

AWS Task 3

1- First we create S3 Bucket demo-sprints1

The screenshot shows the AWS Management Console for Amazon S3. The left sidebar contains navigation links for Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the 'Account snapshot' and a list of buckets. The bucket 'demo-sprints1' is highlighted, showing its details: Name, AWS Region (US East (Ohio) us-east-2), Access (Objects can be public), and Creation date (September 30, 2021, 08:55:55 (UTC+02:00)).

Name	AWS Region	Access	Creation date
demo-sprints1	US East (Ohio) us-east-2	Objects can be public	September 30, 2021, 08:55:55 (UTC+02:00)
my-static-website-demo1	US East (Ohio) us-east-2	Public	September 30, 2021, 09:41:35 (UTC+02:00)

Then we upload files

The screenshot shows the AWS Management Console for the Amazon S3 bucket 'demo-sprints1'. The left sidebar is the same as the previous screenshot. The main content area displays the 'demo-sprints1' bucket details, including tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. The 'Objects' tab is active, showing a list of objects. Two objects are listed: 'p2.png' and 'p4.png', both of type 'png' and stored in the 'Standard' storage class. The 'p2.png' object was uploaded on September 30, 2021, at 09:15:50 (UTC+02:00) and is 117.1 KB. The 'p4.png' object was uploaded on September 30, 2021, at 09:16:23 (UTC+02:00) and is 138.2 KB.

Name	Type	Last modified	Size	Storage class
p2.png	png	September 30, 2021, 09:15:50 (UTC+02:00)	117.1 KB	Standard
p4.png	png	September 30, 2021, 09:16:23 (UTC+02:00)	138.2 KB	Standard

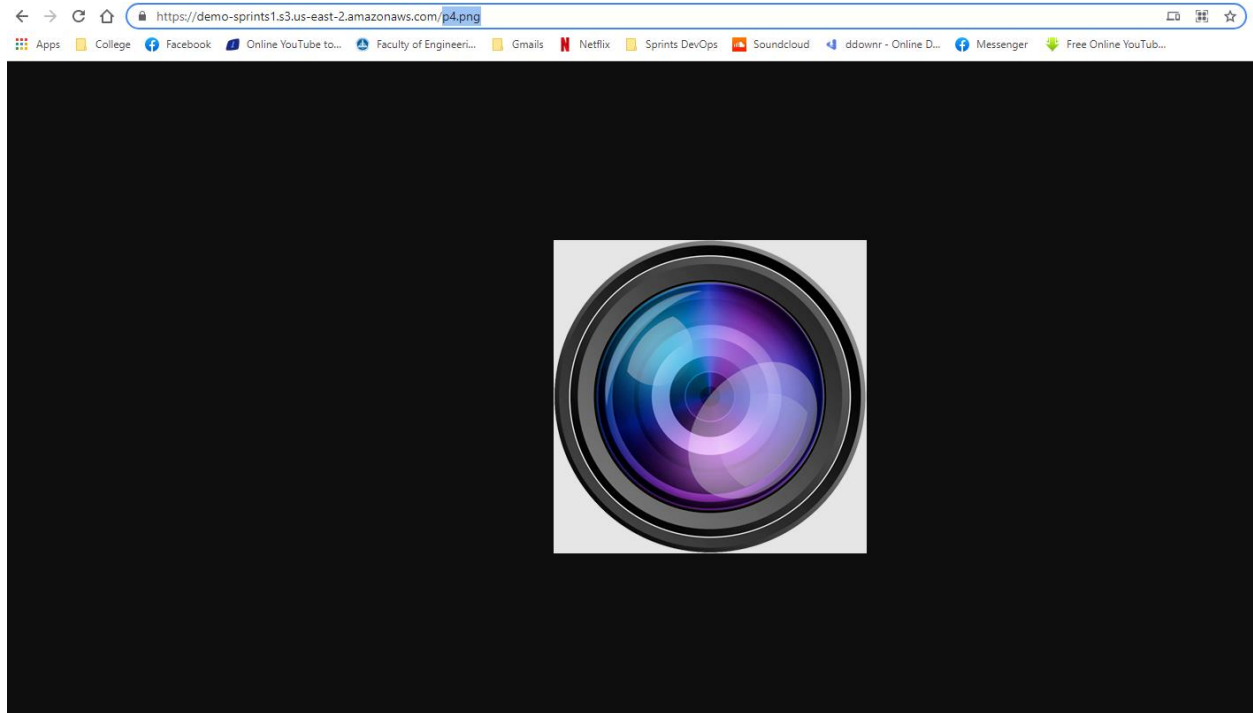
Then expose it publicly

Amazon S3 console interface showing the details for the object `p4.png` in the `demo-sprints1` bucket.

Object overview

Property	Value
Owner	
AWS Region	US East (Ohio) us-east-2
Last modified	September 30, 2021, 09:16:23 (UTC+02:00)
Size	138.2 KB
Type	png
Key	p4.png
S3 URI	s3://demo-sprints1/p4.png
Amazon Resource Name (ARN)	arn:aws:s3:::demo-sprints1/p4.png
Entity tag (Etag)	S2a39b08a14fd08b52171fc6cf285c1
Object URL	https://demo-sprints1.s3.us-east-2.amazonaws.com/p4.png

A green notification bubble indicates: **Object URL Copied**



Then using static website

The screenshot displays the AWS Management Console interface for the 'my-static-website-demo1' bucket. The left sidebar shows the 'Amazon S3' service menu with options like Buckets, Access Points, and Storage Lens. The main content area shows the 'Objects' tab, listing six objects: 'css/' (Folder), 'error.html' (html, 70.0 B), 'fonts/' (Folder), 'images/' (Folder), 'index.html' (html, 14.6 KB), and 'js/' (Folder). Below the object list, there are settings for 'Requester pays' (Disabled) and 'Static website hosting' (Enabled). The 'Static website hosting' section shows the 'Bucket website endpoint' as 's3-website-us-east-2.amazonaws.com'. A tooltip indicates that the endpoint has been copied. The bottom of the screenshot shows a web browser displaying the website, with the URL 'my-static-website-demo1.s3-website-us-east-2.amazonaws.com' and a navigation bar with links to Home, About Us, Fruits, Blog, and Contact Us.

Amazon S3

my-static-website-demo1

Publicly accessible

Objects (6)

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](#)

Find objects by prefix

Name	Type	Last modified	Size	Storage class
css/	Folder	-	-	-
error.html	html	September 30, 2021, 09:48:52 (UTC+02:00)	70.0 B	Standard
fonts/	Folder	-	-	-
images/	Folder	-	-	-
index.html	html	September 30, 2021, 09:48:54 (UTC+02:00)	14.6 KB	Standard
js/	Folder	-	-	-

Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact [Customer Support](#)

Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays
Disabled

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

Bucket website endpoint
s3-website-us-east-2.amazonaws.com

Not secure | my-static-website-demo1.s3-website-us-east-2.amazonaws.com

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Best Fresh Red Apple from Salah Market

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature



2- Then we create snapshot from any running EC2

Create Snapshot Actions

Owned By Me Filter by tags and attributes or search by keyword

Name	Snapshot ID	Size	Description	Status	Started	Progress	Encryption
backup-Germany	snap-0fe4963ea3e631dc1	8 GiB	backup-Germany	completed	October 1, 2021 at 2:22:11 AM UTC+2	available (100%)	Not Encrypted

Snapshot: snap-0fe4963ea3e631dc1

Description Permissions Tags

Snapshot ID	snap-0fe4963ea3e631dc1	Progress	100%
Status	completed	Capacity	8 GiB
Volume	vol-0c676c89d02c3a7d	Encryption	Not Encrypted
Started	October 1, 2021 at 2:22:11 AM UTC+2	KMS Key ID	
Owner	697054457294	KMS Key Aliases	
Product codes	-	KMS Key ARN	
Description	backup-Germany	Fast Snapshot Restore	-
Outpost ARN	-		

Create image from any running EC2

Instances (1/7) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm state
-	i-00047159c21654d16	Running	t2.micro	2/2 checks passed	No alarms
Public_App	i-0a66e017255315664	Running	t2.micro	2/2 checks passed	No alarms
Private_Database	i-0d9050d6da9e5755d	Running	t2.micro	2/2 checks passed	No alarms
EC2PrivateSubnet	i-04723599457441d0d	Running	t2.micro		
EC2PrivateSubnet2	i-08d5d8886036e62fd	Running	t2.micro		
Demo-server	i-088a065eb6b0422f5	Stopped	t2.micro		
StorageInstance	i-00d2cbaeba97e15ef	Running	t2.micro	2/2 checks passed	No alarms

Actions Launch instances

- Connect
- View details
- Manage instance state
- Instance settings
- Networking
- Security
- Image and templates
- Monitor and troubleshoot

Instance: i-00d2cbaeba97e15ef (StorageInstance)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-00d2cbaeba97e15ef (StorageInstance)	3.142.73.15 open address	172.31.45.15
IPv6 address	Instance state	Public IPv4 DNS
-	Running	

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Volumes
Snapshots

Launch EC2 Image Builder Actions

Owned by me Filter by tags and attributes or search by keyword

Name	AMI Name	AMI ID	Source	Owner	Visibility	Status	Creation Date	Platform	Root Device
mybackup	ami-0c6afba5e85cc7044	697054457294/...	697054457294	Private	available	October 1, 2021 at 2:30:48 A...	Other Linux	ebs	

Image: ami-0c6afba5e85cc7044

Details Permissions Tags

AMI ID	ami-0c6afba5e85cc7044	AMI Name	mybackup
Owner	697054457294	Source	697054457294/mybackup
Status	available	State Reason	-
Creation date	October 1, 2021 at 2:30:48 AM UTC+2	Platform details	Linux/UNIX
Architecture	x86_64	Usage operation	RunInstances
Image Type	machine	Virtualization type	hvm
Description	mybackup	Root Device Name	/dev/xvda
Root Device Type	ebs	RAM disk ID	-
Kernel ID	-	Product Codes	-
Block Devices	/dev/xvda=snap-063037117b9fd3b27-8:true:gp2	Boot mode	-
Deprecation time	-		

Edit

3- For creating CloudFormation template for task 2, it is attached with this pdf.