

AWS FACE RECOGNITION

Name: Philo Shoby

Screenshots:

Day 1:

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'philoshoby1' from 'Ohio'. The main content area is titled 'AWS Management Console' and features several sections: 'AWS services' with a search bar and 'Recently visited services' (Billing, Amazon Rekognition, IAM, S3, EC2); 'Access resources on the go' with a link to the AWS Mobile App; 'Explore AWS' with links to Amazon CloudWatch and Amazon EMR; and 'Build a solution' with a link to 'Get started with simple wizards and automated workflows'.

The 'Launch instance wizard' is open, showing the 'Choose an Amazon Machine Image (AMI)' step. The wizard includes a search bar and a 'Quick Start' section. The 'Quick Start' section displays two recommended AMIs:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm). This AMI is selected. It includes details about five years of support, Linux kernel 4.14, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. The root device type is ebs, virtualization type is hvm, and ENA is enabled.
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8. This AMI is described as an EBS-backed, AWS-supported image that includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

The console also shows the 'Activate Windows' watermark and the system clock indicating 6:47 PM on 3/29/2020.

Launch instance wizard | EC2 Ma x

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 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 |

Cancel Previous Review and Launch Next: Configure Instance Details

Feedback English (US)

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Type here to search

Launch instance wizard | EC2 Ma x

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 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-cbb66ea0 (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

Cancel Previous Review and Launch Next: Add Storage

Go to Settings to activate Windows.

Feedback English (US)

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Type here to search

Launch instance wizard | EC2 Ma

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

AppsVellore Institute of...CodeVITGmail-shoby.philo...Dashboard | Hacker...College Collaborati...Programming chall...Watch This Is Us 4 (...Telegram Web

awsServicesResource Groupsphiloshoby1OhioSupport

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

Step 4: Add Storage

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

| Volume Type | Device | Snapshot | Size (GiB) | Volume Type | IOPS | Throughput (MB/s) | Delete on Termination | Encryption |
|-------------|-----------|------------------------|------------|---------------------------|------------|-------------------|-------------------------------------|-------------|
| Root | /dev/xvda | snap-0f54692056aaa4c20 | 8 | General Purpose SSD (gp2) | 100 / 3000 | N/A | <input checked="" type="checkbox"/> | Not Encrypt |

Add New Volume

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

CancelPreviousReview and LaunchNext: Add Tags

Go to Settings to activate Windows.

FeedbackEnglish (US)

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Type here to search

Launch instance wizard | EC2 Ma

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

AppsVellore Institute of...CodeVITGmail-shoby.philo...Dashboard | Hacker...College Collaborati...Programming chall...Watch This Is Us 4 (...Telegram Web

awsServicesResource Groupsphiloshoby1OhioSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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 | Value | Instances | Volumes |
|-------------------------------------|-------|-----------|---------|
| 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)

CancelPreviousReview and LaunchNext: Configure Security Group

Go to Settings to activate Windows.

Launch instance wizard | EC2 Ma x

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 6: Configure Security Group

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

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

Security group name:

Description:

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

Add Rule

Warning

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

Cancel Previous **Review and Launch**

Go to Settings to activate Windows.

Feedback English (US)

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Launch instance wizard | EC2 Ma x

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

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 |

Security Groups [Edit security groups](#)

Security group name launch-wizard-2

Activate Cancel Previous **Launch**

Go to Settings to activate Windows.

Launch instance wizard | EC2 Ma x +

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

AMI Details

Amazon Linux 2 AMI (HVM), S

Free tier eligible

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

Root Device Type: ebs Virtualization type

Instance Type

| Instance Type | ECUs |
|---------------|----------|
| t2.micro | Variable |

Security Groups

Security group name launch-wizard

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

lisa-aws-key

☒ I acknowledge that I have access to the selected private key file (lisa-aws-key.pem), and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

Edit AMI

Binutils 2.29.1, and the latest

Edit instance type

Network Performance

Low to Moderate

Edit security groups

Cancel Previous Launch

Feedback English (US)

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Type here to search

Instances | EC2 Management Co x +

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

Services Resource Groups

New EC2 Experience Tell us what you think

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

| Name | Instance ID | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) |
|------|---------------------|---------------|-------------------|----------------|----------------|--------------|--------------------------|
| | i-065c3b729af03a98a | t2.micro | us-east-2b | running | 2/2 checks ... | None | ec2-18-216-217-93.us-... |

Instance: i-065c3b729af03a98a Public DNS: ec2-18-216-217-93.us-east-2.compute.amazonaws.com

Description

Instance ID i-065c3b729af03a98a

Instance state running

Instance type t2.micro

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

Private DNS ip-172-31-20-42.us-east-2.compute.internal

Private IPs 172.31.20.42

Secondary private IPs

Status Checks

Public DNS (IPv4) ec2-18-216-217-93.us-east-2.compute.amazonaws.com

IPv4 Public IP 18.216.217.93

IPv6 IPs -

Elastic IPs

Availability zone us-east-2b

Security groups launch-wizard-1. [view inbound rules.](#) [view outbound rules](#)

Scheduled events No scheduled events

[Go to Settings to activate Windows.](#)

Feedback English (US)

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Type here to search

Instances | EC2 Management Console

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

Services Resource Groups

New EC2 Experience

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

Launch Instance

Filter by tags and attributes or

Name Instance

i-065c3b729af03a98

Description Status Checks

Instance ID

Instance state

Instance type

Finding

Private DNS

Private IPs

Secondary private IPs

Putty Configuration

Category:

Session

Logging

Terminal

Keyboard

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Serial

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) 18.216.217.93

Port 22

Connection type:

☐ 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

About Help Open Cancel

Status Checks

Alarm Status

Public DNS (IPv4)

2/2 checks ... None

ec2-18-216-217-93.us-east-2.compute.amazonaws.com

18.216.217.93

Availability zone us-east-2b

Security groups launch-wizard-1. view inbound rules. view outbound rules

Scheduled events No scheduled events

Feedback English (US)

Type here to search

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7:03 PM 3/29/2020

Instances | EC2 Management Console

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

Services Resource Groups

New EC2 Experience

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

Launch Instance

Filter by tags and attributes or

Name Instance

i-065c3b729af03a98

Description Status Checks

Instance ID

Instance state

Instance type

Finding

Private DNS

Private IPs

Secondary private IPs

Putty Configuration

Category:

Session

Logging

Terminal

Keyboard

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Serial

Options controlling SSH authentication

☒ Display pre-authentication banner (SSH-2 only)

☐ Bypass authentication entirely (SSH-2 only)

Authentication methods

☒ Attempt authentication using Pageant

☐ Attempt TIS or CryptoCard auth (SSH-1)

☒ Attempt "keyboard-interactive" auth (SSH-2)

Authentication parameters

☐ Allow agent forwarding

☐ Allow attempted changes of username in SSH-2

Private key file for authentication:

E:\isa-aws-key.ppk

Browse...

About Help Open Cancel

Status Checks

Alarm Status

Public DNS (IPv4)

2/2 checks ... None

ec2-18-216-217-93.us-east-2.compute.amazonaws.com

18.216.217.93

Availability zone us-east-2b

Security groups launch-wizard-1. view inbound rules. view outbound rules

Scheduled events No scheduled events

Feedback English (US)

Type here to search

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7:03 PM 3/29/2020

[illegible]

```

c2-user@ip-172-31-20-42:~$
Verifying : mod_http2-2.1.15-3-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64 9/9

Installed:
  httpd.x86_64 0:2.4.41-1.amzn2.0.1

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2
  apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  apr-util-ldap.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1
  httpd-tools.x86_64 0:2.4.41-1.amzn2.0.1
  mailcap.noarch 0:2.1.41-2.amzn2
  mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[ec2-user@ip-172-31-20-42 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-20-42 ~]$ sudo service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
t: disabled)
   Active: active (running) since Fri 2020-03-27 08:00:38 UTC; 27s ago
     Docs: man:httpd.service(8)
  Main PID: 32600 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes se
rved/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─32600 /usr/sbin/httpd -DFOREGROUND
              └─32601 /usr/sbin/httpd -DFOREGROUND
                └─32602 /usr/sbin/httpd -DFOREGROUND
                  └─32603 /usr/sbin/httpd -DFOREGROUND
                    └─32604 /usr/sbin/httpd -DFOREGROUND
                      └─32605 /usr/sbin/httpd -DFOREGROUND

Mar 27 08:00:38 ip-172-31-20-42.us-east-2.compute.internal systemd[1]: Starti...
Mar 27 08:00:38 ip-172-31-20-42.us-east-2.compute.internal systemd[1]: Starte...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-20-42 ~]$ sudo vim /var/www/html/index.html

```

Instances | EC2 Management Console

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

Services Resource Groups

New EC2 Experience Tell us what you think

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

| Name | Instance ID | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) |
|------|---------------------|---------------|-------------------|----------------|----------------|--------------|--------------------------|
| | i-065c3b729af03a98a | t2.micro | us-east-2b | running | 2/2 checks ... | None | ec2-18-216-217-93.us-... |

Instance state: running
Instance type: t2.micro
Finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)
Private DNS: ip-172-31-20-42.us-east-2.compute.internal
Private IPs: 172.31.20.42
Secondary private IPs: VPC ID: vpc-cbbb6ea0
Subnet ID: subnet-1e123964
Network interfaces: eth0
IAM role: lisa-aws-s3-reko-fa
Key pair name: lisa-aws-key

IPv4 Public IP: 18.216.217.93
IPv6 IPs: -
Elastic IPs: -
Availability zone: us-east-2b
Security groups: launch-wizard-1. [view inbound rules](#). [view](#)

Security Groups associated with i-065c3b729af03a98a

| Ports | Protocol | Source | launch-wizard-1 |
|-------|----------|------------------|-----------------|
| 80 | tcp | 0.0.0.0/0, :::/0 | ✓ |
| 22 | tcp | 0.0.0.0/0 | ✓ |

Source/dest. check: True
T2/T3 Unlimited: Disabled

Feedback English (US)

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Type here to search

EC2 Management Console x 3.12.102.185

Not secure | 3.12.102.185

Apps Vellore Institute of... CodeVIT Gmail: shoby.philo... Dashboard | Hacker... College Collaborati... Programming chall... Watch This Is Us 4 ... Telegram Web

Hello this is my aws project.. I am very excited about it.

Activate Windows
Go to Settings to activate Windows.

Type here to search

1:43 PM 3/27/2020

DAY 2

Create bucket

General configuration

Bucket name

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

Region

Bucket settings for Block Public Access

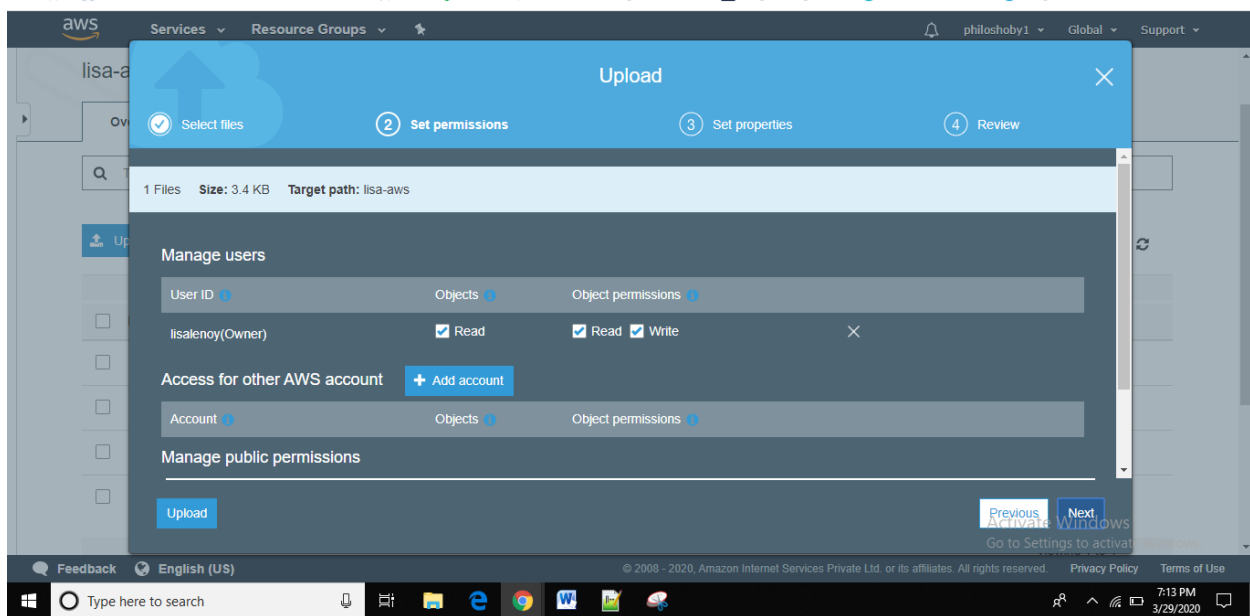
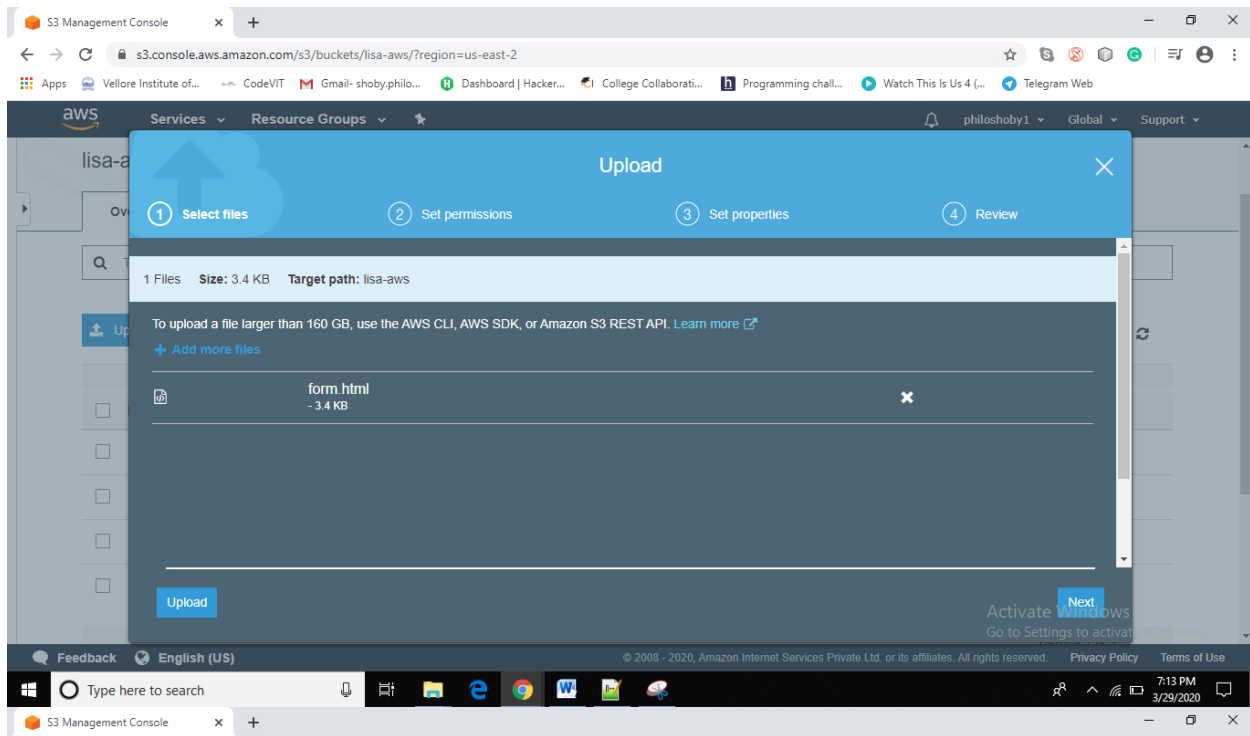
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access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

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

Amazon S3

Buckets (1)

| Name | Region | Access | Bucket created |
|--------------------------------|--------------------------|-----------------------|--------------------------|
| <input type="radio"/> lisa-aws | US East (Ohio) us-east-2 | Objects can be public | 2020-03-27T12:10:20.000Z |



S3 Management Console

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

Services Resource Groups

philoshoby1 Global Support

Upload

1 Select files 2 Set permissions 3 Set properties 4 Review

1 Files Size: 3.4 KB Target path: lisa-aws

Storage class

Choose a storage class based on your use case and access requirements. [Learn more](#) or see [Amazon S3 pricing](#)

| Storage class | Designed for | Availability Zones | Min storage duration | Min billable object size | Monitoring and automation fees | Retrieval fees |
|--|--|--------------------|----------------------|--------------------------|--------------------------------|-------------------|
| <input type="radio"/> Standard | Frequently accessed data | ≥ 3 | - | - | - | - |
| <input checked="" 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 |

Upload

Previous Next

Go to Settings to activate Windows

Feedback English (US)

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Type here to search

S3 Management Console

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

Services Resource Groups

philoshoby1 Global Support

Upload

1 Select files 2 Set permissions 3 Set properties 4 Review

Files

1 Files Size: 3.4 KB

Permissions

1 grantees

Properties

Encryption No Storage class Standard

Metadata

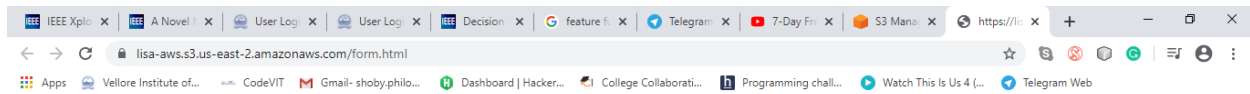
Previous Upload

Go to Settings to activate Windows

Feedback English (US)

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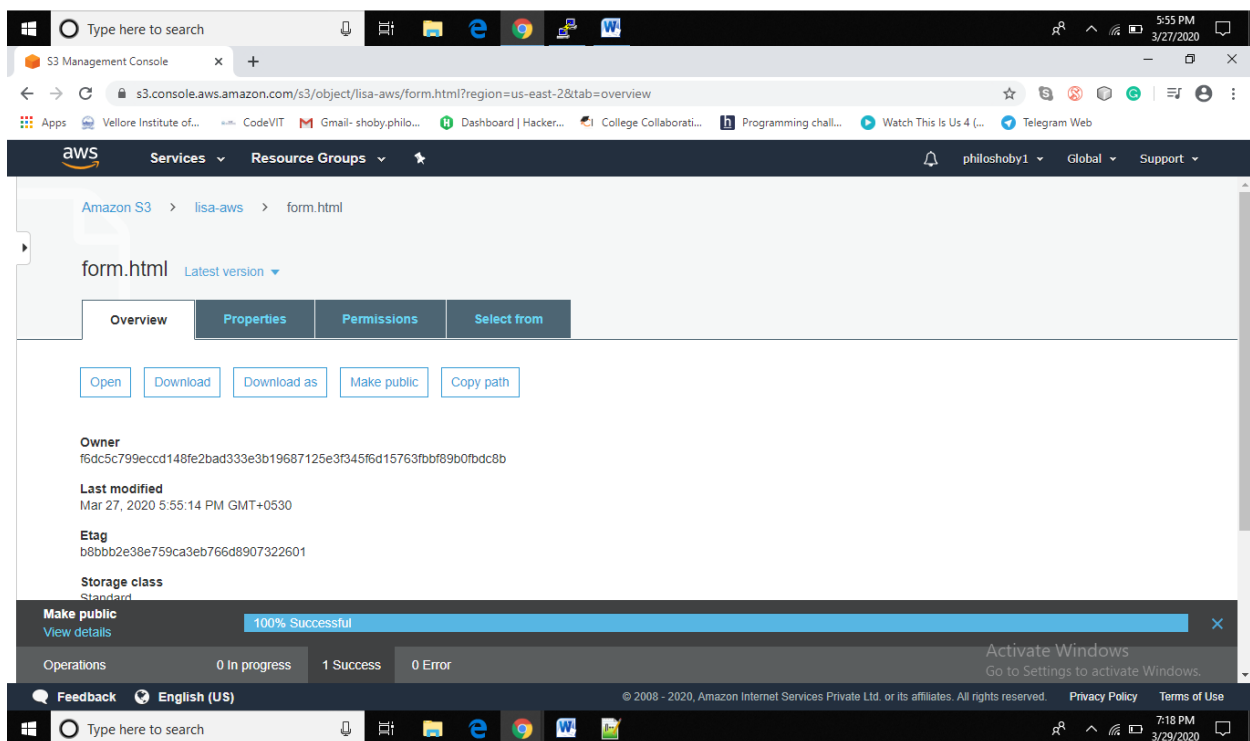
Type here to search



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

```
<?xml version="1.0"?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>6C6DC673733717FC</RequestId>
  <HostId>
    9VgFDKq1C4hmgHT1ZfdBEA8NKOGtsbuzz/Ng/DvZ1nRG56WQOE06ZnZzuCXvFIcPhuVJLzlineC/g=
  </HostId>
</Error>
```

Activate Windows
Go to Settings to activate Windows.



S3 Management Console

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

Services Resource Groups

Block public access Access Control List Bucket Policy CORS configuration

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access Off

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

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

Block public access to buckets and objects granted through new public bucket or access point policies Off

Block public and cross-account access to buckets and objects through any public bucket or access point policies Off

Activate Windows
Go to Settings to activate Windows.

Feedback English (US)

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Type here to search

Not secure | lisa-aws.s3-website.us-east-2.amazonaws.com

First name * Last name *

Email *

Portfolio website
http://

Position you are applying for *

Salary requirements When can you start?

Phone * Fax

Are you willing to relocate?
☒ Yes ☐ No ☐ Not sure

Last company you worked for

Reference / Comments / Questions

Send Application [form to email](#)

Type here to search

6:30 PM 3/27/2020

DAY 3

The screenshot displays the AWS Management Console for an EC2 instance named 'i-065c3b729af03a98a' (t2.micro). The instance is running in the 'us-east-2' region. The terminal window shows the user 'ec2-user' logging in and running the command 'sudo yum install php'. The output shows that the package 'php.x86_64 0:5.4.16-46.amzn2.0.2' will be installed, along with its dependencies: 'php-cli.x86_64 0:5.4.16-46.amzn2.0.2', 'php-common.x86_64 0:5.4.16-46.amzn2.0.2', and 'libzip.x86_64 0:0.10.1-9.amzn2.0.5'. The transaction summary shows the installation of these packages from the 'amzn2-core' repository.

Instance Details:

- Instance ID: i-065c3b729af03a98a
- Instance Type: t2.micro
- Public DNS: ec2-18-216-217-93.us-east-2.compute.amazonaws.com
- Private DNS: ip-172-31-20-42.us-east-2.compute.internal
- Private IPs: 172.31.20.42
- Secondary private IPs: vdr.in.unn-rtkhhf6a0
- Availability zone: us-east-2b
- Security groups: launch-wizard-1, view inbound rules, view outbound rules
- Scheduled events: No scheduled events

Terminal Output:

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Fri Mar 27 07:52:36 2020 from 42.109.143.70

 _ _ | _ _ |
 _ _ | _ _ |
 _ _ | _ _ |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-20-42 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 2.4 kB | 00:00
Resolving Dependencies
--> Running transaction check
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.2 for package: ph
p-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package:
php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-4
6.amzn2.0.2.x86_64
--> Running transaction check
--> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
php x86_64 5.4.16-46.amzn2.0.2 amzn2-core 1.4 M
Installing for dependencies:
libzip010-compat x86_64 0.10.1-9.amzn2.0.5 amzn2-core 30 k
php-cli x86_64 5.4.16-46.amzn2.0.2 amzn2-core 2.8 M
php-common x86_64 5.4.16-46.amzn2.0.2 amzn2-core 563 k
Transaction Summary
-----
Total download size: 2.8 M
Total space required: 2.8 M
Is this ok [y/N]:
```

```
ec2-user@ip-172-31-20-42:/var/www/html
Install 1 Package (+3 Dependent packages)

Total download size: 4.7 M
Installed size: 17 M
Is this ok [y/d/N]: y
Downloading packages:
(1/4): libzip010-compat-0.10.1-9.amzn2.0.5.x86_64.rpm | 30 kB 00:00
(2/4): php-5.4.16-46.amzn2.0.2.x86_64.rpm | 1.4 MB 00:00
(3/4): php-common-5.4.16-46.amzn2.0.2.x86_64.rpm | 563 kB 00:00
(4/4): php-cli-5.4.16-46.amzn2.0.2.x86_64.rpm | 2.8 MB 00:00
-----
Total                               16 MB/s | 4.7 MB 00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64      1/4
  Installing : php-common-5.4.16-46.amzn2.0.2.x86_64         2/4
  Installing : php-cli-5.4.16-46.amzn2.0.2.x86_64           3/4
  Installing : php-5.4.16-46.amzn2.0.2.x86_64              4/4
  Verifying   : php-5.4.16-46.amzn2.0.2.x86_64              1/4
  Verifying   : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64   2/4
  Verifying   : php-cli-5.4.16-46.amzn2.0.2.x86_64          3/4
  Verifying   : php-common-5.4.16-46.amzn2.0.2.x86_64       4/4

Installed:
  php.x86_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5
  php-cli.x86_64 0:5.4.16-46.amzn2.0.2
  php-common.x86_64 0:5.4.16-46.amzn2.0.2

Complete!
[ec2-user@ip-172-31-20-42 ~]$ 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-172-31-20-42 ~]$ cd /var/www/html
[ec2-user@ip-172-31-20-42 html]$
```

Activate Windows
Go to Settings to activate Windows.

```
ec2-user@ip-172-31-20-42:/var/www/html/face
[ec2-user@ip-172-31-20-42 html]$ sudo mkdir face
[ec2-user@ip-172-31-20-42 html]$ cd face
[ec2-user@ip-172-31-20-42 face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-20-42 face]$ sudo php -d memory_limit=-1 ~/cmposer.phar require aws
aws-sdk-php
Usage: php [options] [-f] <file> [--] [args...]
       php [options] -r <code> [--] [args...]
       php [options] [-B <begin_code>] -R <code> [-E <end_code>] [--] [args...]
       php [options] [-B <begin_code>] -F <file> [-E <end_code>] [--] [args...]
       php [options] -- [args...]
       php [options] -a

-a                Run as interactive shell
-c <path>|<file>  Look for php.ini file in this directory
-n               No php.ini file will be used
-d foo[=bar]     Define INI entry foo with value 'bar'
-e              Generate extended information for debugger/profiler
-f <file>        Parse and execute <file>.
-h              This help
-i              PHP information
-l              Syntax check only (lint)
-m              Show compiled in modules
-r <code>        Run PHP <code> without using script tags <?..?>
-B <begin_code>  Run PHP <begin_code> before processing input lines
-R <code>        Run PHP <code> for every input line
-F <file>        Parse and execute <file> for every input line
-E <end_code>    Run PHP <end_code> after processing all input lines
-H              Hide any passed arguments from external tools.
-S <addr>:<port>  Run with built-in web server.
-t <docroot>     Specify document root <docroot> for built-in web server.
-S              Output HTML syntax highlighted source.
-v              Version number
-w              Output source with stripped comments and whitespace.
-z <file>        Load Zend extension <file>.

args...          Arguments passed to script. Use -- args when first argument
                 starts with - or script is read from stdin

--ini            Show configuration file names

--rf <name>      Show information about function <name>.
--rc <name>      Show information about class <name>.
--re <name>      Show information about extension <name>.
```

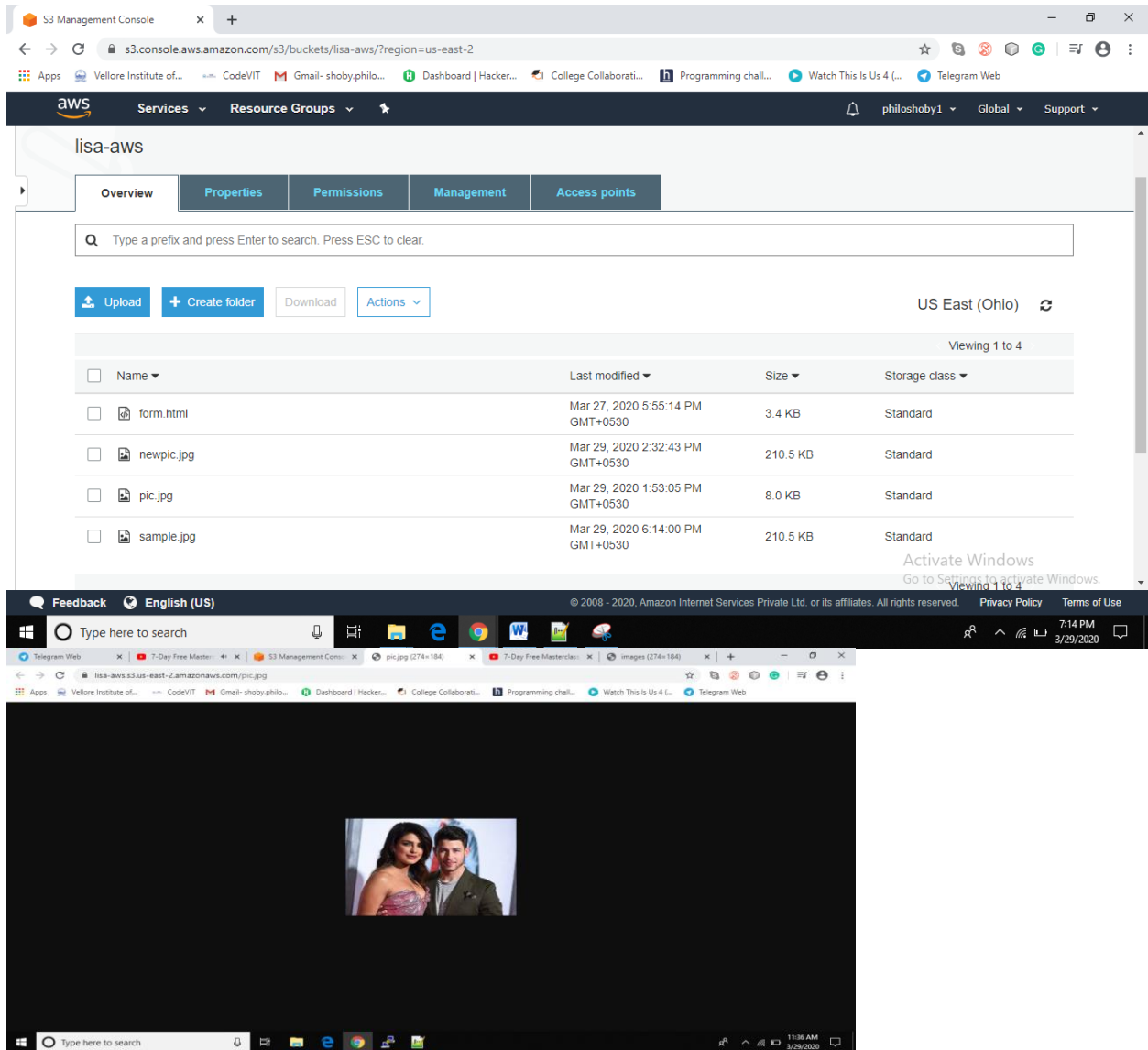
Activate Windows
Go to Settings to activate Windows.

```
ec2-user@ip-172-31-20-42:/var/www/html/face
[ec2-user@ip-172-31-20-42 face]$ sudo php -d memory_limit=1 ~/composer.phar require aws/aws-sdk-php
Using version ^2.0 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-172-31-20-42 face]$ sudo wget https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS0FkZ4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v
--2020-03-29 06:01:10-- https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS0FkZ4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v
Resolving encrypted-tbn0.gstatic.com (encrypted-tbn0.gstatic.com)... 216.58.192.142, 2607:f8b0:4009:807::200e
Connecting to encrypted-tbn0.gstatic.com (encrypted-tbn0.gstatic.com)|216.58.192.142|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 8216 (8.0K) [image/jpeg]
Saving to: 'images?q=tbn:ANd9GcS0FkZ4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v'

100%[=====>] 8,216 --.-K/s in 0s

2020-03-29 06:01:10 (76.5 MB/s) - 'images?q=tbn:ANd9GcS0FkZ4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v' saved [8216/8216]

[ec2-user@ip-172-31-20-42 face]$ sudo mv images?q=tbn:ANd9GcS0FkZ4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v pic.jpg
[ec2-user@ip-172-31-20-42 face]$ ls
composer.json composer.lock pic.jpg vendor
[ec2-user@ip-172-31-20-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-20-42 face]$ sudo php index.php
Image upload done... Here is the URL: https://lisa-aws.s3.us-east-2.amazonaws.com/pic.jpg[ec2-user@ip-172-31-20-42 face]$
```

Day 4:

```
ec2-user@ip-172-31-20-42:/var/www/html/face
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sun Mar 29 07:40:36 2020 from 42.109.131.104

 _ _ _ _ _
|_|  ( _|_ ) /
_|  \_|_|_|

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-20-42 ~]$ cd /var/www/html/face
[ec2-user@ip-172-31-20-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-20-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-20-42 face]$ sudo rm index.php
[ec2-user@ip-172-31-20-42 face]$ sudo vim index.php
[ec2-user@ip-172-31-20-42 face]$ ls
composer.json  composer.lock  pic.jpg       vendor
[ec2-user@ip-172-31-20-42 face]$ sudo vim tutor.php
[ec2-user@ip-172-31-20-42 face]$ sudo vim tutor.php
$bucket = 'lisa-aws';
$keyname = 'pic.jpg';

$s3 = S3Client::factory([
    'profile' => 'default',
    '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'
    ]);

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

```
ec2-user@ip-172-31-20-42:/var/www/html/face
$bucket = 'lisa-aws';
$keyname = 'pic.jpg';

$a3 = S3Client::factory([
    'profile' => 'default',
    'region' => 'us-east-2',
    'version' => '2006-03-01',
    'signature' => 'v4'
]);

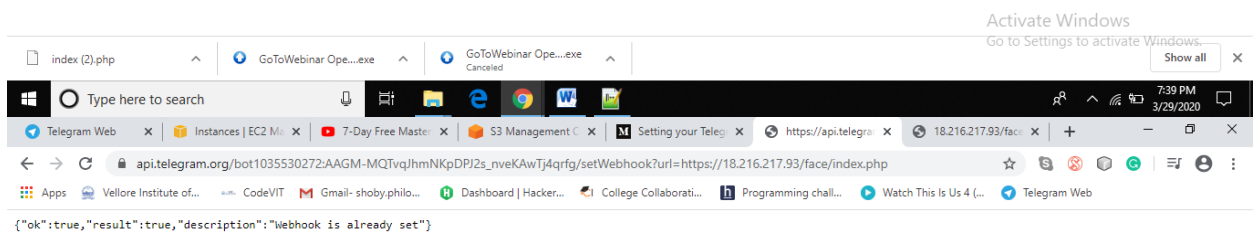
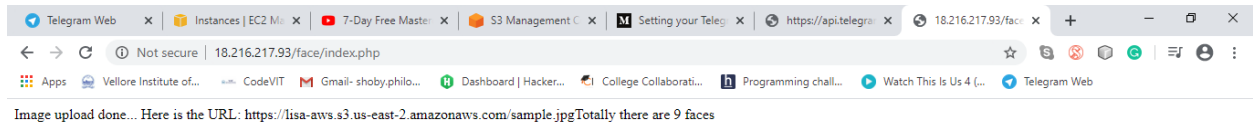
try {
    // Upload data.
    $result = $a3->putObject([
        'Bucket' => $bucket,
        'Key' => $keyname,
        'SourceFile' => __DIR__ . "/" . $keyname,
        'ACL' => 'public-read'
    ]);

    // 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',
        ]);
        $result = $rekognition->detectFaces([
            'Attributes' => ['DEFAULT'],
            'Image' => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name' => $keyname,
                    'Key' => $keyname,
                ],
            ],
        ]);
        echo "Total detected faces : ".count($result["FaceDetails"]);
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

"tutor.php" 71L, 1597C
70,1-8 Bot
```

```
ec2-user@ip-172-31-20-42:/var/www/html/face
$0 /var/www/html/face/index.php(43): Aws\Common\Client\AbstractClient->__construct(Array)
#1 (main)
  thrown in /var/www/html/face/vendor/aws/aws-sdk-php/src/Aws/Common/Client/AbstractClient.php on line 73
[ec2-user@ip-172-31-20-42 face]$
[ec2-user@ip-172-31-20-42 face]$
[ec2-user@ip-172-31-20-42 face]$
[ec2-user@ip-172-31-20-42 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-172-31-20-42 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: error: /var/swap.1 is mounted; will not make swapspace
[ec2-user@ip-172-31-20-42 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version ^3.133 for aws/aws-sdk-php
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 7 installs, 1 update, 0 removals
- Installing symfony/polyfill-mbstring (v1.15.0): Downloading (100%)
- Installing mtdowling/jmespath.php (2.5.0): Downloading (100%)
- Installing guzzlehttp/promises (v1.3.1): Downloading (100%)
- Installing calouphen/getallheaders (3.0.3): Downloading (100%)
- Installing psr/http-message (1.0.1): Downloading (100%)
- Installing guzzlehttp/psr7 (1.6.1): Downloading (100%)
- Installing guzzlehttp/guzzle (6.5.2): Downloading (100%)
- Updating aws/aws-sdk-php (2.8.31 => 3.133.46): Downloading (100%)
guzzlehttp/psr7 suggests installing zendframework/zend-http-handlerrunner (Emit PSR-7 responses)
guzzlehttp/guzzle suggests installing psr/log (Required for using the Log middleware)
guzzlehttp/guzzle suggests installing ext-intl (Required for Internationalized Domain Name (IDN) support)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
1 package you are using is looking for funding.
Use the 'composer fund' command to find out more!
[ec2-user@ip-172-31-20-42 face]$ sudo php index.php
Image upload done... Here is the URL: https://lisa-aws.s3.us-east-2.amazonaws.com
[ec2-user@ip-172-31-20-42 face]$ sudo php index.php
Image upload done... Here is the URL: https://lisa-aws.s3.us-east-2.amazonaws.com/sample.jpg
Totally there are 9 faces[ec2-user@ip-172-31-20-42 face]$
Activate Windows
Go to Settings to activate Windows.
3:13 PM
3/29/2020
```



Amazon Rekognition

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

[Try Demo](#)
[Download SDKs](#)

Easily Integrate Powerful Visual Analysis into Your App
You don't need computer vision or deep learning expertise to take advantage of Rekognition's high quality image and video analysis.

Continuously Learning
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new features.

Integrated with AWS Services
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build custom applications.

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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

Choose a sample image

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

[Upload](#) or drag and drop

Use image URL [Go](#)

Results

| | |
|---------------------|-------------------|
| looks like a face | 99.9 % |
| appears to be male | 96.1 % |
| age range | 31 - 47 years old |
| smiling | 98.9 % |
| appears to be happy | 96.1 % |
| not wearing glasses | 99.7 % |

[Show more](#)

Request

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

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Rekognition Console

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

Services Resource Groups

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

Choose a sample image

Use your own image

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

Upload or drag and drop

Use image URL Go

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

Results

| | |
|----------------|--------|
| Human | 99.8 % |
| Person | 99.8 % |
| Truck | 97.9 % |
| Vehicle | 97.9 % |
| Transportation | 97.9 % |
| Bus | 90.8 % |

Show more

Request

Response

Activate Windows
Go to Settings to activate Windows.

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Type here to search

Rekognition Console

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

Services Resource Groups

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

Choose a sample image

Use your own image


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

Upload or drag and drop

Use image URL Go

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

Results

 **Tom Cruise**
[Learn More](#)

Match confidence 86 %

Request

Response

Activate Windows
Go to Settings to activate Windows.

Rekognition Console

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


Services Resource Groups

philoshoby1 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


Reference face




Comparison faces



Choose a sample image




Choose a sample image





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

Results



Similarity 93.4 %



Feedback English (US)

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7:31 PM 3/29/2020

Rekognition Console

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


Services Resource Groups

philoshoby1 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

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



Choose a sample image



Use your own image

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

[Upload](#) or drag and drop

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

Results US English only

.P |
OPHOORAPHY |
G |
AP |

Request

Response

Activate Windows
Go to Settings to activate Windows.

Feedback English (US)

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7:32 PM 3/29/2020