

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 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.
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8. This AMI is also shown with details about its EBS-backed nature and included tools like Docker, PHP, MySQL, PostgreSQL, and Java.

The bottom of the console shows the 'Feedback' section, 'English (US)' language setting, and the copyright notice '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.' along with links to 'Privacy Policy' and 'Terms of Use'.

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:

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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

FeedbackEnglish (US)

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Launch instance wizard | EC2 Ma

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

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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

Launch instance wizard | EC2 Ma

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

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

Step 6: Configure Security Group

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

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

Security group name:

Description:

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

[Add Rule](#)

Warning

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

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

Go to Settings to activate Windows.

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Launch instance wizard | EC2 Ma

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

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

Step 7: Review Instance Launch

AMI Details

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

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-2
---------------------	-----------------

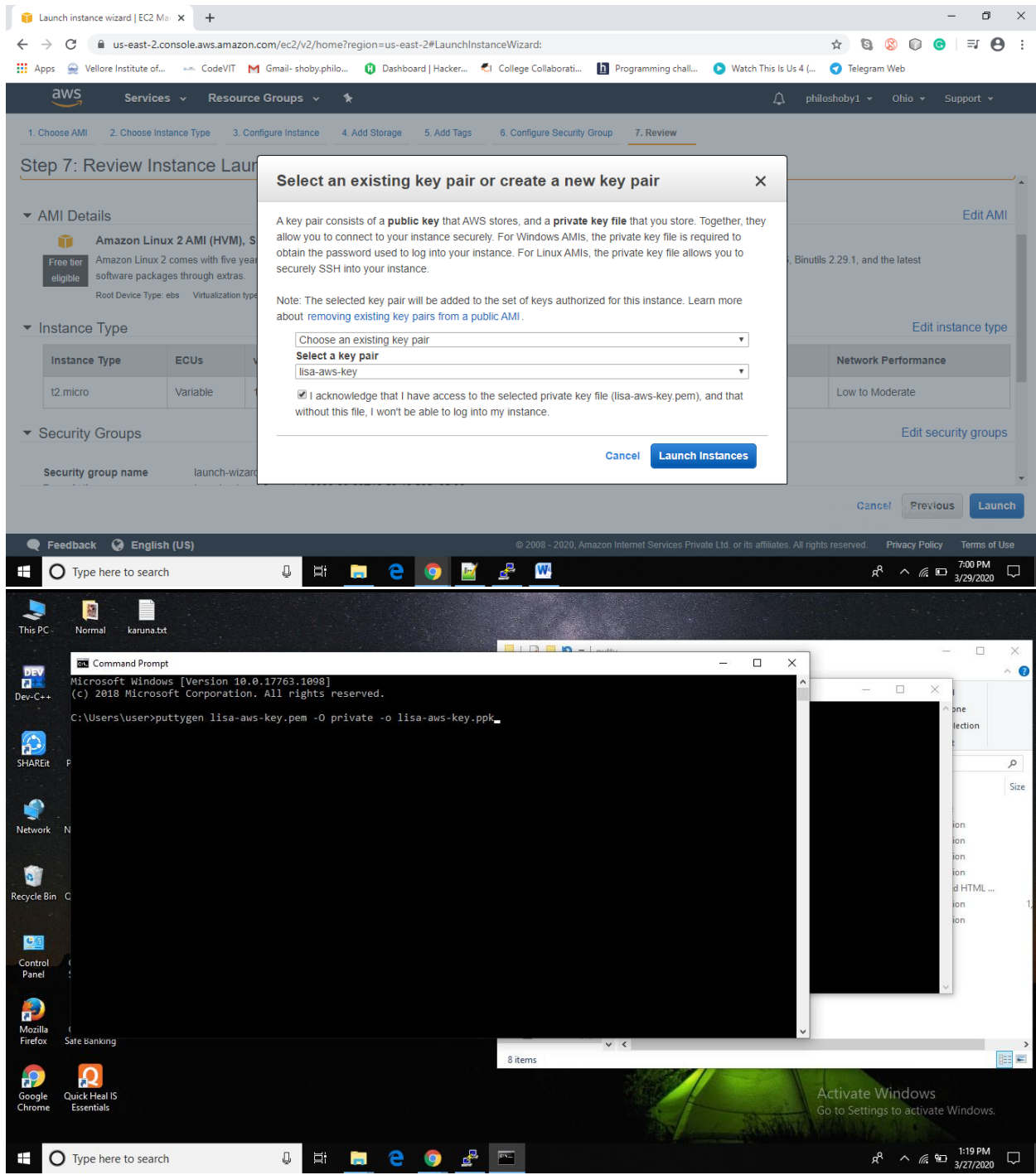
[Edit AMI](#)

[Edit instance type](#)

[Edit security groups](#)

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

Go to Settings to activate Windows.



Instances | EC2 Management Console

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

aws Services Resource Groups

New EC2 Experience Tell us what you think

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-east-2.compute.amazonaws.com

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

Description Status Checks Monitoring Tags

Instance ID i-065c3b729af03a98a Public DNS (IPv4) ec2-18-216-217-93.us-east-2.compute.amazonaws.com

Instance state running IPv4 Public IP 18.216.217.93

Instance type t2.micro IPv6 IPs -

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

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

Private IPs 172.31.20.42 Security groups launch-wizard-1. [view inbound rules.](#) [view outbound rules](#)

Secondary private IPs Scheduled events No scheduled events

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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=instanceId

aws 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-east-2.compute.amazonaws.com

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

Description Status Checks Monitoring Tags

Instance ID i-065c3b729af03a98a Public DNS (IPv4) ec2-18-216-217-93.us-east-2.compute.amazonaws.com

Instance state running IPv4 Public IP 18.216.217.93

Instance type t2.micro IPv6 IPs -

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

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

Private IPs 172.31.20.42 Security groups launch-wizard-1. [view inbound rules.](#) [view outbound rules](#)

Secondary private IPs Scheduled events No scheduled events

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Type here to search

Putty Configuration

Category: Session

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

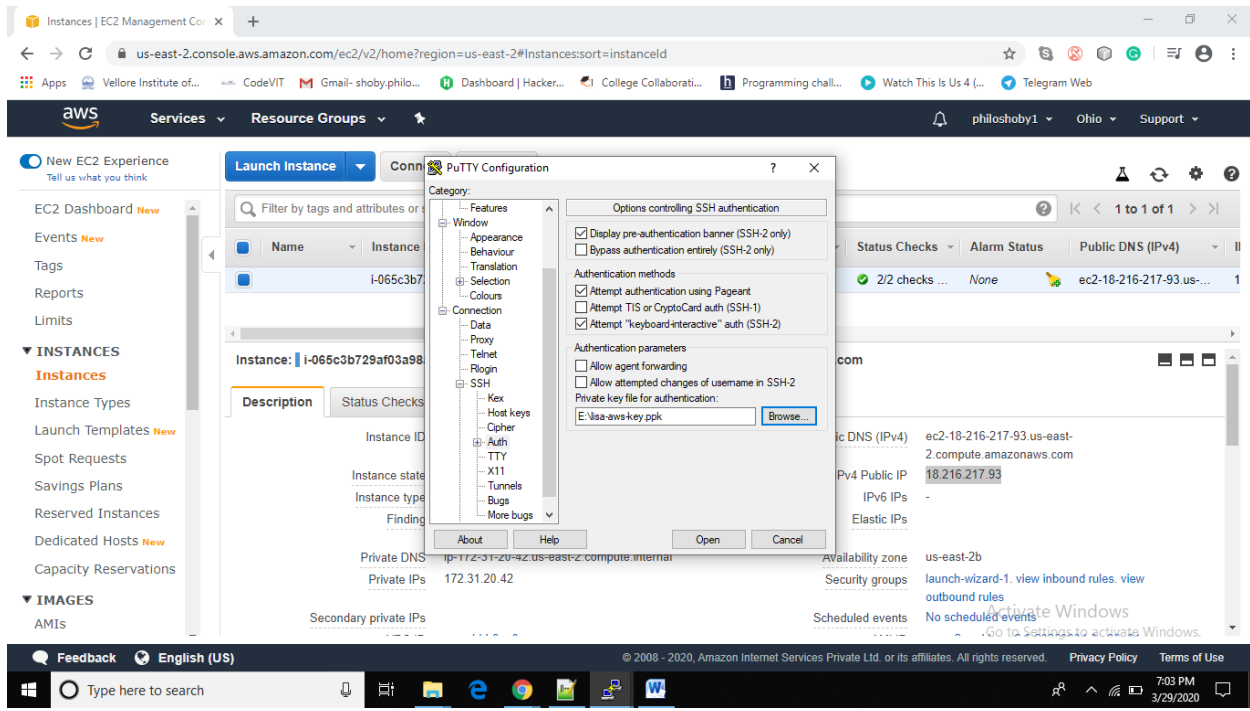
Saved Sessions

Default Settings

Load Save Delete

Close window on exit: ☐ Always ☐ Never ☒ Only on clean exit

About Help Open Cancel



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

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EC2 Management Console x 3.12.102.185

Not secure | 3.12.102.185

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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

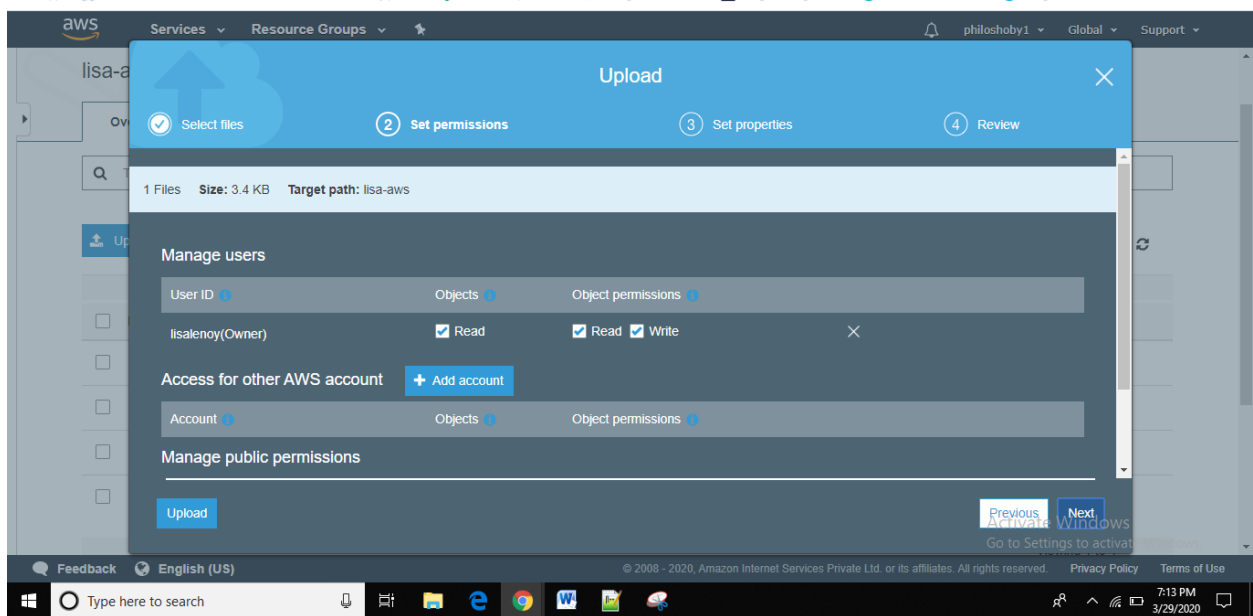
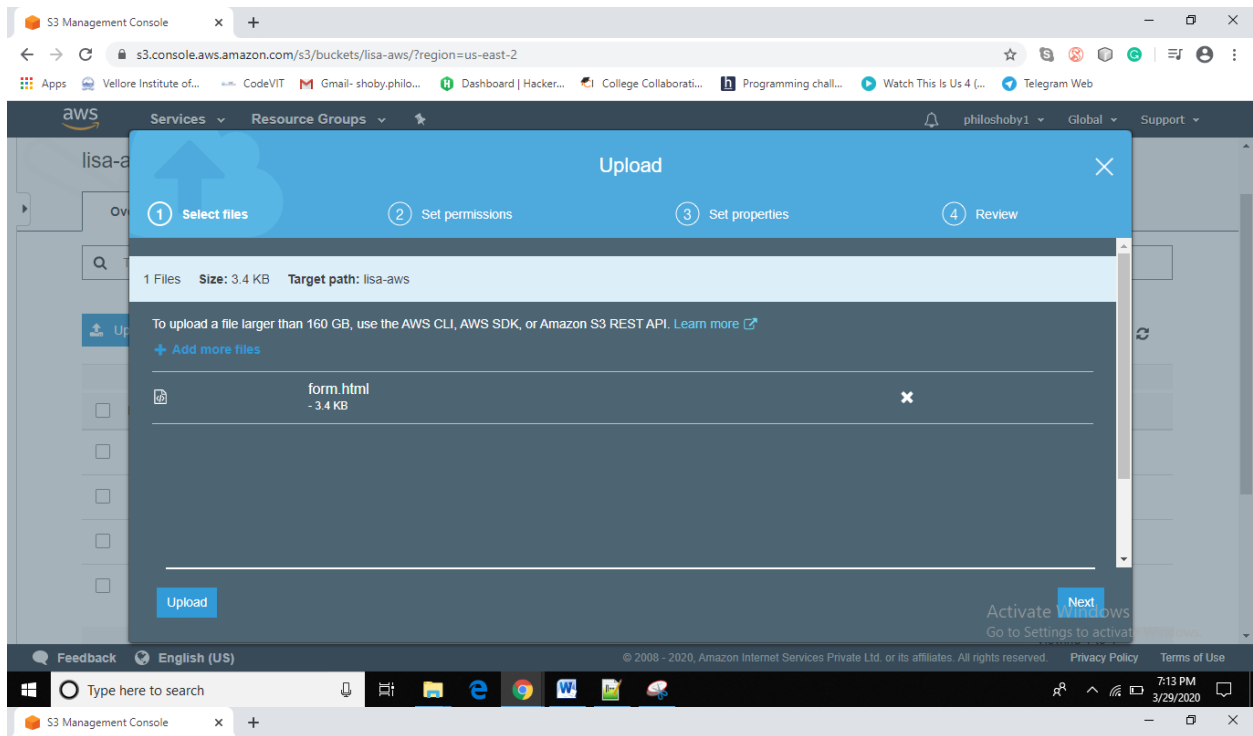
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access 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](#)

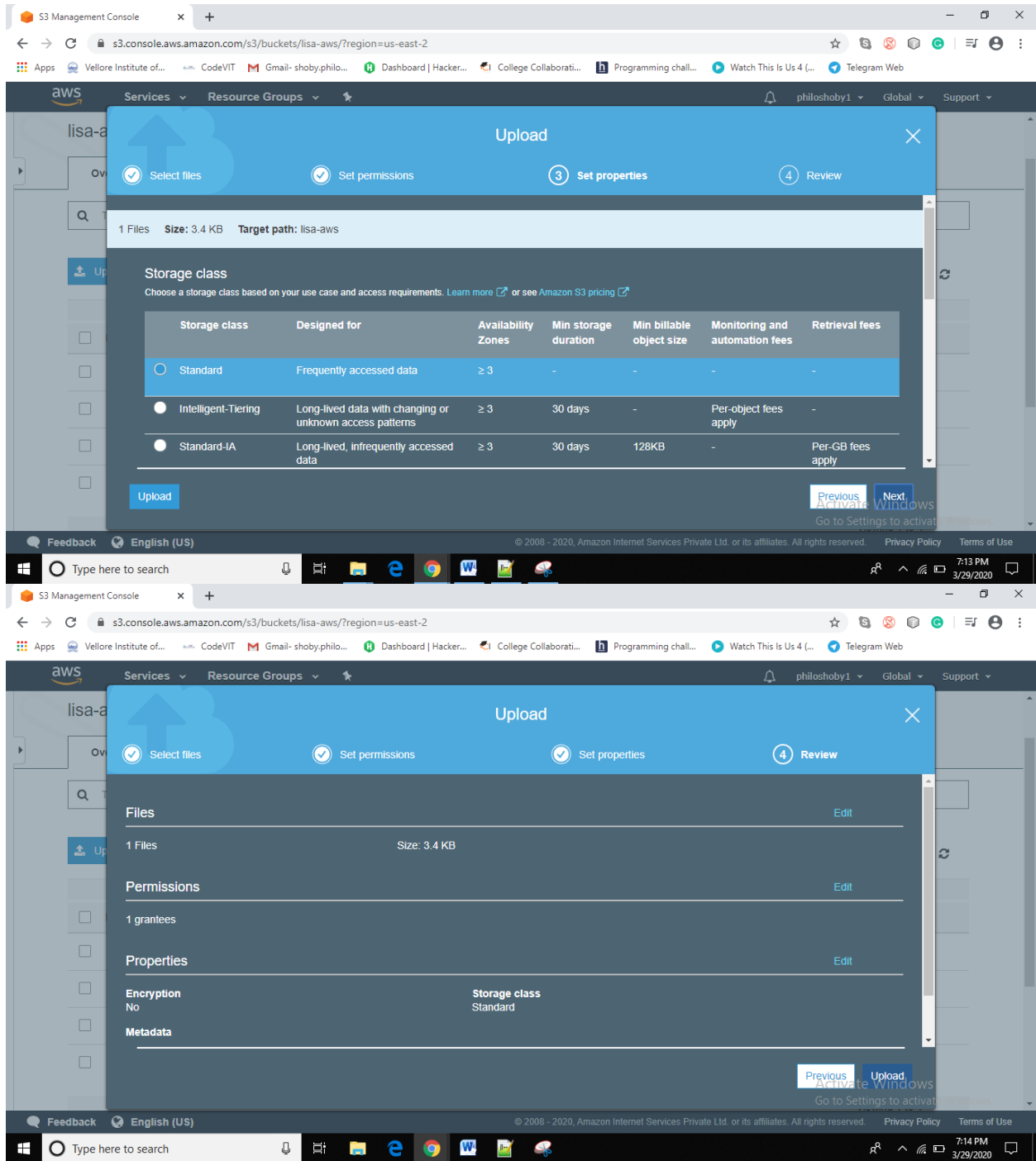
☒ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

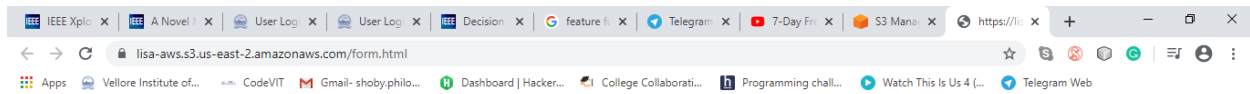
Amazon S3

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



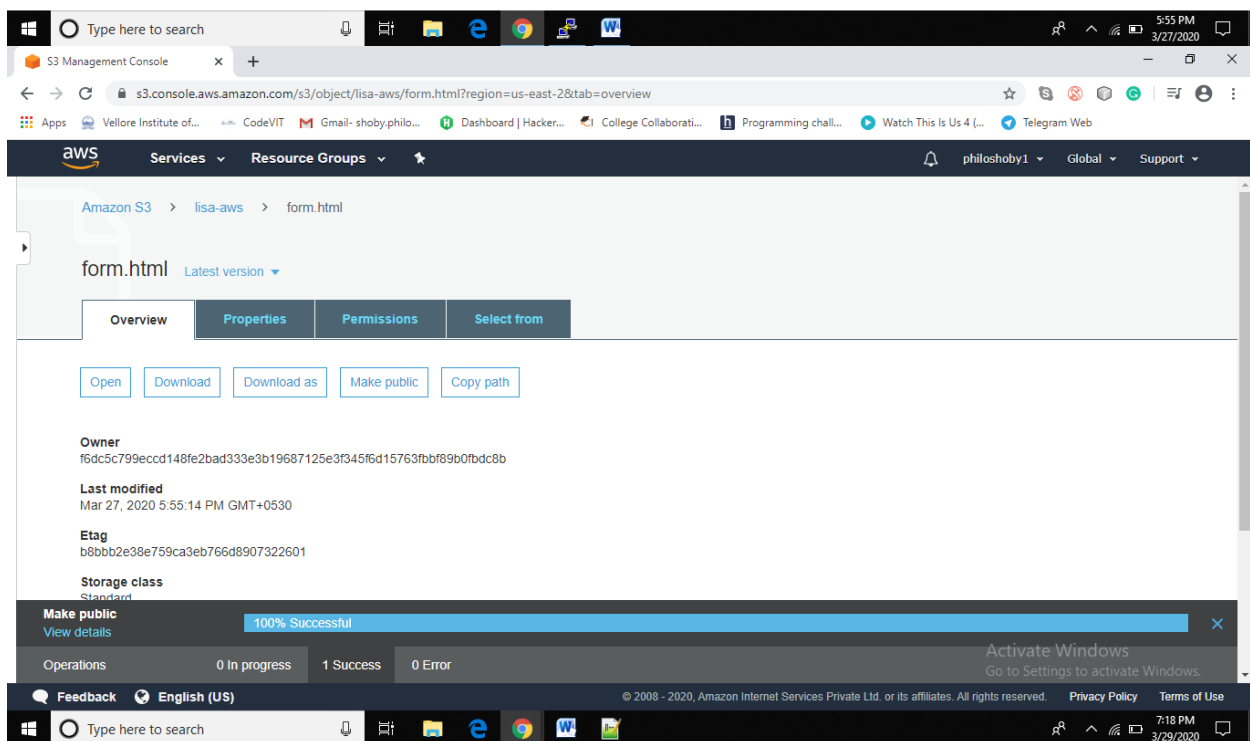




This XML file does not appear to have any style information associated with it. The document tree is shown below:

```
<?xml version="1.0" encoding="UTF-8" ?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>6C6DC673733717FC</RequestId>
  <HostId>
    9VgFDKq1C4hmgHT1ZfdBEA8NKOGtsbuzz/Ng/DvZ1nRG56WQEO6ZnZzuCXvFIcPhuVJLzlineC/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

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Block public accessAccess Control ListBucket PolicyCORS 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

Edit

FeedbackEnglish (US)

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Type here to search

IEEE Xp IEEE A Nov... User Lo... User Lo... IEEE Decisio...G feature...Telegra...7-E...S3 Mar...lisa-aw...guvi - C...+ -

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

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First name *Last name *

Email *

Portfolio website

http://

Position you are applying for *

Salary requirementsWhen 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](#)

Activate Windows

Go to Settings to activate Windows.

6:30 PM3/27/2020

DAY 3

[illegible]

```
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>.
```

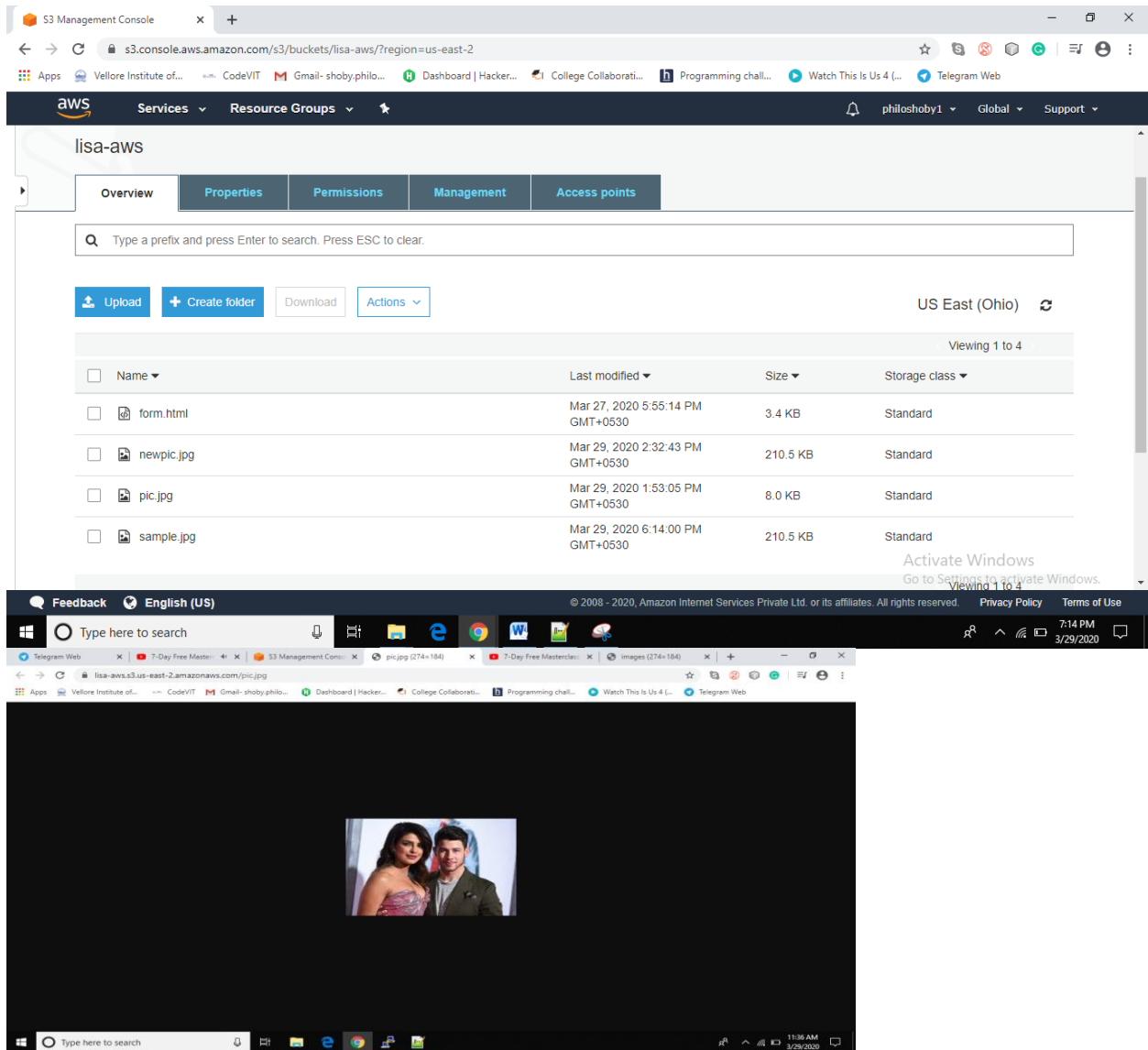
Activate Windows
Go to Settings to activate Windows.


```
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:ANd9GcS0Fz4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v
--2020-03-29 06:01:10-- https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS0Fz4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_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:ANd9GcS0Fz4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v'

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

2020-03-29 06:01:10 (76.5 MB/s) - 'images?q=tbn:ANd9GcS0Fz4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_9PmD8v' saved [8216/8216]

[ec2-user@ip-172-31-20-42 face]$ sudo mv images?q=tbn:ANd9GcS0Fz4i5nLJJZZGYSacksFY0Gn0JlblUeWt9aNH65kD_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/mwvnc
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'
]);

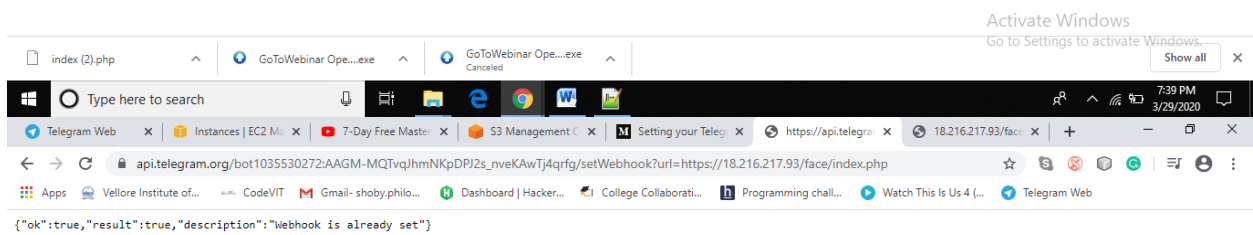
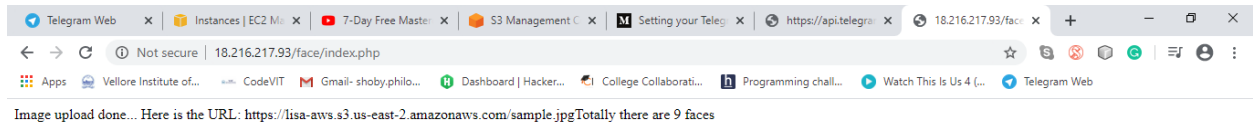
try {
    // Upload data.
    $result = $a3->putObject([
        'Bucket' => $bucket,
        'Key' => $keyname,
        'SourceFile' => __DIR__ . "/" . $keyname,
        'ACL' => 'public-read'
    ]);

    // 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 calouphque/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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Amazon 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

Amazon Rekognition Console

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

Services Resource Groups

Amazon Rekognition

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Use Custom Labels

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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
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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 %



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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
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 - 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