122	

Private DNS ip-172-31-14-98.us-east-2.compute.internal
Private IPs 172.31.14.98
Secondary private IPs
VPC ID vpc-2bf62340
Subnet ID subnet-7c33ce17
Network interfaces eth0
IAM role -

Availability zone us-east-2a
Security groups launch-wizard-1, view inbound rules, view outbound rules
SG ID sg-03f8f5c0956135bc8
Ports Protocol Source Inbound
22 tcp 0.0.0.0/0 ✓

Search Inbound Outbound Tags

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EC2 Security Groups

Security Groups (1/1) Info

Filter security groups

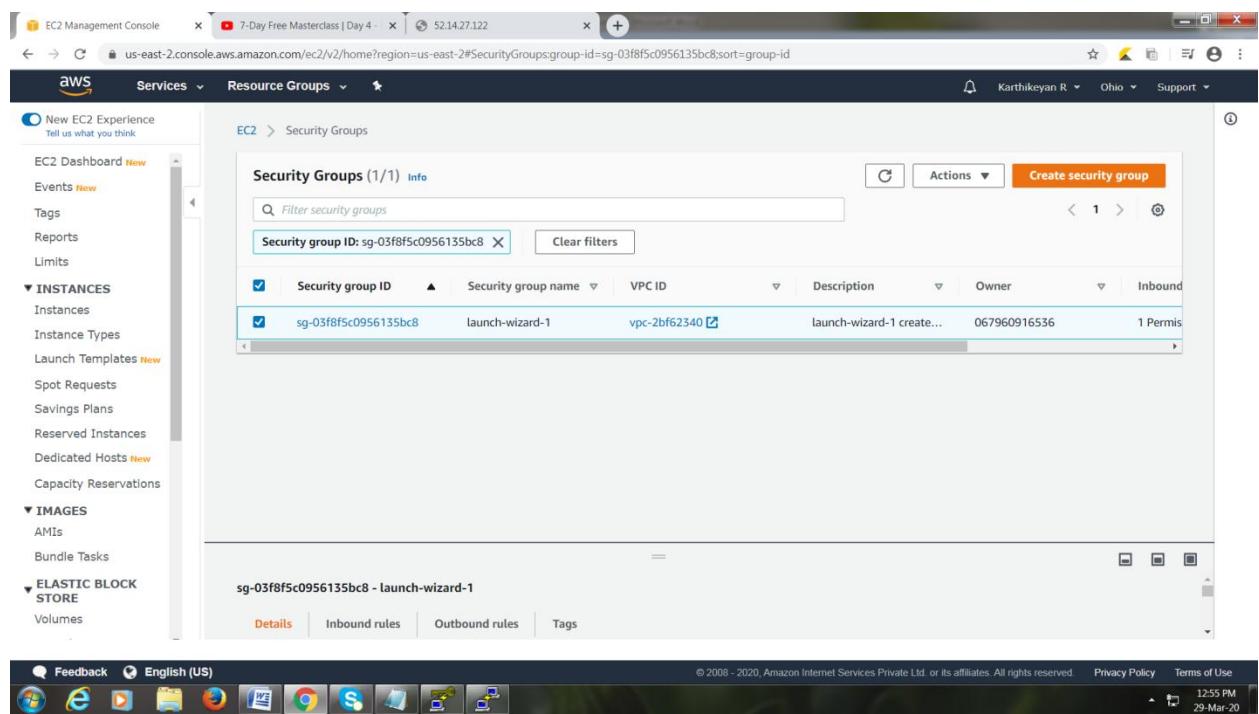
Security group ID: sg-03f8f5c0956135bc8 X Clear filters

Security group ID	Security group name	VPC ID	Description	Owner	Inbound
sg-03f8f5c0956135bc8	launch-wizard-1	vpc-2bf62340	launch-wizard-1 create...	067960916536	1 Permis

sg-03f8f5c0956135bc8 - launch-wizard-1

Details Inbound rules Outbound rules Tags

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EC Management Console > Services > Resource Groups > Security Groups > sg-03f8f5c0956135bc8 - launch-wizard-1

sg-03f8f5c0956135bc8 - launch-wizard-1

Details

Security group name	Security group ID	Description	VPC ID
launch-wizard-1	sg-03f8f5c0956135bc8	launch-wizard-1 created 2020-03-29T11:53:19.395+05:30	vpc-2bf62340
Owner	Inbound rules count	Outbound rules count	
067960916536	1 Permission entry	1 Permission entry	

Inbound rules Outbound rules Tags

Inbound rules

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	0.0.0.0/0	-

Edit inbound rules

Feedback English (US)

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EC Management Console > Services > Resource Groups > Security Groups > sg-03f8f5c0956135bc8 - launch-wizard-1 > Edit inbound rules

Edit inbound rules Info

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

Inbound rules Info

Type	Info	Protocol	Info	Port range	Info	Source	Info	Description - optional	Info
SSH		TCP		22		Custom		0.0.0.0/0	X

Add rule

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

Cancel Preview changes Save rules

Feedback English (US)

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EC Management Console > Services > Resource Groups > sg-03f8f5c0956135bc8 - launch-wizard-1 > Edit inbound rules

Edit inbound rules Info

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

Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>
SSH	TCP	22	Custom <small>Info</small>	0.0.0.0/0 <small>X</small>
HTTP	TCP	80	Anywhere <small>Info</small>	0.0.0.0/0 <small>X</small>
				/0 <small>X</small>

[Add rule](#)

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

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EC Management Console > Services > Resource Groups > sg-03f8f5c0956135bc8 - launch-wizard-1

Inbound security group rules successfully modified on security group (sg-03f8f5c0956135bc8 | launch-wizard-1)

Details

EC2 > Security Groups > sg-03f8f5c0956135bc8 - launch-wizard-1

[Delete security group](#) [Copy to new security group](#)

Details			
Security group name: launch-wizard-1	Security group ID: sg-03f8f5c0956135bc8	Description: launch-wizard-1 created 2020-03-29T11:53:19.395+05:30	VPC ID: vpc-2bf62340 <small>Copy</small>
Owner: 067960916536	Inbound rules count: 3 Permission entries	Outbound rules count: 1 Permission entry	

[Inbound rules](#) [Outbound rules](#) [Tags](#)

Inbound rules

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	Custom	0.0.0.0/0
HTTP	TCP	80	Anywhere	0.0.0.0/0
				/0

[Edit inbound rules](#)

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EC Management Console 7-Day Free Masterclass | Day 4 52.14.27.122

Karthikeyan R Ohio Support

New EC Experience
Tell us what you think

Services Resource Groups

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

ELASTIC BLOCK STORE

- Volumes

sg-03f8f5c0956135bc8 - launch-wizard-1

Delete security group Copy to new security group

Details

Security group name launch-wizard-1	Security group ID sg-03f8f5c0956135bc8	Description launch-wizard-1 created 2020-03-29T11:53:19.395+05:30	VPC ID vpc-2bf62340
Owner 067960916536	Inbound rules count 3 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules Outbound rules Tags

Inbound rules

Type	Protocol	Port range	Source	Description - optional
HTTP	TCP	80	0.0.0.0/0	-
HTTP	TCP	80	::/0	-
SSH	TCP	22	0.0.0.0/0	-

Edit inbound rules

Feedback English (US)

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12:57 PM 29-Mar-20

EC Management Console 7-Day Free Masterclass | Day 4 52.14.27.122

Not secure | 52.14.27.122

Feedback English (US)

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12:57 PM 29-Mar-20

Hello from Karthikeyan.

Feedback English (US)

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12:57 PM 29-Mar-20

Screenshot of the AWS EC2 Management Console showing the Instances page.

The left sidebar shows navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, and Bundle Tasks.

The main content area displays a table of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IP
	i-04dc333b3e493c5b2	t2.micro	us-east-2a	running	2/2 checks ...	None	ec2-52-14-27-122.us-east-2.compute.amazonaws.com	52.14.27.122	-

A modal window is open for the instance i-04dc333b3e493c5b2, showing details like Instance ID, Instance state, Instance type, and a note about a finding.

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, Start, Edge, Google Chrome, and FileZilla.

Screenshot of the AWS EC2 Management Console showing the Instances page with a selected instance.

The left sidebar shows navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, and Bundle Tasks.

The main content area displays a table of instances, identical to the first screenshot.

A modal window titled "Terminate Instances" is open, containing a warning message: "On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost." It also asks, "Are you sure you want to terminate these instances?" with a list item "i-04dc333b3e493c5b2 (ec2-52-14-27-122.us-east-2.compute.amazonaws.com)".

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, Start, Edge, Google Chrome, and FileZilla.

Screenshot of the AWS EC2 Management Console showing the Instances page.

The left sidebar shows navigation links for EC2 Dashboard, Instances, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, AMIs, and Elastic Block Store.

The main content area displays a table of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IP
i-04dc333b3e493c5b2	t2.micro	us-east-2a	terminated	None					

A modal window is open for the selected instance (i-04dc333b3e493c5b2), showing details like Instance ID, Instance state, Instance type, and Public DNS (IPv4).

Screenshot of the AWS S3 Management Console showing the Buckets page.

The left sidebar shows navigation links for Buckets, Batch operations, Access analyzer for S3, and Feature spotlight.

The main content area displays a table of buckets:

Name	Region	Access	Bucket created
No buckets			You don't have any buckets.

A "Create bucket" button is visible at the bottom.

S3 Management Console

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

Amazon S3 > Create bucket

Create bucket

General configuration

Bucket name: aws-webminar-karthikeyan

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

Region: US East (Ohio) us-east-2

Bucket settings for Block Public Access

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

Block all public access

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

Block public access to buckets and objects granted through new access control lists (ACLs)

Feedback English (US)

7-Day Free Masterclass | Day 5 - s3.console.aws.amazon.com/s3/home?region=us-east-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 aws-webminar-karthikeyan

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

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight

Buckets (1)

Name	Region	Access	Bucket created
aws-webminar-karthikeyan	US East (Ohio) us-east-2	Not Public	2020-03-30T05:59:01.000Z

Copy ARN

Empty

Delete

Create bucket

Feedback English (US)

7-Day Free Masterclass | Day 5 - s3.console.aws.amazon.com/s3/home?region=us-east-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 aws-webminar-karthikeyan

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

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight

Buckets (1)

Name	Region	Access	Bucket created
aws-webminar-karthikeyan	US East (Ohio) us-east-2	Not Public	2020-03-30T05:59:01.000Z

Copy ARN

Empty

Delete

Create bucket

Screenshot of the AWS S3 Management Console showing the Overview page for the bucket "aws-webminar-karthikeyan".

The page includes:

- Header: AWS logo, Services, Resource Groups, Karthikeyan R, Global, Support.
- Breadcrumbs: Amazon S3 > aws-webminar-karthikeyan.
- Tab navigation: Overview (selected), Properties, Permissions, Management, Access points.
- Action buttons: Upload, Create folder, Download, Actions.
- Region: US East (Ohio).
- Main content:
 - A message: "This bucket is empty. Upload new objects to get started."
 - Three icons with links:
 - Upload an object (Icon: Bucket with paperclip)
 - Set object properties (Icon: Two people talking)
 - Set object permissions (Icon: Database with gear)
 - Information boxes:
 - "Buckets are globally unique containers for everything that you store in Amazon S3."
 - "After you create a bucket, you can upload your objects (for example, your photo or video files)."
 - "By default, the permissions on an object are private, but you can set up access control policies to grant permissions to others."
- Footer: Feedback, English (US), © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved., Privacy Policy, Terms of Use.
- Bottom navigation: 7-Day Free Masterclass | Day 5, S3 Management Console, how to create html file in notepad, etc.

Screenshot of the AWS S3 Management Console showing the "Upload" wizard for the "aws-webminar-karthikeyan" bucket.

The wizard steps are:

- Select files
- Set permissions
- Set properties
- Review

Current step: Select files.

File details:
1 Files Size: 24.0 B Target path: aws-webminar-karthikeyan

File listed: index.html - 24.0 B

Buttons: Upload, Next, Back.

Information at the bottom: Buckets are globally unique containers for everything that you store in Amazon S3.

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

Bottom navigation: 7-Day Free Masterclass | Day 5, S3 Management Console, how to create html file in notepad, etc.

Screenshot of the AWS S3 Management Console showing the upload process for a file named "notebook.html".

The interface shows the following steps:

- Select files**: One file selected, Size: 24.0 B, Target path: aws-webminar-karthikeyan
- Set permissions**: Manage users and Access for other AWS account.
- Set properties**: Manage public permissions (Block public access settings turned on).
- Review**: Preview of the uploaded file.

Below the main steps, there is a table for choosing a storage class:

Storage class	Designed for	Availability Zones	Min storage duration	Min billable object size	Monitoring and automation fees	Retrieval fees
<input checked="" type="radio"/> Standard	Frequently accessed data	≥ 3	-	-	-	-
<input type="radio"/> Intelligent-Tiering	Long-lived data with changing or unknown access patterns	≥ 3	30 days	-	Per-object fees apply	-
<input type="radio"/> Standard-IA	Long-lived, infrequently accessed data	≥ 3	30 days	128KB	-	Per-GB fees apply
<input type="radio"/> One Zone-IA	Long-lived, infrequently accessed, non-critical data	≥ 1	30 days	128KB	-	Per-GB fees apply
<input type="radio"/> Glacier	Archive data with retrieval times ranging from minutes to hours	≥ 3	90 days	40KB	-	Per-GB fees apply

Buttons at the bottom include **Upload**, **Previous**, and **Next**.

Screenshot of the AWS S3 Management Console showing the upload process for a file named "index.html".

The "Upload" dialog is open, showing the following steps:

- Select files (checked)
- Set permissions (checked)
- Set properties (checked)
- Review (Step 4 of 4)

File details:

- 1 Files
- Size: 24.0 B

Permissions section:

- 1 grantees

Properties section:

- Encryption: No
- Storage class: Standard
- Metadata
- Tag

Buttons at the bottom:

- Previous
- Upload

Below the dialog, the S3 bucket "aws-webminar-karthikeyan" is listed in the main interface.

Bucket details:

- Overview
- Properties
- Permissions
- Management
- Access points

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

Action buttons:

- Upload
- Create folder
- Download
- Actions

File listing:

Name	Last modified	Size	Storage class
index.html	Mar 30, 2020 11:35:34 AM GMT+0530	24.0 B	Standard

Operations summary:

- 0 In progress
- 1 Success
- 0 Error

System status bar:

- Feedback
- English (US)
- 11:35 AM
- 30-Mar-20

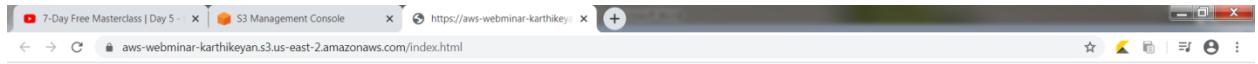
The screenshot shows the AWS S3 Management Console interface. At the top, there are three tabs: '7-Day Free Masterclass | Day 5 -' (active), 'S3 Management Console', and 'how to create html file in note...'. The main navigation bar includes 'Services', 'Resource Groups', and user information 'Karthikeyan R', 'Global', and 'Support'. Below the navigation, the 'Amazon S3' section shows the bucket 'aws-webminar-karthikeyan'. A modal window is open for the file 'index.html', which is the 'Latest version'. The modal has tabs for 'Overview', 'Properties', 'Permissions', and 'Select from'. The 'Overview' tab displays the following details:

	Value
Key	index.html
Size	24.0 B
Expiration date	N/A
Expiration rule	N/A
Etag	62fbfb11a1e6a1d77216d98990844294
Last modified	Mar 30, 2020 11:35:34 AM GMT+0530
Object URL	https://aws-webminar-karthikeyan.s3.us-east-2.amazonaws.com/index.html

The 'Properties' tab shows:

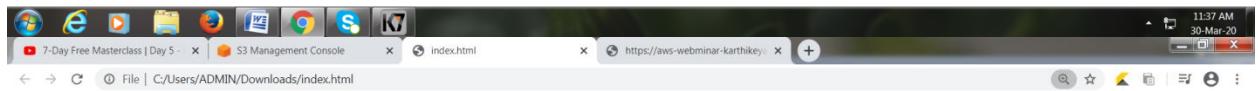
	Value
Storage class	Standard
Encryption	None
Metadata	1
Tags	0 Tags
Object lock	Disabled

The 'Permissions' tab is currently empty. At the bottom of the modal, there are buttons for 'Download', 'Copy path', and 'Select from'. The 'Actions' button in the main S3 list also has these options. The 'Operations' bar at the bottom shows 0 In progress, 1 Success, and 0 Error.



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<Error>
<Code>AccessDenied</Code>
<Message>Access Denied</Message>
<RequestId>F703FFC2D5B41904</RequestId>
<HostId>
    OlotXSy1ctpGzHalXe0d4FreME53+HzJyXjB6N582bxPozN7wJP6hoskJQdw42iHSSGB1KRe3k=
</HostId>
</Error>
```



Hello from Karthikeyan..



The screenshot shows the AWS S3 Management Console interface for a bucket named 'aws-webminar-karthikeyan'. The 'Properties' tab is active. The 'Static website hosting' section is expanded, showing the configuration for hosting a static website. The 'Index document' field is set to 'index.html'. Other sections like 'Versioning', 'Server access logging', and 'Object-level logging' are also visible.

Bucket: aws-webminar-karthikeyan

Properties Tab

Static website hosting

Index document: index.html

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes 'Services' and 'Resource Groups'. The main content area is titled 'aws-webminar-karthikeyan' and shows the 'Properties' tab selected. Below are several configuration sections:

- Versioning**: Keep multiple versions of an object in the same bucket. Status: Disabled.
- Server access logging**: Set up access log records that provide details about access requests. Status: Disabled.
- Static website hosting**: Host a static website, which does not require server-side technologies. Status: Bucket hosting (checked).
- Object-level logging**: Record object-level API activity using the CloudTrail data events feature (additional cost). Status: Disabled.
- Default encryption**: Automatically encrypt objects when stored in Amazon S3. Status: Disabled.

At the bottom, there are links for 'Feedback', 'English (US)', 'Privacy Policy', and 'Terms of Use'. The status bar indicates the date as 30-Mar-20.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: CF6D5C29D9D83A6F
- HostId: f0X+BRwY7BbmK2tCRKF587Kp/nDHUwe15LS5ZrC/YFbjyfl2DgC7uMJsAtj+rWzZBFSfGV7k1UU=



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

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

[Edit](#)

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](#)

Screenshot of the AWS S3 Management Console showing the process of enabling Block Public Access (BPA) for a bucket.

The browser tabs show:

- 7-Day Free Masterclass | Day 5 -
- S3 Management Console
- 403 Forbidden
- index.html
- https://aws-webminar-karthikeyan/

The main S3 console page for the bucket "aws-webminar-karthikeyan" has the "Permissions" tab selected. Under the "Block public access" section, the "Block all public access" checkbox is checked. A modal dialog titled "Edit block public access (bucket settings)" is open, containing a confirmation message and a "confirm" input field. The "Save" button is visible in the top right of the modal.

Below the modal, a success message states: "Public access settings updated successfully".

The status bar at the bottom shows: Feedback English (US) 11:46 AM 30-Mar-20

The screenshot shows a web browser window with four tabs open:

- 7-Day Free Masterclass | Day 5 -
- S3 Management Console
- 403 Forbidden
- index.html https://aws-webminar-karthikeyan.s3-website.us-east-2.amazonaws.com

The active tab is "403 Forbidden". The content of the page is:

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: FC4D9D06D780E42B
- HostId: KToqKWRDJbeA4xUBG+J0NoM8KBQKW7ye8yV7/LoMYCh6r+iWeYCGJG/ceJ6WmBN4tCVFVjXfm0c=

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes the AWS logo, Services (selected), Resource Groups, and tabs for Karthikeyan R, Global, and Support.

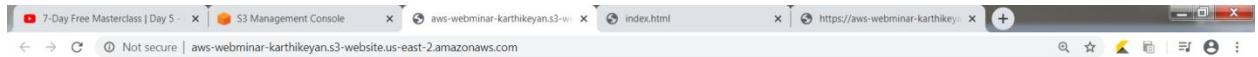
The main content area displays the details for the "index.html" object in the "aws-webminar-karthikeyan" bucket:

- Owner:** c94bb6d4f021ae54d822332f638dd95eff0aba0fbe3da2c5ca117c78b2609b7d
- Last modified:** Mar 30, 2020 11:35:34 AM GMT+0530
- Etag:** 62f0fb11a1e6a1d77216d98990844294
- Storage class:** Standard
- Server-side encryption:** None
- Size:** 24.0 B
- Key:** index.html
- Object URL:** [Link]

Below the object details, there is a summary of operations:

Operations	0 In progress	1 Success	0 Error
Feedback	English (US)		

The bottom of the screen shows the standard Windows taskbar with icons for File Explorer, Task View, Start, Task Manager, and others. The system tray indicates the date and time as 30-Mar-20 at 11:46 AM.



Hello from Karthikeyan..

The screenshot shows the AWS EC2 Management Console interface. A modal dialog titled "Putty Configuration" is open in the center of the screen, overlaid on the main EC2 dashboard. The dialog contains settings for SSH authentication, including checkboxes for "Attempt authentication using Pageant", "Attempt TIS or CryptCard auth (SSH-1)", and "Attempt 'keyboard-interactive' auth (SSH-2)". The main dashboard shows an instance named "i-001fa647436de8068" with a Public DNS of "ec2-3-20-232-82.us-east-2.compute.amazonaws.com" and a Public IP of "3.20.232.82". The EC2 dashboard sidebar includes sections for Instances, Images, and Elastic Block Store.

```
[ec2-user@ip-172-31-42-120 ~]
[ec2-user@ip-172-31-42-120 ~]$ login as: ec2-user
[ec2-user@ip-172-31-42-120 ~]$ Authenticating with public key "importedOpenssh-key"
Last login: Tue Mar 31 06:17:09 2020 from 117.242.212.180
[ec2-user@ip-172-31-42-120 ~]$ 
[ec2-user@ip-172-31-42-120 ~]$ curl -s https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-42-120 ~]$ 1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-42-120 ~]$ sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
httpd-2.4.41-1.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-42-120 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
httpd-2.4.41-1.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-42-120 ~]$ 

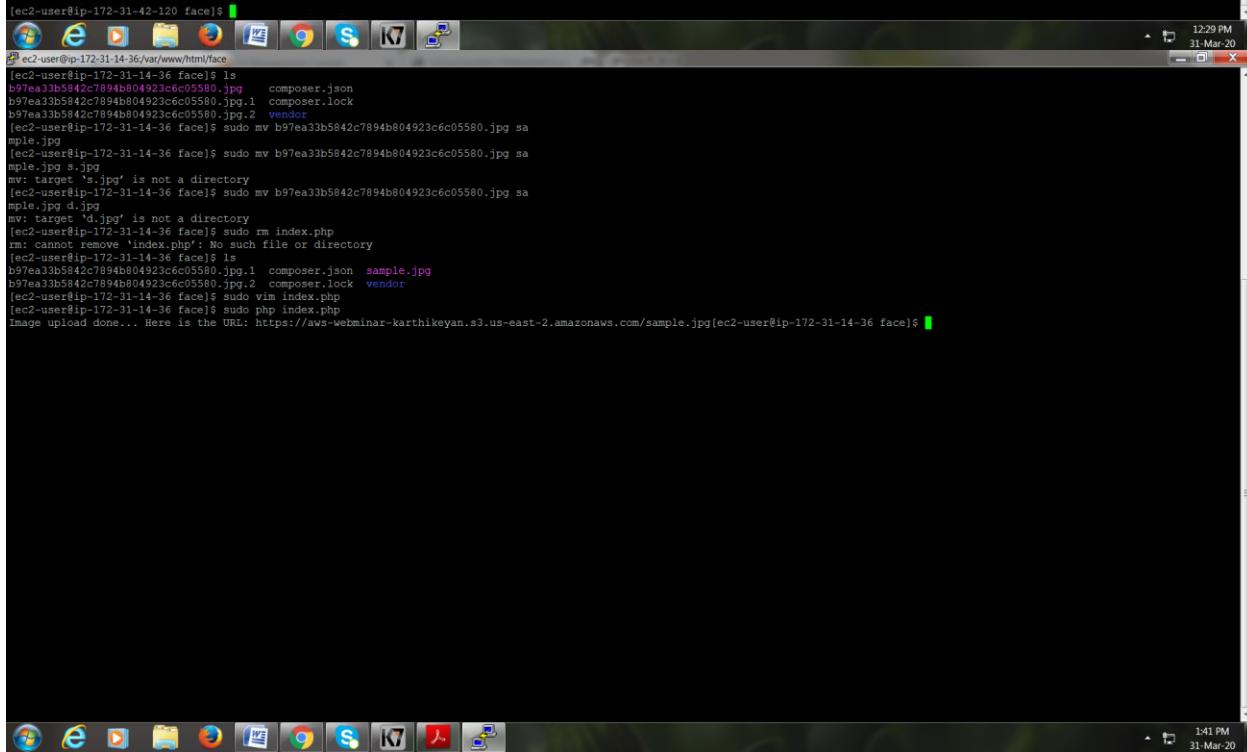
[ec2-user@ip-172-31-42-120 ~]$
```

```
[ec2-user@ip-172-31-42-120:var/www/html]
[ec2-user@ip-172-31-42-120 ~]$ 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-172-31-42-120 ~]$ cd /var/www/html
[ec2-user@ip-172-31-42-120 html]$
```

```
[ec2-user@ip-172-31-42-120:var/www/html/face]$ cd face
[ec2-user@ip-172-31-42-120 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-42-120 face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M
count=1024
/bin/dd: failed to open '/var/swap.1': Text file busy
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: error: /var/swap.1 is mounted; will not make swapfile
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
swapon: /var/swap.1: swapon failed: Device or resource busy
[ec2-user@ip-172-31-42-120 face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M
count=1024
/bin/dd: failed to open '/var/swap.1': Text file busy
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: error: /var/swap.1 is mounted; will not make swapfile
swapon: /var/swap.1: swapon failed: Device or resource busy
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
swapon: /var/swap.1: swapon failed: Device or resource busy
[ec2-user@ip-172-31-42-120 face]$ sudo php -d memory_limit=-1 ~/composer.phar re
quire 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 (v2.8.52): Loading from cache
  - Installing doctrine/cache v1.13 (v1.13): 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, request and response caching, and credentials 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)
packagist/guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/gu
zle instead
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-42-120 face]$
```

```

[ec2-user@ip-172-31-42-120:var/www/html/face]
count=1024
/bin/dd: failed to open '/var/swap.1': Text file busy
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
swapon: /var/swap.1: swapn failed: device or resource busy
[ec2-user@ip-172-31-42-120 face]$ sudo /sbin/swapoff /var/swap.1
swapoff: /var/swap.1: swapn failed: device or resource busy
[ec2-user@ip-172-31-42-120 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.6 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 (2.8.11): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/http-foundation
symfony/event-dispatcher suggests installing symfony/http-kernel
guzzle/guzzle suggests installing guzzlehttp/guzzle (Guzzle 5 has moved to a new package name. The package you have installed, Guzzle 3, is deprecated.)
aws/aws-sdk-php suggests installing doctrine/cache (Adds support for caching of credentials and responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode caching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Nothing to install
Nothing to upgrade
Generating autoload files
[ec2-user@ip-172-31-42-120 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-31 06:59:00 (4.69 MB/s) - `b97ea33b5842c7894b804923c6c05580.jpg' saved [215551/215551]

[ec2-user@ip-172-31-42-120 face]$ 


```

The screenshot shows the AWS S3 Management Console interface. At the top, there are three tabs: '7-Day Free Masterclass | Day 6 -' (active), 'S3 Management Console', and another tab with a URL. The main header includes the AWS logo, 'Services' dropdown, 'Resource Groups' dropdown, and user information 'Karthikeyan R' (Global, Support). Below the header, the breadcrumb navigation shows 'Amazon S3 > aws-webminar-karthikeyan'. The main content area has tabs: 'Overview' (selected), 'Properties', 'Permissions', 'Management', and 'Access points'. A search bar at the top of the content area contains the placeholder 'Type a prefix and press Enter to search. Press ESC to clear.' Below the search bar are buttons for 'Upload', '+ Create folder', 'Download', and 'Actions'. To the right of these buttons is the region 'US East (Ohio)'. The main list displays two objects:

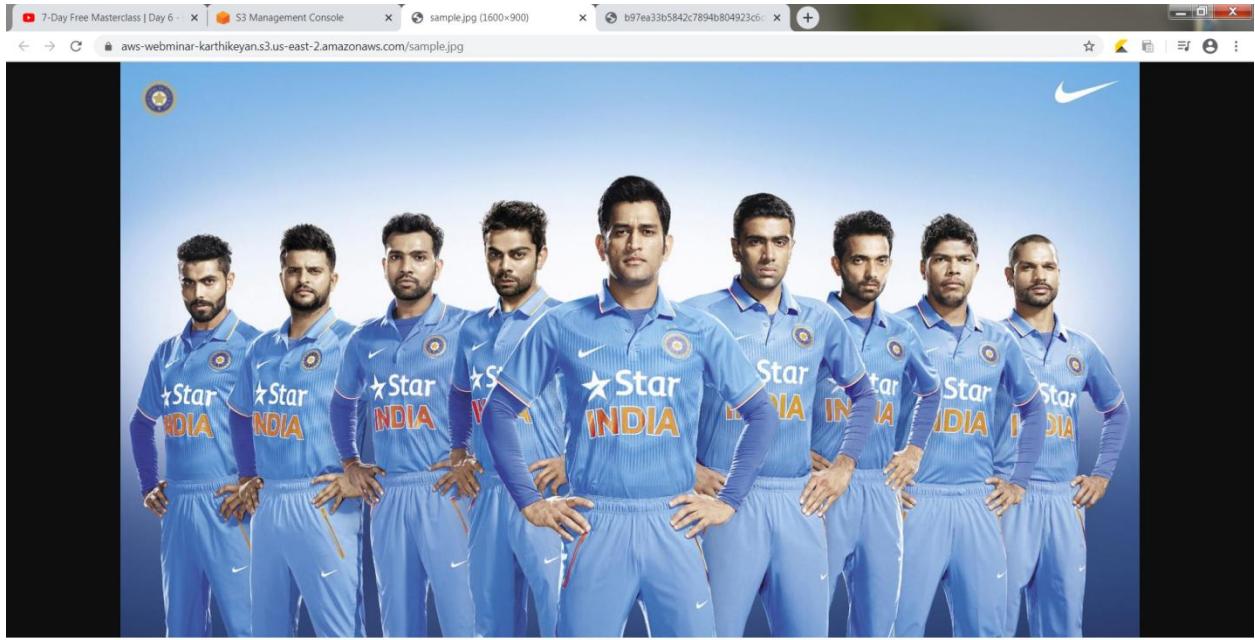
Name	Last modified	Size	Storage class
index.html	Mar 30, 2020 11:35:34 AM GMT+0530	24.0 B	Standard
sample.jpg	Mar 31, 2020 1:40:57 PM GMT+0530	210.5 KB	Standard

Below the object list, there are two status bars: 'Viewing 1 to 2' and 'Viewing 1 to 2'.

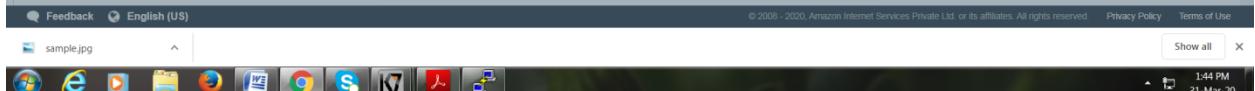
The screenshot shows the AWS S3 Management Console interface, similar to the previous one but focused on a specific object. The breadcrumb navigation shows 'Amazon S3 > aws-webminar-karthikeyan > sample.jpg'. The main content area has tabs: 'Overview' (selected), 'Properties' (selected), 'Permissions', and 'Select from'. Below the tabs are buttons: 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. The detailed properties for 'sample.jpg' are listed:

- Owner**: c94bb6d4f021ae54d822332f638dd95eff0aba0fbe3da2c5ca117c78b2609b7d
- Last modified**: Mar 31, 2020 1:40:57 PM GMT+0530
- Etag**: 571538822bd652105c7ac4331a090052
- Storage class**: Standard
- Server-side encryption**: None
- Size**: 210.5 KB
- Key**: sample.jpg
- Object URL**: <https://aws-webminar-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg>

At the bottom of the page, there is a status bar: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use 1:42 PM 31-Mar-20'



The screenshot shows the AWS S3 console interface. On the left, there's a sidebar with options like 'Upload', 'Create folder', 'Download', and 'Actions'. The main area lists objects: 'sample.jpg' (210.5 KB) and 'index.html'. The 'sample.jpg' file is selected, indicated by a checked checkbox. A modal dialog box titled 'Delete objects' is centered over the list. The dialog displays the selection details: 'Selection: 1 Objects, 0 Folders' and 'Total size: 210.5 KB Total objects: 1'. It also contains a message at the bottom stating 'All affected objects will be deleted.' At the bottom right of the dialog are two buttons: 'Cancel' and 'Delete'.



Screenshot of the AWS S3 Management Console showing a file named "index.html" in the "aws-webscanner-karthikeyan" bucket.

The console interface includes:

- Header: AWS logo, Services dropdown, Resource Groups dropdown, User profile (Karthikeyan R), Global, Support.
- Toolbar: Overview, Properties, Permissions, Management, Access points.
- Search bar: Type a prefix and press Enter to search. Press ESC to clear.
- Actions: Upload, Create folder, Download, Actions dropdown.
- Region: US East (Ohio).
- Table: Displays the file "index.html".

Name	Last modified	Size	Storage class
index.html	Mar 30, 2020 11:35:34 AM GMT+0530	24.0 B	Standard
- Message: Viewing 1 to 1.
- Bottom navigation: Operations (0 In progress, 1 Success, 0 Error), Feedback, English (US), Privacy Policy, Terms of Use.
- Terminal window (Ubuntu 18.04 LTS):

```
[ec2-user@ip-172-31-14-36:~]$ ls
b97ea33b5842c7894b04923c6c05580.jpg  composer.json
b97ea33b5842c7894b04923c6c05580.jpg.l  composer.lock
b97ea33b5842c7894b04923c6c05580.jpg.r  vendor
[ec2-user@ip-172-31-14-36:~]$ sudo mv b97ea33b5842c7894b04923c6c05580.jpg sa
mple.jpg
[ec2-user@ip-172-31-14-36:~]$ sudo mv b97ea33b5842c7894b04923c6c05580.jpg sa
mple.jpg.s.jpg
mv: target 's.jpg' is not a directory
[ec2-user@ip-172-31-14-36:~]$ sudo rm index.php
mv: target 'd.jpg' is not a directory
[ec2-user@ip-172-31-14-36:~]$ sudo rm index.php
rm: cannot remove 'index.php': No such file or directory
[ec2-user@ip-172-31-14-36:~]$ ls
b97ea33b5842c7894b04923c6c05580.jpg.l  composer.json  sample.jpg
b97ea33b5842c7894b04923c6c05580.jpg.r  composer.lock  vendor
[ec2-user@ip-172-31-14-36:~]$ sudo vim index.php
[ec2-user@ip-172-31-14-36:~]$ sudo php index.php
Image upload done... Here is the URL: https://aws-webscanner-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-14-36:~]$ 
[ec2-user@ip-172-31-14-36:~]$ sudo php index.php
Image upload done... Here is the URL: https://aws-webscanner-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-14-36:~]$ 
```
- System tray icons: Internet Explorer, File Explorer, Mozilla Firefox, Google Chrome, Terminal, Task View, Power, Date/Time (1:44 PM, 31-Mar-20).
- Taskbar icons: Internet Explorer, File Explorer, Mozilla Firefox, Google Chrome, Terminal, Task View, Power, Date/Time (1:45 PM, 31-Mar-20).

The screenshot shows the AWS S3 Management Console interface. At the top, there are three tabs: 'sample.jpg (1600x900)', 'b97ea33b5842c7894b804923c6...', and a '+' button. Below the tabs, the AWS logo and navigation menu are visible, including 'Services' and 'Resource Groups'. The main content area displays a table of objects in the 'aws-webminar-karthikeyan' bucket:

Name	Last modified	Size	Storage class
index.html	Mar 30, 2020 11:35:34 AM GMT+0530	24.0 B	Standard
sample.jpg	Mar 31, 2020 1:45:02 PM GMT+0530	210.5 KB	Standard

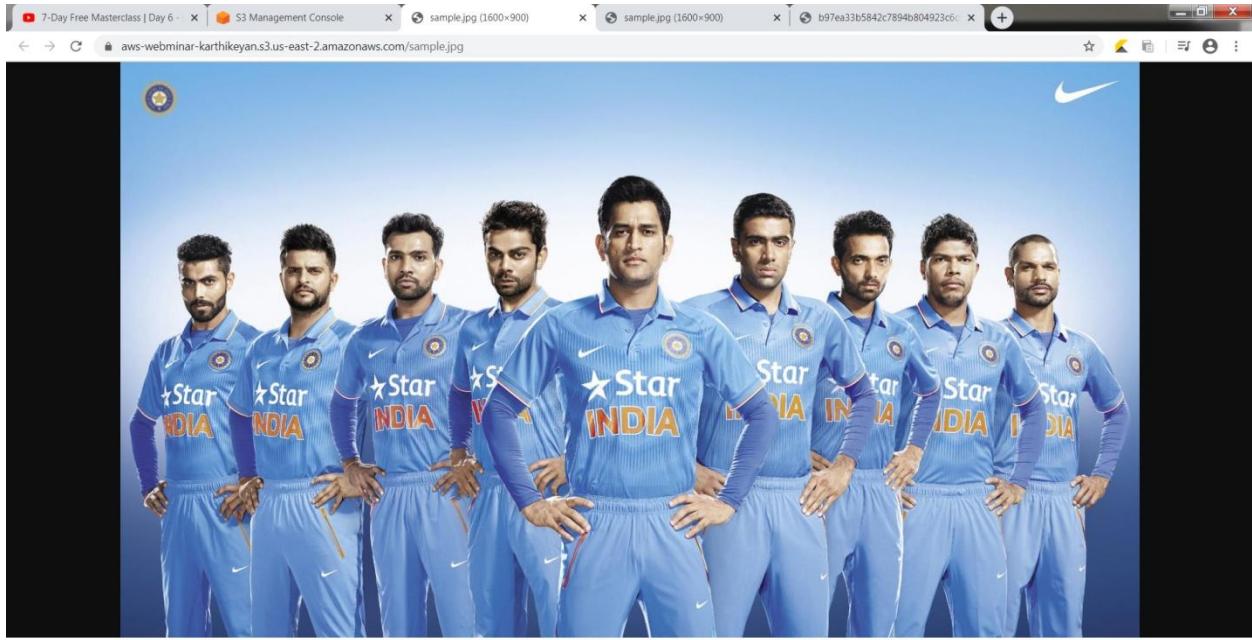
Below the table, there are buttons for 'Upload', 'Create folder', 'Download', and 'Actions'. The region is set to 'US East (Ohio)'. A message at the bottom says 'Viewing 1 to 2'.

This screenshot shows the properties of the 'sample.jpg' object. The top bar includes 'Feedback', 'English (US)', and a timestamp '1:45 PM 31-Mar-20'. The main content area has tabs for 'Overview', 'Properties', 'Permissions', and 'Select from'. Under 'Properties', the following details are shown:

- Owner:** c94bb6d4f021ae54d822332f638dd95ef6abab6fe3da2c5ca117c78b2609b7d
- Last modified:** Mar 31, 2020 1:45:02 PM GMT+0530
- Etag:** 5715388228d652105c7ac4331a990052
- Storage class:** Standard
- Server-side encryption:** None
- Size:** 210.5 KB
- Key:** sample.jpg
- Object URL:** <https://aws-webminar-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg>

At the bottom, there are buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. The region is set to 'US East (Ohio)'.

This screenshot is identical to the previous one, showing the properties of the 'sample.jpg' object. It includes the same timestamp '1:45 PM 31-Mar-20', tabs for 'Overview', 'Properties', 'Permissions', and 'Select from', and the same detailed object information.



7-Day Free Masterclass | Day 7 - Rekognition Console sample.jpg (1600x900) sample.jpg (1600x900) b97ea33b5842c7894b804923c6...

Services Resource Groups Karthikeyan R Ohio Support

Amazon Rekognition

- Custom Labels New
- 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
- Additional Resources
- Getting started guide

Feedback English (US)

sample.jpg

Done with the demo? Learn more

Text in image

Rekognition automatically detects and extracts text in your images. Learn More

Results US English only

| IT'S |
| MONDAY |
| but | keep |
| Smiling |

Request Response

Choose a sample image Use your own image
Image must be .jpg or .png format and no larger than 5MB. Your image isn't stored.

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Show all

1:56 PM 31-Mar-20

7-Day Free Masterclass | Day 7 - Rekognition Console sample.jpg (1600x900) sample.jpg (1600x900) b97ea33b5842c7894b804923c6...

Services Resource Groups Karthikeyan R Ohio Support

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- Metrics
- Metrics
- Additional Resources
- Getting started guide
- Download SDKs
- Developer resources
- Pricing
- FAQ

Feedback English (US)

sample.jpg

Done with the demo? Learn more

Face comparison

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

Reference face Comparison faces

Results

Similarity 99.8 %

Request Response

Choose a sample image Choose a sample image

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Show all

1:56 PM 31-Mar-20

The screenshot displays two consecutive screenshots of the AWS Rekognition console, showing the results of celebrity and facial analysis.

Screenshot 1: Celebrity recognition

The left sidebar shows the navigation menu under "Amazon Rekognition". The "Celebrity recognition" option is selected. The main content area shows a portrait of Jeff Bezos with a bounding box around his face. The results panel on the right shows:

- Done with the demo? [Learn more](#)
- Results: Jeff Bezos (Match confidence: 100%)
- Request and Response sections

Screenshot 2: Facial analysis

The left sidebar shows the navigation menu under "Amazon Rekognition". The "Facial analysis" option is selected. The main content area shows a woman driving a yellow car with a bounding box around her face. The results panel on the right shows:

- Done with the demo? [Learn more](#)
- Results: 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%)
- Show more, Request, Response sections

```
[ec2-user@ip-172-31-14-36/var/www/html/face]$ ls  
b97ea3b5842c7894b04923c6c05580.jpg composer.json  
b97ea3b5842c7894b04923c6c05580.jpg.lock vendor  
[ec2-user@ip-172-31-14-36 face]$ sudo mv b97ea3b5842c7894b04923c6c05580.jpg sample.jpg  
[ec2-user@ip-172-31-14-36 face]$ sudo mv b97ea3b5842c7894b04923c6c05580.jpg sample.jpg sa  
mple.jpg  
mv: target `sample.jpg' is not a directory  
[ec2-user@ip-172-31-14-36 face]$ sudo mv b97ea3b5842c7894b04923c6c05580.jpg sample.jpg d.jpg  
mv: target `d.jpg' is not a directory  
[ec2-user@ip-172-31-14-36 face]$ sudo rm index.php  
rm: cannot remove 'index.php': No such file or directory  
[ec2-user@ip-172-31-14-36 face]$ ls  
b97ea3b5842c7894b04923c6c05580.jpg.lock vendor  
b97ea3b5842c7894b04923c6c05580.jpg.sample.jpg  
[ec2-user@ip-172-31-14-36 face]$ sudo vim index.php  
[ec2-user@ip-172-31-14-36 face]$ sudo php index.php  
Image upload done... Here is the URL: https://aws-webminar-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-14-36 face]$  
[ec2-user@ip-172-31-14-36 face]$ sudo php index.php  
Image upload done... Here is the URL: https://aws-webminar-karthikeyan.s3.us-east-2.amazonaws.com/sample.jpg[ec2-user@ip-172-31-14-36 face]$
```

