

Here are the **step-by-step instructions to create an S3 bucket and upload files via the AWS Management Console (GUI)**:

✓ **Step 1: Log in to AWS Console**

1. Go to <https://console.aws.amazon.com/>
 2. Sign in with your AWS credentials.
-

✓ **Step 2: Open the S3 Service**

1. In the **AWS Console**, type “S3” in the search bar.
 2. Click on **S3** under Services to open the S3 dashboard.
-

✓ **Step 3: Create a New Bucket**

1. Click the “**Create bucket**” button.
 2. **Enter a unique bucket name** (globally unique across AWS).
 3. Choose the **AWS Region** where you want the bucket.
 4. (Optional) Adjust settings like:
 - Versioning
 - Default encryption
 - Block Public Access (recommended: keep it ON unless needed)
 5. Click “**Create bucket**” at the bottom.
-

✓ **Step 4: Upload Files to the Bucket**

1. Click the bucket name you just created to open it.
 2. Click the **“Upload”** button.
 3. In the **Upload** window:
 - Click **“Add files”** to select files from your computer.
 - (Optional) Click **“Add folder”** if uploading an entire folder.
 4. Leave storage class and encryption settings as default unless needed.
 5. Click **“Upload”** to begin the upload.
-

✓ Step 5: Verify Upload

- After upload, you'll see your file(s) listed in the bucket.
 - Click a file to view its **properties**, **object URL**, or **permissions**.
-


✓ Step 5: Modify Bucket Settings

1. In the S3 console, click your **bucket name** to open it.
 2. Go to the **"Permissions"** tab.
 3. Under **Block public access (bucket settings)**, click **Edit**.
 4. Uncheck **“Block all public access”** (or adjust as needed).
 5. Check the acknowledgment box and click **“Save changes”**.
-

✓ Step 6: Set Bucket ACL (Access Control List)

1. Still in the **Permissions** tab, scroll to **Access Control List (ACL)**.

2. Under **Access to this bucket**, click **Edit**.
3. (Optional) Add public access by granting “**List**” permission to **Everyone (public access)** if needed.
4. Save your changes.

 Note: Granting ACL-based public access is not recommended for most cases — consider using a **bucket policy** instead (see Step 7).

✓ Step 7: Make Object Public

1. Go to the **Objects** tab.
 2. Click the file you uploaded.
 3. Click the “**Permissions**” tab.
 4. Under **Access Control List**, click **Edit**.
 5. Under **Public access**, check the box for “**Read**” next to **Everyone (public access)**.
 6. Click **Save changes**.
-

✓ Step 8: Test Public Access

1. Go to the file’s **Properties** tab.
 2. Copy the **Object URL**.
 3. Paste it into a browser to verify it's publicly accessible.
-

Here’s how to continue and **enable versioning** for your S3 bucket via the AWS Management Console:

✓ Step 9: Enable Versioning on the Bucket

1. In the AWS S3 console, go to your **bucket**.
 2. Click the “**Properties**” tab.
 3. Scroll down to the “**Bucket Versioning**” section.
 4. Click “**Edit**”.
 5. Select “**Enable**”.
 6. Click “**Save changes**”.
-

✓ Step 10: Confirm Versioning

1. Still in the **Properties** tab, ensure the **Versioning status** shows as **Enabled**.
 2. From now on:
 - **Uploading a new file with the same name** will retain the old version.
 - You can **see all versions** under the “Versions” toggle in the **Objects** tab.
-

✓ Step 11: View & Manage Versions

1. In your bucket's **Objects** tab, enable the “**Show versions**” checkbox.
 2. You'll now see:
 - Each object version listed separately.
 - A “null” version if the file existed before versioning was enabled.
-