

# Kumar Gaurav 20122065

## CAT – 1 lab Exam

25-09-2021

1. Create an AWS EC2 Instance (Windows) and create a backup of the instance.

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-021b21337a2efb1ea (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

Domain join directory: No directory [Create new directory](#)

IAM role: None [Create new IAM role](#)

Shutdown behavior: Stop

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

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

Launch Status

Your instances are now launching

The following instance launches have been initiated: i-0582bb2fcba805d0e [View launch log](#)

Volumes > Create Volume

## Create Volume

Volume created successfully

Volume ID vol-0f87495410c226fed

Close

### Attach Volume

Volume vol-0f87495410c226fed in us-east-1b  
Instance i-0582bb2fcb805d0e in us-east-1b  
Device /dev/sdf  
Linux Devices: /dev/sdf through /dev/sdp

Note: Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

Cancel Attach

Snapshots > Create Snapshot

## Create Snapshot

Create Snapshot Request Succeeded

snap-0f56378b270e788af

Manage Fast Snapshot Restore Close

Create Snapshot

Actions

Owned By Me

Filter by tags and attributes or search by keyword

<<

<

1 of 1

>

>>

<input type="checkbox"/>	Name	Snapshot ID	Size	Description	Status	Started	Progress
<input checked="" type="checkbox"/>		snap-0f56378b270e...	1 GiB	cat1	<div>completed</div>	September 25, 2021 at 10:2...	available (100%)

An e

https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#Snapshots:sort=snapshotid

Services Search for services, features, marketplace products, and docs [Alt+S]

voclabs/user1593585=Kumar\_Gaurav @ 3007-4542-7994 N. Virginia Support

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Key Generator

Conversions Help

Copy for pasting into OpenSSH authorized\_keys file:

```
AAAAB3NzaC1yc2EAAAADAQABAAQCVWST1I+UPkeSOHuM/mkCZ4pSCd/TfH2TFqdI3W/VmcXK4pkezwyp
AgGtVbqRza0FVqpkRL0LLUmckSbZnI/0BdONQ1DVOvKYYCgA2etaeVas5ZbPb8AE9GxGfQ
tV/uXaUFI0dazfxKvPnSL/UgWIGDbowdSEQ81YPhoGDpds9ZEcLTOEAULQmkseeWXCsl
```

Imported-openssh-key

Generate

Load

Save public key

Save private key

Putty Configuration

Category:

- Session
- Logging
- Terminal
- Keyboard
- Port
- Features
- Window
- Appearance
- Behaviour
- Translation
- Selection
- Colours
- Connection
- Data
- Proxy
- SSH
- Serial
- Telnet
- Rlogin
- SUPDUP

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) 3.85.128.13

Port 22

Connection type: ☒ SSH ☐ Serial ☐ Other: Telnet

Load, save or delete a stored session

Saved Sessions

Default Settings

Load

Save

Delete

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

Open Cancel

Progress 100%

Capacity 1 GiB

Encryption Not Encrypted

KMS Key ID

Started September 25, 2021 at 10:27:44 AM UTC+5:30

ec2-user@ip-172-31-89-169:~

login as: ec2-user

Authenticating with public key "imported-openssh-key"

Amazon Linux 2 AMI

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

All package(s) needed for security, out of 35 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-172-31-89-169 ~]\$

Generate

Load

Save public key

Save private key

Progress 100%

Capacity 1 GiB

Encryption Not Encrypted

KMS Key ID

Started September 25, 2021 at 10:27:44 AM UTC+5:30

```
Replaced:
grub2.x86_64 1:2.06-2.amzn2.0.3          grub2-tools.x86_64 1:2.06-2.amzn2.0.3

Complete!
[ec2-user@ip-172-31-89-169 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        482M   0  482M   0% /dev
tmpfs           492M   0  492M   0% /dev/shm
tmpfs           492M 464K  492M   1% /run
tmpfs           492M   0  492M   0% /sys/fs/cgroup
/dev/xvda1     10G  1.7G   8.4G  17% /
tmpfs           99M   0   99M   0% /run/user/0
tmpfs           99M   0   99M   0% /run/user/1000
[ec2-user@ip-172-31-89-169 ~]$
```

```
[ec2-user@ip-172-31-89-169 ~]$ ls
[ec2-user@ip-172-31-89-169 ~]$ mkdir gorav
[ec2-user@ip-172-31-89-169 ~]$ cd gorav
[ec2-user@ip-172-31-89-169 gorav]$ sudo mkfs -t ext3/dev/sdf

Usage:
mkfs [options] [-t <type>] [fs-options] <device> [<size>]

Make a Linux filesystem.

Options:
-t, --type=<type>  filesystem type; when unspecified, ext2 is used
fs-options         parameters for the real filesystem builder
<device>          path to the device to be used
<size>            number of blocks to be used on the device
-V, --verbose      explain what is being done;
                   specifying -V more than once will cause a dry-run
-V, --version      display version information and exit;
                   -V as --version must be the only option
-h, --help         display this help text and exit

For more details see mkfs(8).
[ec2-user@ip-172-31-89-169 gorav]$
```

```
Options:
-t, --type=<type>  filesystem type; when unspecified, ext2 is used
fs-options         parameters for the real filesystem builder
<device>          path to the device to be used
<size>            number of blocks to be used on the device
-V, --verbose      explain what is being done;
                   specifying -V more than once will cause a dry-run
-V, --version      display version information and exit;
                   -V as --version must be the only option
-h, --help         display this help text and exit

For more details see mkfs(8).
[ec2-user@ip-172-31-89-169 gorav]$ sudo mkdir/mnt/data-store2
```

## QUESTION -2

2. Create a Static Web page and Host it in AWS Cloud provide public access to the website.

aws

Services

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[Alt+S]

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Global

Amazon S3 > Create bucket

Create bucket

Info

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name

myawsbucket

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

AWS Region

US East (N. Virginia) us-east-1

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

Choose bucket

Block Public Access settings for this bucket

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.

aws

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Global

Support

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Successfully created bucket "kgaurav"

To upload files and folders, or to configure additional bucket settings choose [View details](#).

View details

Amazon S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (1)

Info

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

	Name	AWS Region	Access	Creation date
<input type="radio"/>	kgaurav	US East (N. Virginia) us-east-1	Bucket and objects not public	September 25, 2021, 11:49:02 (UTC+05:30)

aws

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Global

Support

Upload succeeded

View details below.

Close

Upload: status

The information below will no longer be available after you navigate away from this page.

Summary

Destination

s3://kgaurav

Succeeded

1 file, 99.4 KB (100.00%)

Failed

0 files, 0 B (0%)

aws

Services

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Global

Support

Amazon S3 > kgaurav > dee61822eff2c19e50f746407bd38a36.jpg

dee61822eff2c19e50f746407bd38a36.jpg

Copy S3 URI

Download

Open

Object actions

Properties

Permissions

Versions

Object overview

Owner

awslabs0w2821586t1632377522

AWS Region

US East (N. Virginia) us-east-1

Last modified

September 25, 2021, 11:51:02 (UTC+05:30)

Size

99.4 KB

Type

jpg

Key

S3 URI

s3://kgaurav/dee61822eff2c19e50f746407bd38a36.jpg

Amazon Resource Name (ARN)

arn:aws:s3::kgaurav/dee61822eff2c19e50f746407bd38a36.jpg

Entity tag (Etag)

e9c0b14f5dc78c004f69b2843a9d6814

Object URL

https://kgaurav.s3.amazonaws.com/dee61822eff2c19e50f746407bd38a36.jpg

Feedback

English (US)

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Successfully edited Block Public Access settings for this bucket.

Amazon S3 > kgaurav

kgaurav

Info

Objects

Properties

Permissions

Metrics

Management

Access Points

Permissions overview

Access

Objects can be public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure 1 access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before apply 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 s

Edit

Upload template





Amazon S3 > kgaurav > Upload

## Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

### Files and folders (57 Total, 215.0 KB)

All files and folders in this table will be uploaded.

< 1 2 3 4 5 6 >

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	1.gif	news-magazine/images/demo	image/gif	971.0 B
<input type="checkbox"/>	100x100.gif	news-magazine/images/demo	image/gif	609.0 B
<input type="checkbox"/>	190x130.gif	news-magazine/images/demo	image/gif	799.0 B



Amazon S3 > kgaurav

## kgaurav [Info](#)

**Objects** | Properties | Permissions | Metrics | Management | Access Points

### Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	dee61822eff2c19e50f746407bd38a36.jpg	jpg	September 25, 2021, 11:51:02 (UTC+05:30)	99.4 KB	Standard
<input type="checkbox"/>	news-magazine/	Folder	-	-	-

← → ↻ <https://s3.console.aws.amazon.com/s3/buckets/kgaurav?region=us-east-1&tab=properties> ☆ 📄 🗑️ ⚙️ ⓘ

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Amazon S3 ×

Successfully edited static website hosting.

Amazon S3 > kgaurav

### kgaurav

Info

Objects Properties Permissions Metrics Management Access Points

#### Bucket overview

AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN) arn:aws:s3::kgaurav	Creation date September 25, 2021, 11:49:02 (UTC+05:30)
---	---	---

#### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Edit

Bucket Versioning  
Disabled

← → ↻ [https://s3.console.aws.amazon.com/s3/buckets/kgaurav/object/edit\\_public\\_read\\_access?region=us-east-1&showversions=false](https://s3.console.aws.amazon.com/s3/buckets/kgaurav/object/edit_public_read_access?region=us-east-1&showversions=false) ☆ 📄 🗑️ ⚙️ ⓘ

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Amazon S3 > kgaurav > Make public

### Make public

Info

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#)

- When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.
- This action applies to all objects within the specified folders. Objects added to these folders while the action is in progress might be affected.

#### Specified objects

Find objects by name

Name	Type	Last modified	Size
news-magazine/	Folder	-	-

Cancel Make public

← → ↻ <https://s3.console.aws.amazon.com/s3/object/kgaurav?region=us-east-1&prefix=news-magazine/index.html> ☆ 📄 🗑️ ⚙️ ⓘ

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Amazon S3 ×

Amazon S3 > kgaurav > news-magazine/ > index.html

### index.html

Info

Copy S3 URI Download Open Object actions

Properties Permissions Versions

#### Object overview

Owner awsabsc0w2821586t1632377522	S3 URI s3://kgaurav/news-magazine/index.html
AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN) arn:aws:s3::kgaurav/news-magazine/index.html
Last modified September 25, 2021, 12:35:09 (UTC+05:30)	Entity tag (Etag) 81498f2f8f4e9a52f27b3849cbe4d9fd
Size 14.3 KB	Object URL <a href="https://kgaurav.s3.amazonaws.com/news-magazine/index.html">https://kgaurav.s3.amazonaws.com/news-magazine/index.html</a>
Type html	



## Open via public URL in Incognito tab

News Magazine

https://kgaurav.s3.amazonaws.com/news-magazine/index.html

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1

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12345

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100 x 100px

468 x 60px468 x 60px

News Magazine | Style Demo

https://kgaurav.s3.amazonaws.com/news-magazine/pages/style-demo.html

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You Are Here > Home > Grand Parent > Parent > Child

<h1> to <h6> - Headline Colour and Size Are All The Same

Aliquatjusto quisque nam consequat dolorem vest orna partur scetur portortis nam.   
Metadipiscing eget facilis elit sagittis felis eger id justo maurisus convallitur.   
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Table(s)

Header 1	Header 2	Header 3	Header 4
Value 1	Value 2	Value 3	Value 4
Value 5	Value 6	Value 7	Value 8

Float Left

Float Right

Secondary Navigation

Navigation - Level 1

Navigation - Level 1

Navigation - Level 2

Navigation - Level 2

Navigation - Level 1

Navigation - Level 2

Navigation - Level 2

Navigation - Level 3

Navigation - Level 3

Navigation - Level 1