

Week 9: Encrypting Data at Rest and Transit

Name- Saish Dhiwar

PRN- 2124UCSM2011

Email- saish.dhiwar_24ucs@sanjivani.edu.in

Task- 1) Enable encryption for S3/EBS/DB

2) Configure HTTPS on the Server.

3) Document encryption setup.

Task 1- Enable encryption for S3/EBS/DB.

1) Log in to AWS Console. Go to <https://aws.amazon.com>, sign in to the AWS Management Console.

2) S3 Bucket Encryption:

✓ Successfully edited default encryption. Objects uploaded, modified, or copied into this bucket will inherit this encryption configuration unless otherwise specified.

2124ucsm2011 [Info](#)

Objects **Properties** Permissions Metrics Management Access Points

3) EBS Volume Encryption:

✓ Successfully created volume vol-0dab7681c6699fba3.

Volumes (1) [Info](#)

Last updated less than a minute ago [Actions](#) [Create volume](#)

Saved filter sets [Choose filter set](#)

<input type="checkbox"/>	Name ↗	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Create
<input type="checkbox"/>		vol-0dab7681c6699fba3	gp3	2 GiB	3000	125	-	-	2025/c

Task 2- Configure HTTPS on the Server.

1) Enable HTTPS (TLS/SSL) on Server

Volumes (1) [Info](#)

Last updated less than a minute ago [Actions](#) [Create volume](#)

Saved filter sets [Choose filter set](#)

<input type="checkbox"/>	Name ↗	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Create
<input type="checkbox"/>		vol-0dab7681c6699fba3	gp3	2 GiB	3000	125	-	-	2025/c

2) Update Security Group:

sg-0a2677257fd4d8378 - security_group

✓ Inbound security group rules successfully modified on security group (sg-0a2677257fd4d8378 | security_group)

[Details](#)

sg-0a2677257fd4d8378 - security_group [Actions](#)

Details

Security group name security_group	Security group ID sg-0a2677257fd4d8378	Description first security group	VPC ID vpc-04d890dcc91357448
Owner 240110921708	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	