ELEVATE LABS INTERN

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Task 6: Host and Deploy a Web Application on the Cloud

Objective:

The objective of this task is to host a static website using AWS S3. It involves uploading all website files such as HTML, CSS, JS, and images to an S3 bucket, enabling public access, and configuring static website hosting so the site can be accessed through a web URL.

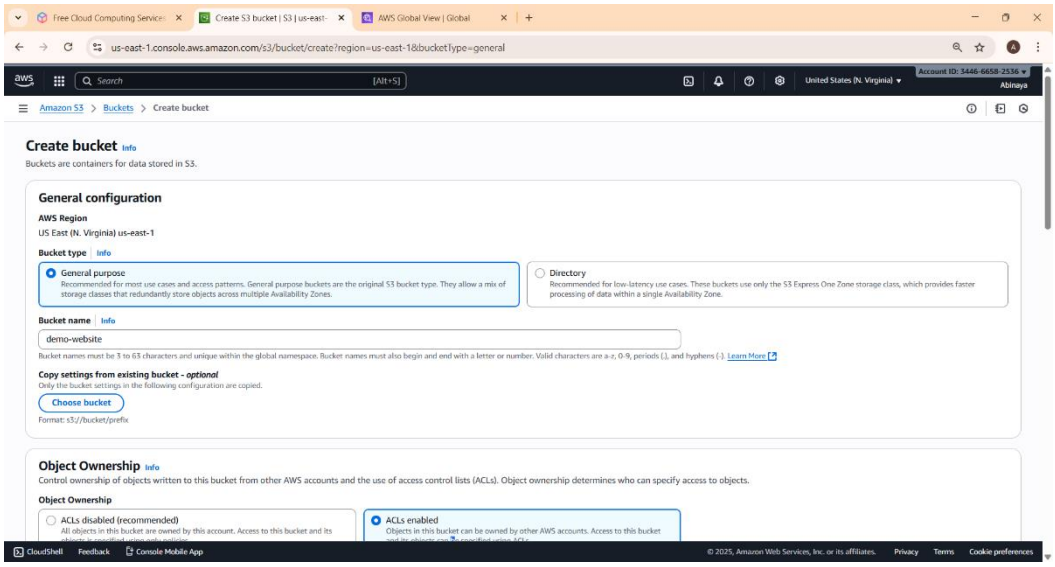
Steps to Upload Website Files to AWS S3

1. **Download** a sample website template (contains index.html, css, js, images, etc.).
2. Extract the zip file and open the main folder (example: my-website).
3. The folder will contain:
    - index.html → main page
    - css/ → style files
    - js/ → JavaScript files
    - images/ → pictures and icons
4. Go to **AWS S3 Console → Create a new bucket.**
5. Open the bucket → click Upload → select all files and folders inside my-website.
6. Do not upload the folder itself, upload only the contents.
7. After upload, make all files public using ACL or bucket policy.
8. Go to Properties → Static website hosting → enable it.
9. Set:
    - Index document: index.html
    - Error document**:** error.html (optional)
10. Click Save changes**.**

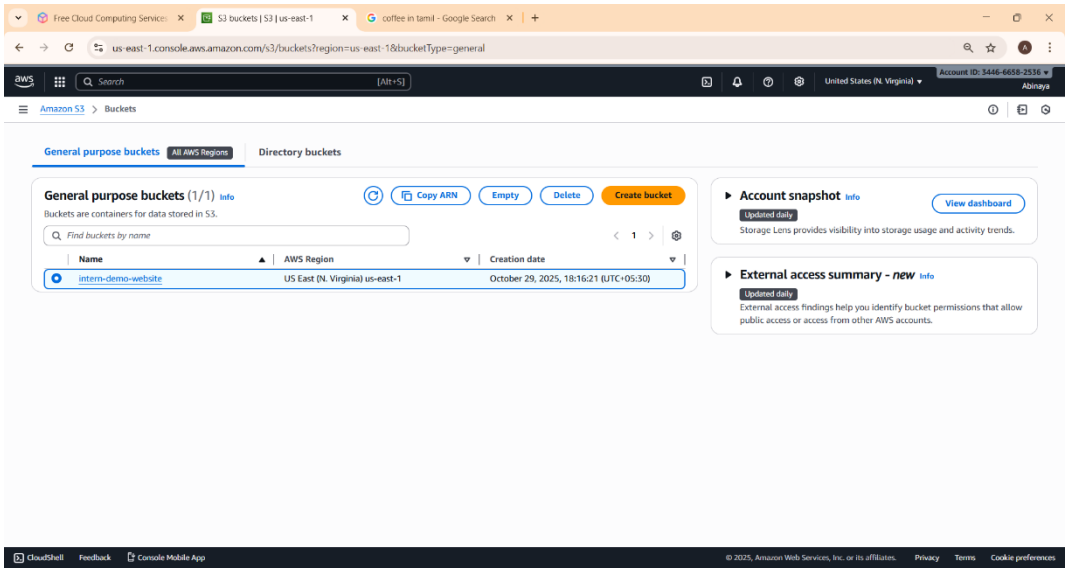
11. Copy the website endpoint URL and open it in your browser to view the hosted site.

SCREEN SHOTS ATTACHED

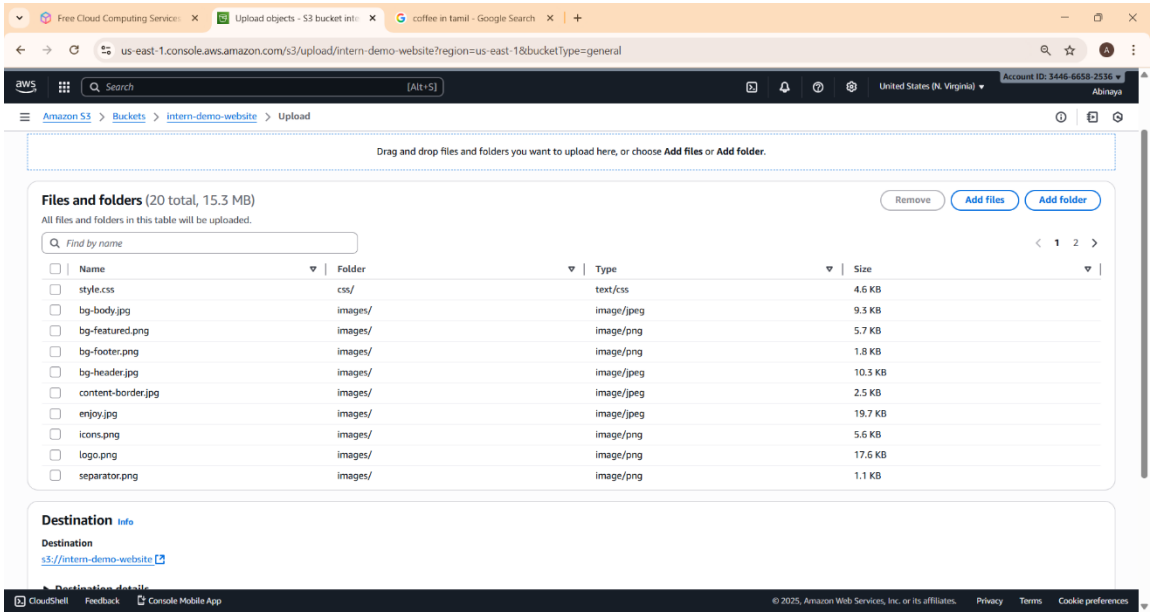
1.



2.



3.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us-east-1.console.aws.amazon.com/s3/upload/intern-demo-website?region=us-east-1&bucketType=general
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[Alt+S]
United States (N. Virginia)
Account ID: 3446-6658-2536
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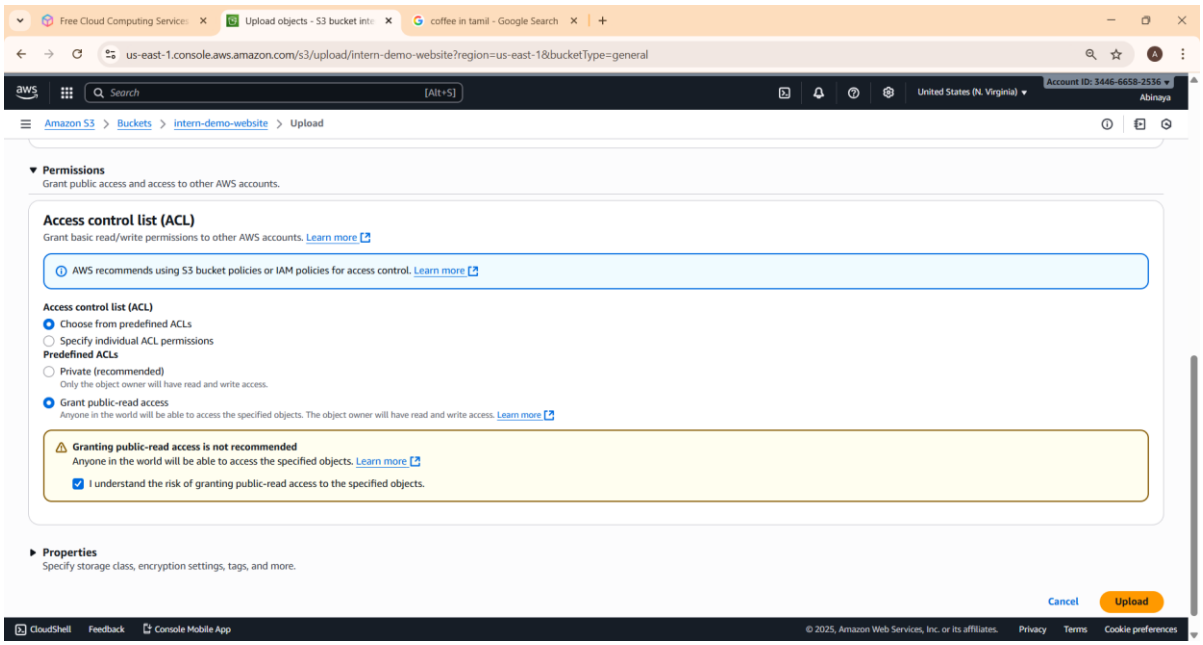
Amazon S3 > Buckets > intern-demo-website > Upload
Drag and drop files and folders you want to upload here, or choose Add files or Add folder.
Files and folders (20 total, 15.3 MB)
All files and folders in this table will be uploaded.
Remove
Add files
Add folder
Find by name
1 2
Name
Folder
Type
Size
style.css
css/
text/css
4.6 KB
bg-body.jpg
images/
image/jpeg
9.3 KB
bg-featured.png
images/
image/png
5.7 KB
bg-footer.png
images/
image/png
1.8 KB
bg-header.jpg
images/
image/jpeg
10.3 KB
content-border.jpg
images/
image/jpeg
2.5 KB
enjoy.jpg
images/
image/jpeg
19.7 KB
icons.png
images/
image/png
5.6 KB
logo.png
images/
image/png
17.6 KB
separator.png
images/
image/png
1.1 KB
Destination Info
Destination
s3://intern-demo-website
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

4.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us-east-1.console.aws.amazon.com/s3/upload/intern-demo-website?region=us-east-1&bucketType=general
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United States (N. Virginia)
Account ID: 3446-6658-2536
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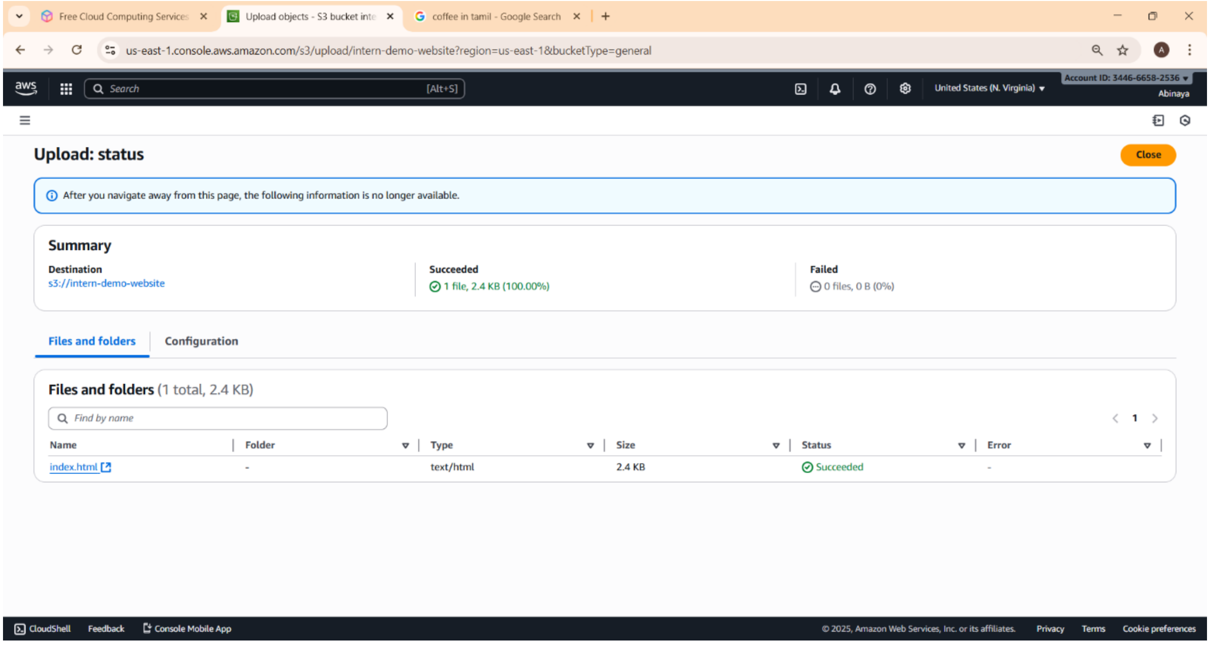
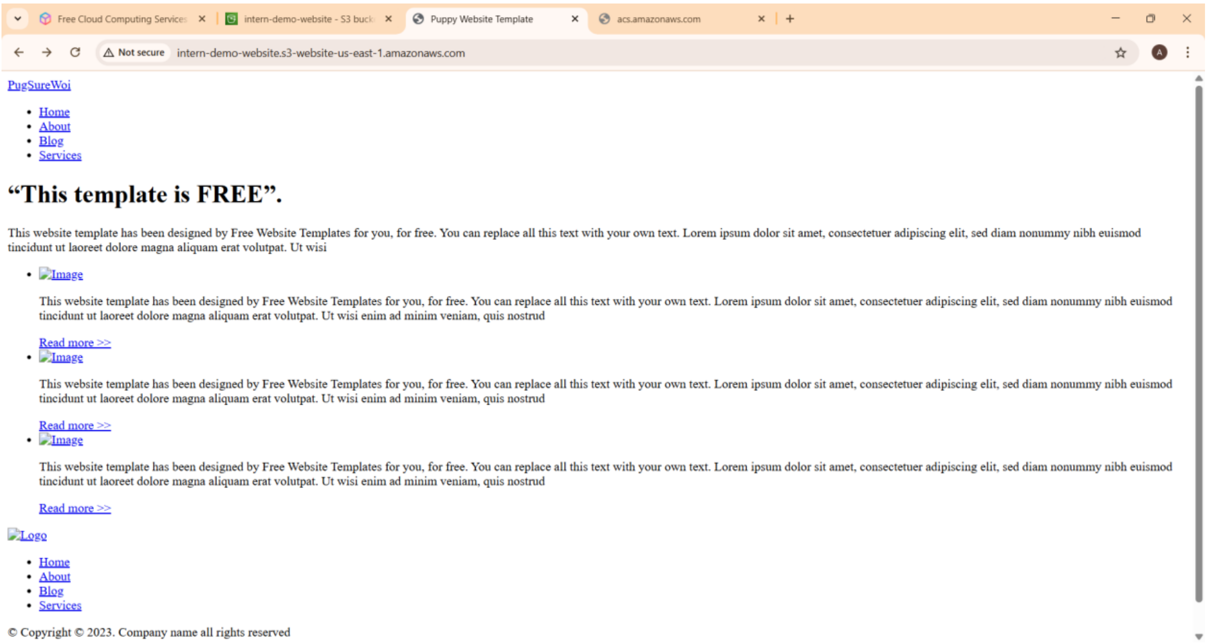
Amazon S3 > Buckets > intern-demo-website > Upload
Permissions
Grant public access and access to other AWS accounts.
Access control list (ACL)
Grant basic read/write permissions to other AWS accounts. Learn more
AWS recommends using S3 bucket policies or IAM policies for access control. Learn more
Access control list (ACL)
Choose from predefined ACLs
Specify individual ACL permissions
Predefined ACLs
Private (recommended)
Only the object owner will have read and write access.
Grant public-read access
Anyone in the world will be able to access the specified objects. The object owner will have read and write access. Learn more
Granting public-read access is not recommended
Anyone in the world will be able to access the specified objects. Learn more
I understand the risk of granting public-read access to the specified objects.
Properties
Specify storage class, encryption settings, tags, and more.
Cancel
Upload
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

5.



6.



Conclusion:

By completing this task, a static website was successfully hosted on AWS S3. The process demonstrated how to upload website files, configure public access, and enable static website hosting. This helped in understanding how cloud storage services can be used to deploy and manage websites efficiently.