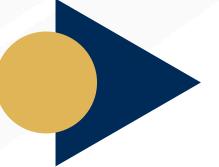


# **CREATING A WEBSITE ON S3**

by Mashkoor patel

# OBJECTIVE

-  **1. Execute AWS CLI commands that interact with IAM (Identity and Access Management) and Amazon S3 services.**
-  **2. Deploy a static website to an S3 bucket for hosting.**
-  **3. Develop a script utilizing AWS CLI to automate the process of copying files from a local directory to Amazon S3.**

# Task 1: Connect to an Amazon Linux EC2 instance using SSM

The screenshot shows the AWS EC2 Instances page. At the top, there is a navigation bar with various icons and the text "United States (Oregon)" and "voclabs/user3730873=Mashkoor\_Abdul\_Rahim\_Patel @ 9398-7408-0127". Below the navigation bar, the main heading is "Instances (1/1) Info". To the right of the heading, there is a "Last updated less than a minute ago" timestamp and a "Connect" button, which is highlighted with a blue arrow. Other buttons in the top right include "Instance state", "Actions", and "Launch instances". A search bar and a filter section ("Instance state = running") are also present. The main table lists one instance: "CLI Host" (Instance ID: i-0fe39b5a0e0dde975), which is "Running" (Status check: 3/3 checks passed). The table includes columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IP. In the bottom half of the page, the details for the selected instance "i-0fe39b5a0e0dde975 (CLI Host)" are shown. The "Details" tab is active. The "Instance summary" section contains the following information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0fe39b5a0e0dde975	54.213.5.80   open address	10.200.0.80
IPv6 address	Instance state	Public IPv4 DNS
-	Running	-
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-10-200-0-80.us-west-2.compute.internal	ip-10-200-0-80.us-west-2.compute.internal	-
Answer private resource DNS name	Instance type	
-	t3.micro	

aws | Search [Alt+S] | United States (Oregon) | voclabs/user3730873=Mashkoor\_Abdul\_Rahim\_Patel @ 9398-7408-0127

EC2 > Instances > i-0fe39b5a0e0dde975 > Connect to instance

## Connect to instance Info

Connect to your instance i-0fe39b5a0e0dde975 (CLI Host) using any of these options

EC2 Instance Connect **Session Manager** SSH client EC2 serial console

**Session Manager usage:**

- Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager [Preferences](#) page.

Cancel **Connect**



# TASK 2: CONFIGURE THE AWS CLI

```
[ec2-user@ip-10-200-0-80 static-website]$ aws configure
AWS Access Key ID [*****MQ5S]: AKIA5VVG4KV7QSPLMQ5S
AWS Secret Access Key [*****EeKC]: 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
Default region name [us-west-2]: us-west-2
Default output format [json]: json
[ec2-user@ip-10-200-0-80 static-website]$ █
```

# TASK 3: CREATE AN S3 BUCKET USING THE AWS CLI

```
[ec2-user@ip-10-200-0-80 static-website]$ aws s3api create-bucket --bucket mynew-bucket--8844 --region us-west-2 --create-bucket-configuration LocationConstraint=us-west-2

{
    "Location": "http://mynew-bucket--8844.s3.amazonaws.com/"
}
[ec2-user@ip-10-200-0-80 static-website]$ 
[ec2-user@ip-10-200-0-80 static-website]$
```

The screenshot shows the AWS S3 console interface. On the left, there's a navigation sidebar with options like 'General purpose buckets', 'Directory buckets', 'Table buckets', etc. The main area displays an 'Account snapshot' and a list of 'General purpose buckets'. There are two buckets listed:

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">my-bucket8844</a>	US West (Oregon) us-west-2	<a href="#">View analyzer for us-west-2</a>	March 5, 2025, 16:39:23 (UTC+05:30)
<a href="#">mynew-bucket--8844</a>	US West (Oregon) us-west-2	<a href="#">View analyzer for us-west-2</a>	March 5, 2025, 18:16:00 (UTC+05:30)

# TASK 4: EXTRACT THE FILES THAT YOU NEED FOR THIS LAB

```
[ec2-user@ip-10-200-0-80 sysops-activity-files]$  
[ec2-user@ip-10-200-0-80 sysops-activity-files]$ tar xvzf static-website-v2.tar.gz  
static-website/  
static-website/css/  
static-website/css/styles.css  
static-website/images/  
static-website/images/Cafe-Owners.png  
static-website/images/Cake-Vitrine.png  
static-website/images/Coffee-and-Pastries.png  
static-website/images/Coffee-Shop.png  
static-website/images/Cookies.png  
static-website/images/Cup-of-Hot-Chocolate.png  
static-website/images/Strawberry-&-Blueberry-Tarts.png  
static-website/images/Strawberry-Tarts.png  
static-website/index.html  
[ec2-user@ip-10-200-0-80 sysops-activity-files]$ ls  
static-website  static-website-v2.tar.gz  
[ec2-user@ip-10-200-0-80 sysops-activity-files]$ cd static-website  
[ec2-user@ip-10-200-0-80 static-website]$ ls  
css  images  index.html  
[ec2-user@ip-10-200-0-80 static-website]$ █
```

## **TASK 5: UPLOAD FILES TO AMAZON S3 BY USING THE AWS CLI**

**CMD->AWS S3 Website S3://MY-BUCKET8844/ --INDEX-DOCUMENT INDEX.HTML**

**CMD->AWS S3 CP /HOME/EC2-USER/SYSOPS-ACTIVITY-FILES/STATIC-WEBSITE/ S3://MY-BUCKET8844/ --RECURSIVE -ACL PUBLIC-READ**

# LIVE WEBSITE RESULT

http://my-bucket8844.s3-website-us-west-2.amazonaws.com

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Our tarts are always a customer favorite!



Frank bakes a rich variety of cookies. Try them all!



Tea, Coffee, Latte, Hot Chocolate – Yes, we have it!



Our tarts are always a customer favorite!



## About Us





Frank and Martha have been adding sweetness to their customers' lives since 2016. Both of them will personally greet you with a welcoming smile when you visit! Frank's recipes have been passed down from his mother and use simple and fresh ingredients to produce delightful flavors.

## Contact Us



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## Hours

Weekdays: 6:00am - 6:00pm  
Saturday: 7:00am - 7:00pm  
Closed on Sundays

## TASK 5: UPLOAD FILES TO AMAZON S3 BY USING THE AWS CLI

**cmd->** vim update-website.sh

```
#!/bin/bash
aws s3 cp /home/ec2-user/sysops-activity-files/static-website/
s3://my-bucket8844/ --recursive --acl public-read
```

**cmd->** chmod +x update-website.sh

**cmd->** ./update-website.sh

*Thank  
you*