Amazon Web Services

Project 2024

STATIC WEB HOSTING

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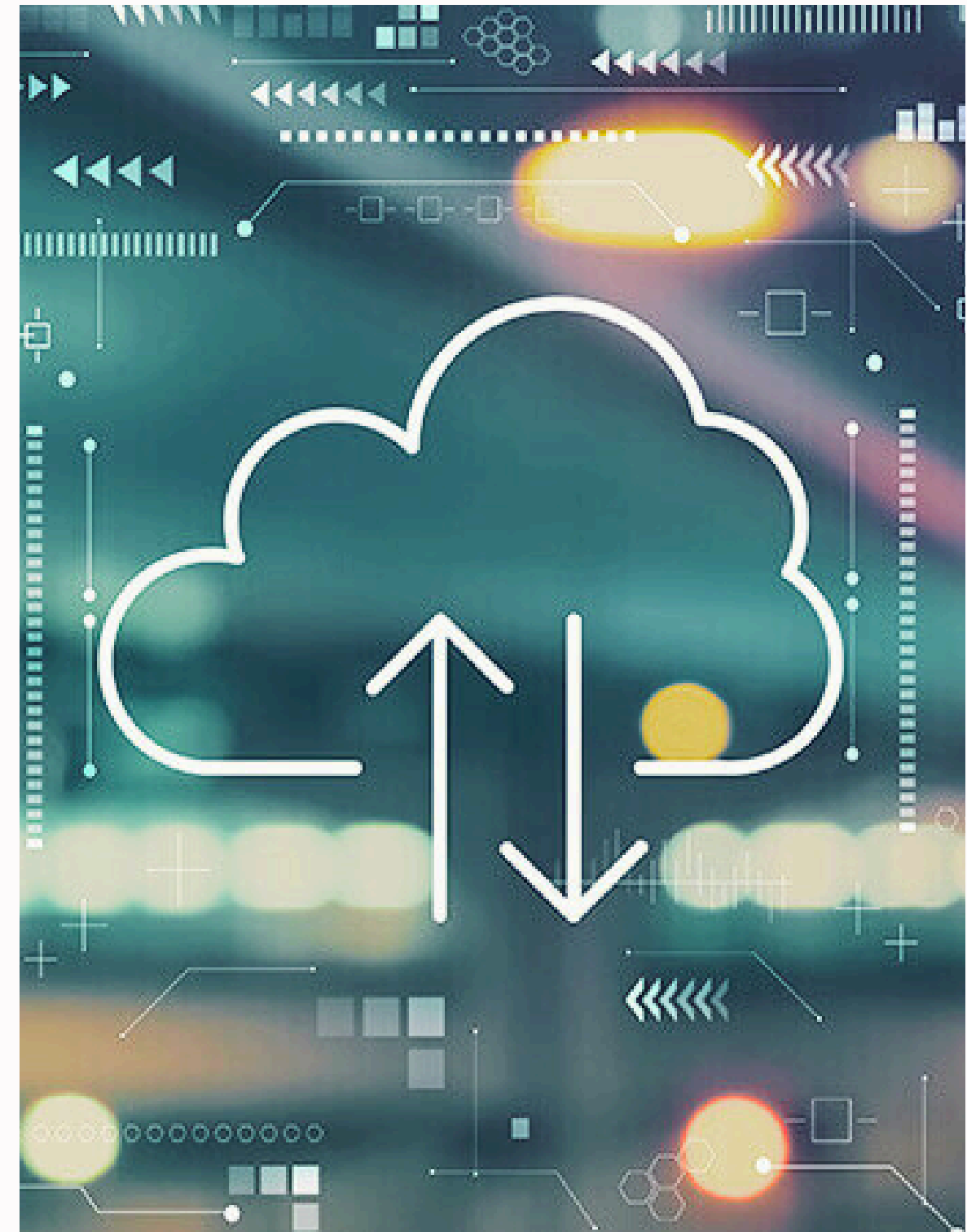
Steps

01	Login to aws console
02	Search for s3 bucket
03	Create Bucket
04	Edit settings of bucket
05	Edit bucket policy
06	Upload files
07	Host website

Overview

Login to AWS Management console

01 Go to the browser search for AWS console and edit the things according to your specific details

02 Like the name, address, password, Email, PAN card, city, state, debit card number other following steps
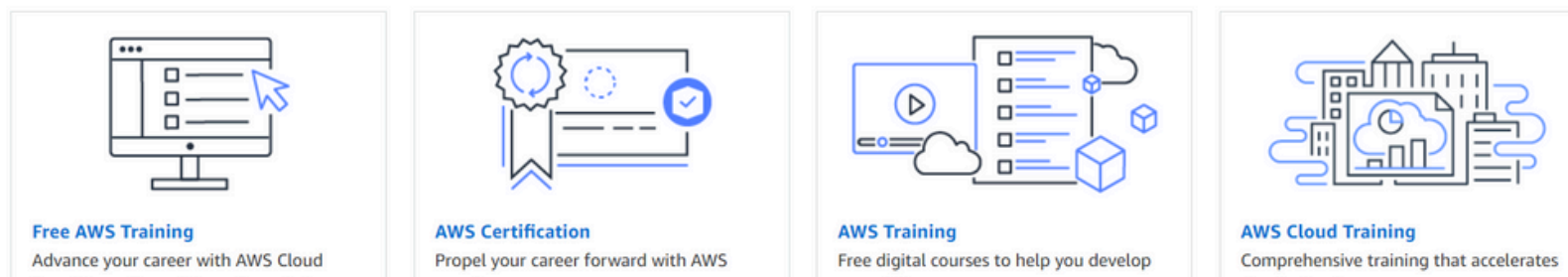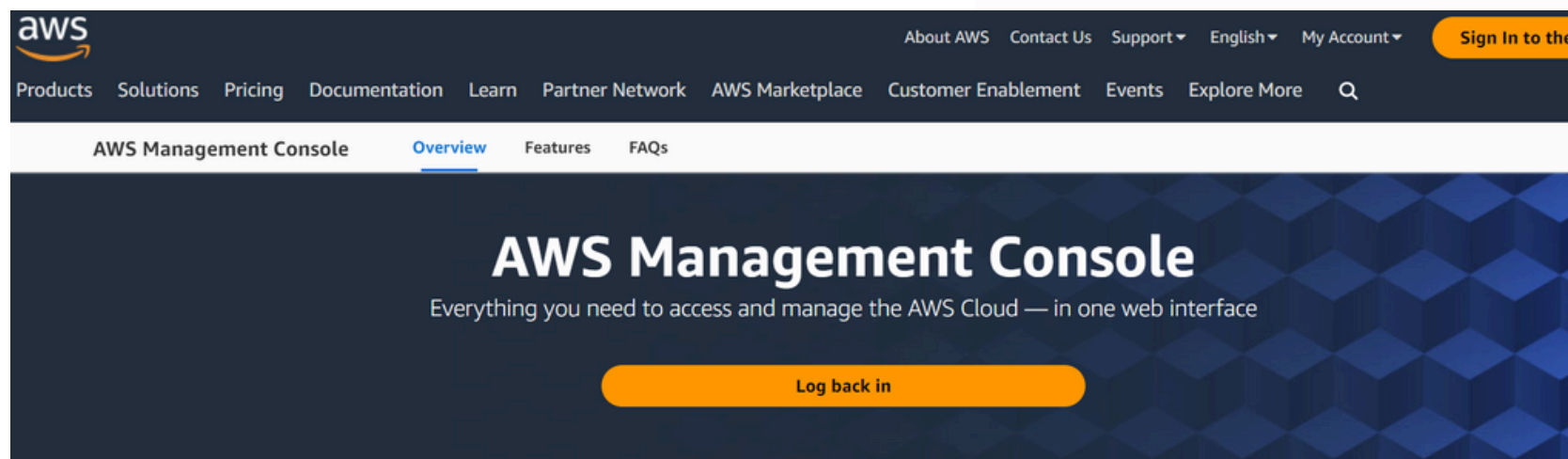
03 then pay 2 rupees from your debit card just for a security purpose to log in AWS and make the login process successful

04 account successfully created sign in as a root user or IAM user it depends upon you

Create Bucket

Give a meaningful name to your bucket

Remove the tick from block all public access

Amazon S3 > Buckets > Create bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

AWS Region

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

Bucket type Info

○ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

○ **Directory - *New***
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name Info

```
static-bucket
```

Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming ↗

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

○ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

○ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership
Bucket owner enforced

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more ↗

☐ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Make the bucket versoining enable ✅

> ⚠️ **Turning off block all public access might result in this bucket and the objects within becoming public**
> AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
>
> ☑ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more ↗

Bucket Versioning

○ Disable
● Enable

Leave all the settings as Default, no changes required , save the changes

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket.

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Principal": "*",
            "Action": "s3:GetObject",
            "Resource": "arn:aws:s3:::static-bucket-project/*"
        }
    ]
}
```

Click on the bucket you created, then go to the Permissions tab. Scroll down to the Bucket Policy section, click on the Edit button, and write the code.

Now, you can click on the bucket to open the object console.
Click on 'Upload' and upload all the files you want to make
accessible for your website

static-bucket-project Info

Objects	Properties	Permissions	Metrics	Management	Access Points

Objects (23) Info   [↻] [📋 Copy S3 URI] [📋 Copy URL] [⬇ Download] [Open ↗] [Delete] [Actions ▼] [Create folder] [⬆ Upload]

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]   [○ Show versions]   < 1 >   ⚙

	Name ▲	Type ▽	Last modified ▽	Size ▽	Storage class ▽
☐	amazone screenshots.png	png	June 15, 2024, 08:14:50 (UTC+05:30)	800.4 KB	Standard
☐	anchring-eshu.jpg	jpg	June 15, 2024, 08:14:52 (UTC+05:30)	143.6 KB	Standard
☐	animation man.mp4	mp4	June 15, 2024, 08:14:54 (UTC+05:30)	2.8 MB	Standard
☐	calendar ss.png	png	June 15, 2024, 08:14:56 (UTC+05:30)	297.8 KB	Standard
☐	didital clock ss.png	png	June 15, 2024, 08:14:58 (UTC+05:30)	511.9 KB	Standard
☐	drag and drop ss.png	png	June 15, 2024, 08:14:59 (UTC+05:30)	702.5 KB	Standard
☐	eshu5.jpg	jpg	June 15, 2024, 08:15:01 (UTC+05:30)	103.6 KB	Standard
☐	hindi-eshu.jpg	jpg	June 15, 2024, 08:15:02 (UTC+05:30)	40.6 KB	Standard
☐	index.html	html	June 15, 2024, 08:15:04 (UTC+05:30)	8.4 KB	Standard
☐	presentation-eshu.jpg	jpg	June 15, 2024, 08:15:06 (UTC+05:30)	34.0 KB	Standard
☐	qr code ss.png	png	June 15, 2024, 08:15:07 (UTC+05:30)	16.1 KB	Standard

After uploading the files in the object console, go to the Properties tab. Scroll down to the Static Website Hosting section and click on the Edit button. Enable static website hosting, choose the 'Host a static website' option, and enter the name of your HTML file as the index document. Finally, save the changes

Static website hosting

Use this bucket to host a website or redirect requests. Learn more 🔗

Static website hosting

◯ Disable

🔵 Enable

Hosting type

🔵 Host a static website

Use the bucket endpoint as the web address. Learn more 🔗

◯ Redirect requests for an object

Redirect requests to another bucket or domain. Learn more 🔗

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access 🔗

Index document

Specify the home or default page of the website.

index.html

Error document - *optional*

This is returned when an error occurs.

error.html

Redirection rules – *optional*

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. Learn more 🔗

After completing these steps, your website will be hosted. A link will appear; copy that link, paste it into your browser, and your website will be displayed

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THANK YOU