

Lab 1:

1. Setting up AWS free tier account
2. Launch an EC2 instance

Instance Name: **MyWindowsDemo**

Amazon Machine Image: **Windows Server 2022 Base**

Instance Type: **t2.micro**

[EC2](#) > [Instances](#) > [Launch an instance](#)

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name


[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)


An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

 Search our full catalog including 1000s of application and OS images


Quick Start




Amazon Linux




macOS




Ubuntu



Windows



Red Hat



[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2022 Base Free tier eligible
ami-0e38fa17744b2f6a5 (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

| | | |
|--------------|-----------------------|-----------------------------------|
| Architecture | AMI ID | |
| 64-bit (x86) | ami-0e38fa17744b2f6a5 | Verified provider |


▼ Instance type [Info](#)

Instance type

| | | |
|----------------------------|---------------------------|--------------|
| t2.micro | Free tier eligible | |
| Family: t2 | 1 vCPU | 1 GiB Memory |
| On-Demand Windows pricing: | 0.0162 USD per Hour | |
| On-Demand Linux pricing: | 0.0116 USD per Hour | |
| On-Demand RHEL pricing: | 0.0716 USD per Hour | |
| On-Demand Linux pricing: | 0.0116 USD per Hour | |

[Compare instance types](#)

[EC2](#) > [Instances](#) > Launch an Instance

 **Success**
Successfully initiated launch of Instance (i-05acd04f574a9e1d)
[▶ Launch log](#)

3. Launch EC2 instances in multiple regions and AZs

Instance Name: **MyWindowsDemo**

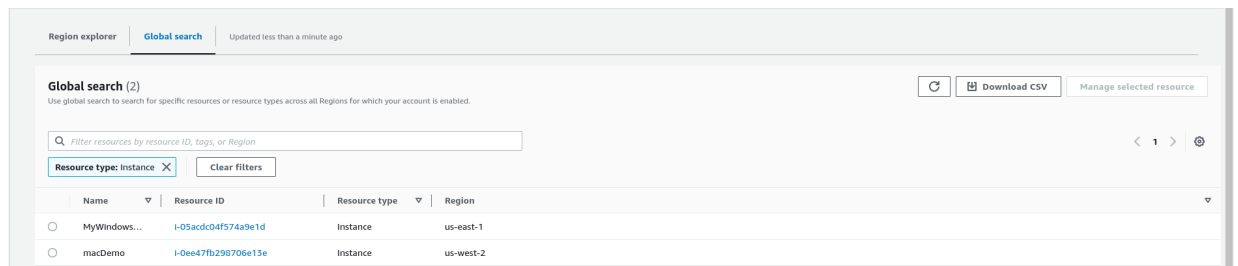
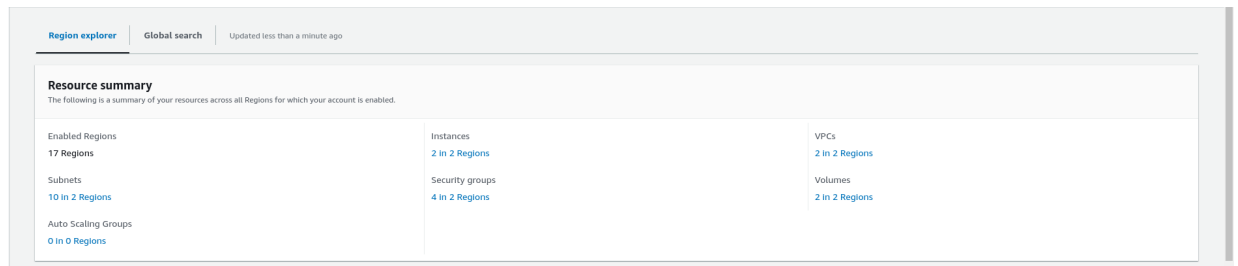
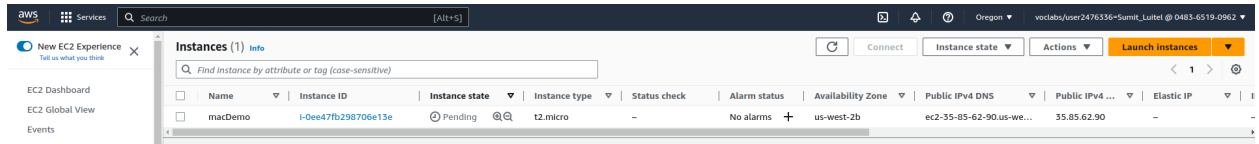
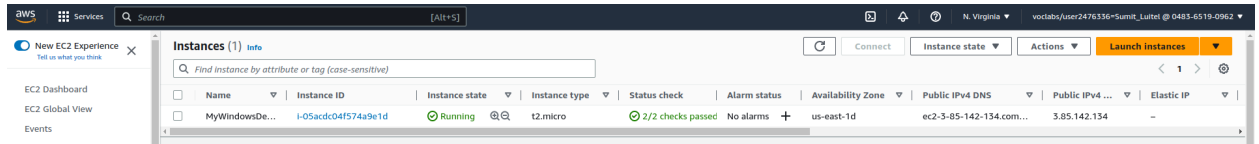
Region: **N. Virginia**

Availability Zone: **us-east-1d**

Instance Name: **macDemo**

Region: **Oregon**

Availability Zone: **us-west-2b**



4. Store and Retrieve a File with Amazon S3

General configuration

Bucket name

myawsbucket-demo1

Bucket name must be globally 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

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Successfully created bucket "mybucketdemo-001"

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

Amazon S3 > Buckets

Account snapshot

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

View Storage Lens dashboard

Buckets (1)

Info

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

Find buckets by name

Copy ARN

Empty

Delete

Create bucket

| Name | AWS Region | Access | Creation date |
|------------------|---------------------------------|-------------------------------|--------------------------------------|
| mybucketdemo-001 | US East (N. Virginia) us-east-1 | Bucket and objects not public | March 26, 2023, 21:11:36 (UTC+05:45) |



Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

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

General configuration

Bucket name

mybucketdemo-001

Bucket name must be globally 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



Uploading

Cancel

Total remaining: 1 file, 3.0 MB (83.22%)
Estimated time remaining: a few seconds
Transfer rate: 154.9 KB/s

17%

Upload: status

Close

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

Summary

Destination
s3://mybucketdemo-001

Succeeded
1 file, 613.6 KB (16.78%)

Failed
0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (2 Total, 3.6 MB)

Find by name

| Name | Folder | Type | Size | Status | Error |
|------------------------------|--------|---|----------|--------------------|-------|
| Intro to Cloud - AWS v1.pptx | - | application/vnd.openxmlformats-officedocument.presentationml.presentation | 613.6 KB | Succeeded | - |
| smudge_cat.png | - | image/png | 3.0 MB | In Progress (100%) | - |

Upload succeeded
View details below.

Upload: status

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

Summary

Destination

s3://mybucketdemo-001

Succeeded

2 files, 3.6 MB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (2 Total, 3.6 MB)

Find by name

| Name | Folder | Type | Size | Status | Error |
|------------------------------|--------|---|----------|-----------|-------|
| Intro to Cloud - AWS v1.pptx | - | application/vnd.openxmlformats-officedocument.presentationml.presentation | 613.6 KB | Succeeded | - |
| smudge_cat.png | - | image/png | 3.0 MB | Succeeded | - |

Services

Search

[Alt+S]

Global

voctabs/user2476336-Sumit_Lattat @ 2502-5015-1803

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3 > Buckets > mybucketdemo-001 > Intro to Cloud - AWS v1.pptx

Copy S3 URI

Download

Open

Object actions

Intro to Cloud - AWS v1.pptx

PropertiesPermissionsVersions

Object overview

Owner

aws:labsc0w136064t1548244587

AWS Region

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

Last modified

March 26, 2023, 21:18:56 (UTC+05:45)

Size

613.6 KB

Type

pptx

Key

Intro to Cloud - AWS v1.pptx

S3 URI

s3://mybucketdemo-001/Intro to Cloud - AWS v1.pptx

Amazon Resource Name (ARN)

arn:aws:s3::mybucketdemo-001/Intro to Cloud - AWS v1.pptx

Entity tag (ETag)

06470f636b6aea1522e8d2cb25091a3

Object URL

https://mybucketdemo-001.s3.amazonaws.com/Intro+to+Cloud+-+AWS+v1.pptx

Object management overview

Services

Search

[Alt+S]

Global

voctabs/user2476336-Sumit_Lattat @ 2502-5015-1803

Amazon S3

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Feature spotlight

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Amazon S3 > Buckets > mybucketdemo-001

mybucketdemo-001

ObjectsPropertiesPermissionsMetricsManagementAccess 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](#)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

| Name | Type | Last modified |
|------------------------------|------|--------------------------------------|
| Intro to Cloud - AWS v1.pptx | pptx | March 26, 2023, 21:18:56 (UTC+05:45) |
| smudge_cat.png | png | March 26, 2023, 21:18:56 (UTC+05:45) |

Download as

Share with a presigned URL

Calculate total size

Copy

Move

Initiate restore

Query with S3 Select

Edit actions

Rename object

Edit storage class

Edit server-side encryption

Edit metadata

Edit tags

Size

Storage class

613.6 KB

Standard

3.0 MB

Standard

aws

Services

Search

[Alt+S]

Amazon S3 > Buckets > mybucketdemo-001 > Delete objects

Delete objects

Info

- If a folder is selected for deletion, all objects in the folder will be deleted, and any new objects added while the delete action is in progress might also be deleted. If an object is selected for deletion, any new objects with the same name that are uploaded before the delete action is completed will also be deleted.
- Deleting the specified objects can't be undone.

[Learn more](#)

Specified objects

Find objects by name

< 1 >

| Name | Type | Last modified | Size |
|--|------|--------------------------------------|----------|
| Intro to Cloud - AWS v1.pptx | pptx | March 26, 2023, 21:18:36 (UTC+05:45) | 613.6 KB |
| smudge_cat.png | png | March 26, 2023, 21:18:38 (UTC+05:45) | 3.0 MB |

Permanently delete objects?

To confirm deletion, type *permanently delete* in the text input field.

Cancel

Delete objects

RWS

Services

Search

[Alt+S]

Global

vo/dats/user/2476336-Sumit_Lalot @ 2502-5015-1803

Successfully deleted objects

View details below.

Delete objects: status

Close

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

Summary

| | | |
|-----------------------|----------------------|------------------|
| Source | Successfully deleted | Failed to delete |
| s3://mybucketdemo-001 | 2 objects, 3.6 MB | 0 objects |

Failed to delete

Configuration

Failed to delete (0)

Find objects by name

< 1 >

| Name | Folder | Type | Last modified | Size | Error |
|------------------------------|--------|------|---------------|------|-------|
| No objects failed to delete. | | | | | |