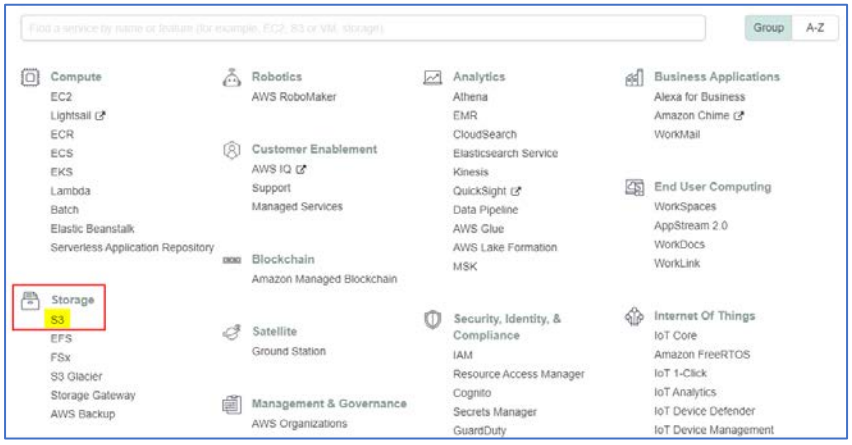
AWS Quick Start Guide: Back Up Your Files to Amazon Simple Storage Service S3 Bucket

Welcome to the AWS Quick Start Guide: Back Up Your Files to Amazon Simple Storage Service. You can use Amazon S3 to store and retrieve any amount of data at any time, from anywhere on the web. By completing the steps in this quick start guide, you will successfully create a new S3 bucket, add a file to it, retrieve this file, and finally delete it, all within the AWS Free Tier.

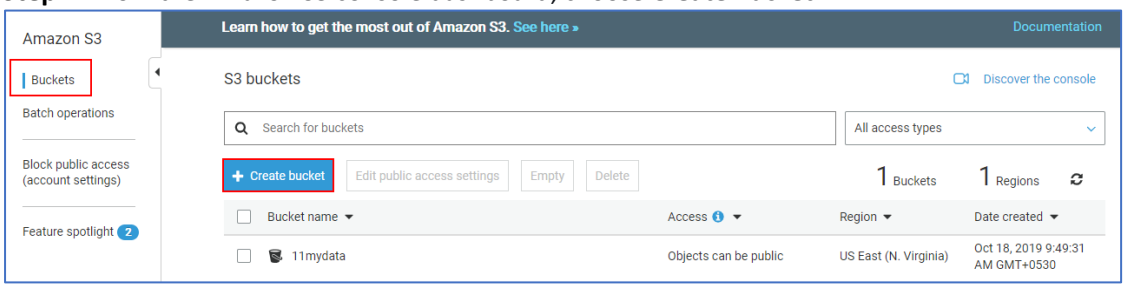
Create an Application Load Balancer

First, you need to create an Amazon S3 bucket where you will store your objects.

Step 1: Create an Amazon S3 Bucket
Under Storage & Content Delivery, choose S3 to open the Amazon S3 console.

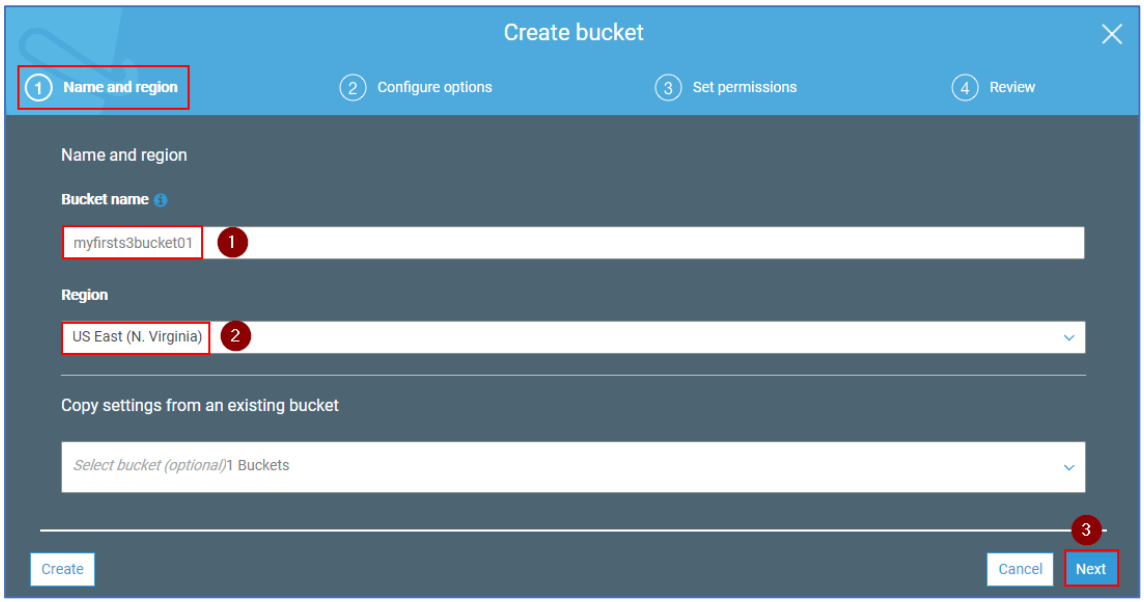


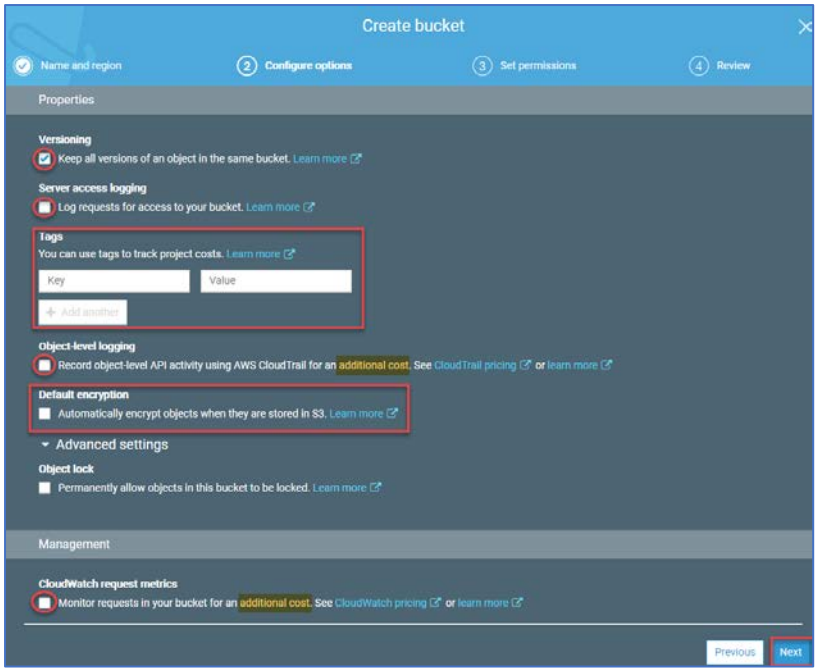
Step 2: From the Amazon S3 console dashboard, choose **Create Bucket**.

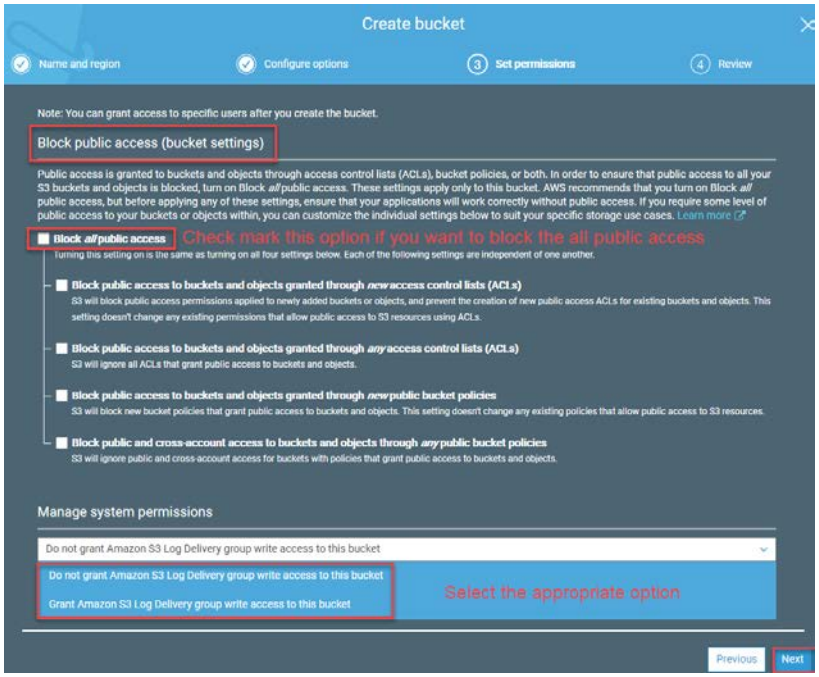


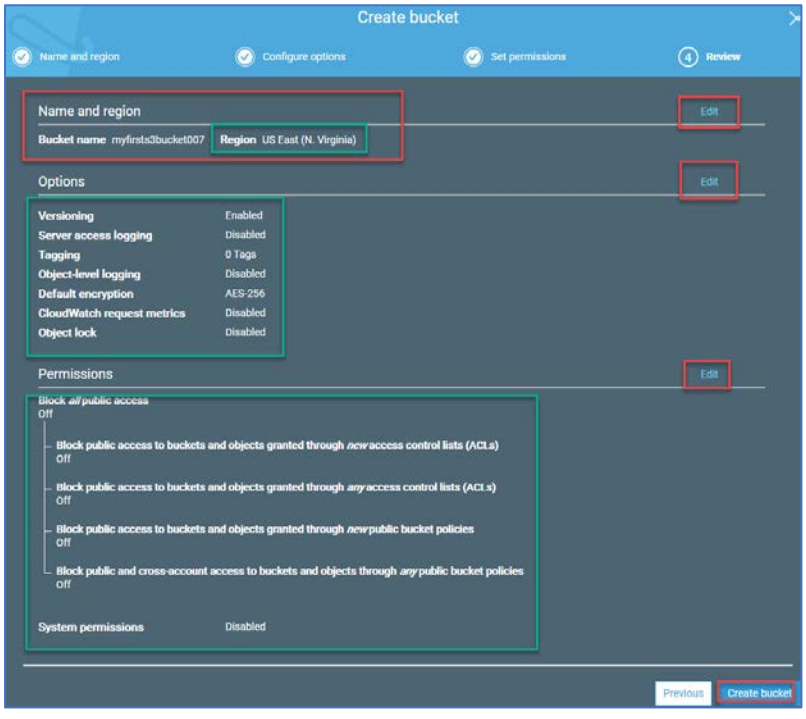
Step 3: In **Create a Bucket**, type a bucket name in **Bucket Name**.

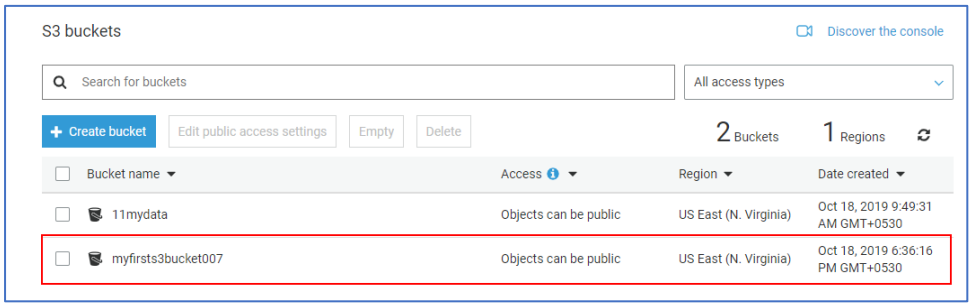
The bucket name you choose must be globally unique across all existing bucket names in Amazon S3 (that is, across all AWS customers). For more information, see Bucket Restrictions and Limitations.




Create bucket
Name and region
2 Configure options
3 Set permissions
4 Review
Properties
Versioning
Keep all versions of an object in the same bucket. Learn more
Server access logging
Log requests for access to your bucket. Learn more
Tags
You can use tags to track project costs. Learn more
Key
Value
Add another
Object-level logging
Record object-level API activity using AWS CloudTrail for an additional cost. See CloudTrail pricing or learn more
Default encryption
Automatically encrypt objects when they are stored in S3. Learn more
Advanced settings
Object lock
Permanently allow objects in this bucket to be locked. Learn more
Management
CloudWatch request metrics
Monitor requests in your bucket for an additional cost. See CloudWatch pricing or learn more
Previous
Next

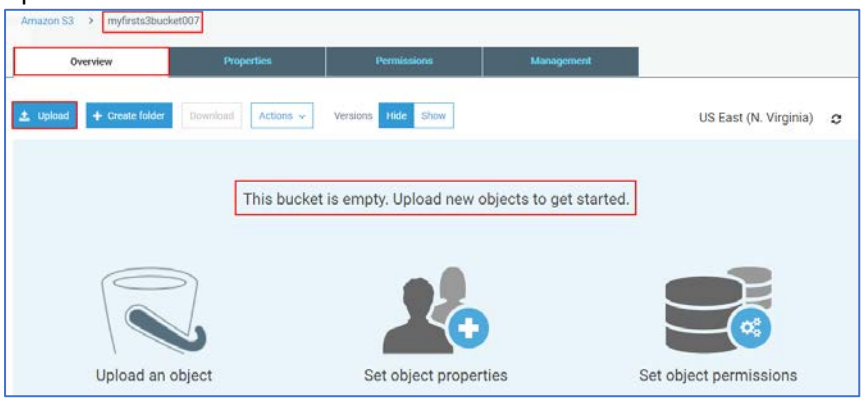

Create bucket
Name and region
Configure options
3 Set permissions
4 Review
Note: You can grant access to specific users after you create the bucket.
Block public access (bucket settings)
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, or both. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket. 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more
Block all public access
Check mark this option if you want to block the 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 policies
S3 will block new bucket 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 policies
S3 will ignore public and cross-account access for buckets with policies that grant public access to buckets and objects.
Manage system permissions
Do not grant Amazon S3 Log Delivery group write access to this bucket
Do not grant Amazon S3 Log Delivery group write access to this bucket
Grant Amazon S3 Log Delivery group write access to this bucket
Select the appropriate option
Previous
Next


Create bucket
Name and region
Configure options
Set permissions
4 Review
Name and region
Edit
Bucket name myfirsts3bucket007
Region US East (N. Virginia)
Options
Edit
Versioning Enabled
Server access logging Disabled
Tagging 0 Tags
Object-level logging Disabled
Default encryption AES-256
CloudWatch request metrics Disabled
Object lock Disabled
Permissions
Edit
Block all public access
Off
Block public access to buckets and objects granted through new access control lists (ACLs)
Off
Block public access to buckets and objects granted through any access control lists (ACLs)
Off
Block public access to buckets and objects granted through new public bucket policies
Off
Block public and cross-account access to buckets and objects through any public bucket policies
Off
System permissions Disabled
Previous
Create bucket

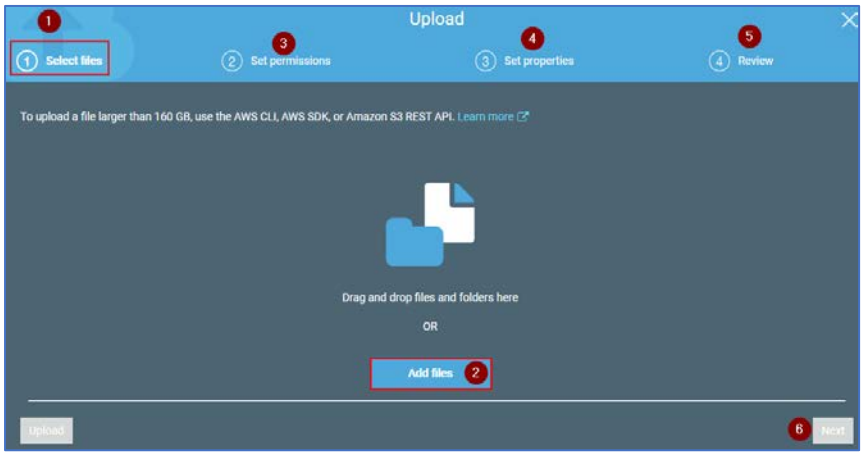


When Amazon S3 successfully creates your bucket, the console displays your empty bucket in the **Buckets** pane.

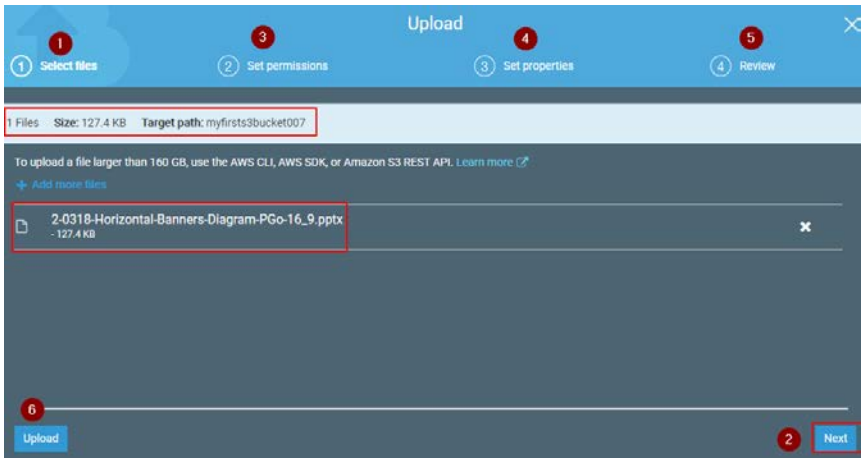
Upload a File to Your Amazon S3 Bucket



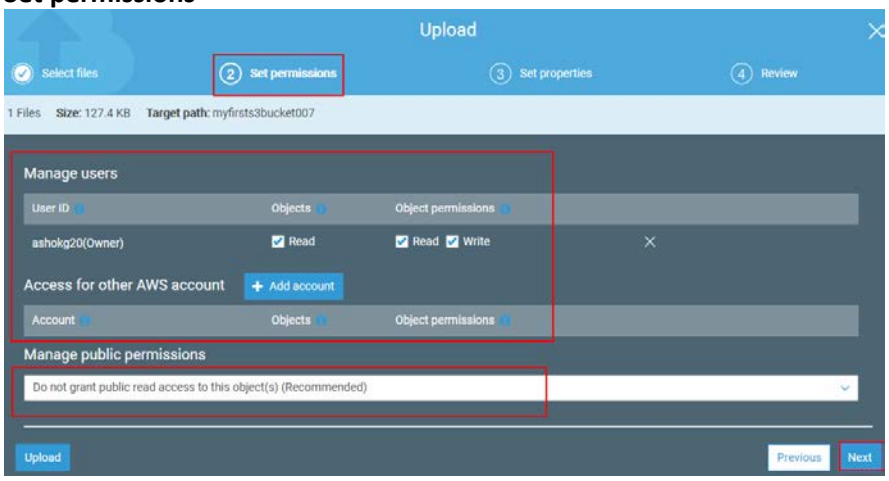
In the Amazon S3 console, choose the bucket where you want to upload an object, choose **Upload**, and then choose **Add Files**.



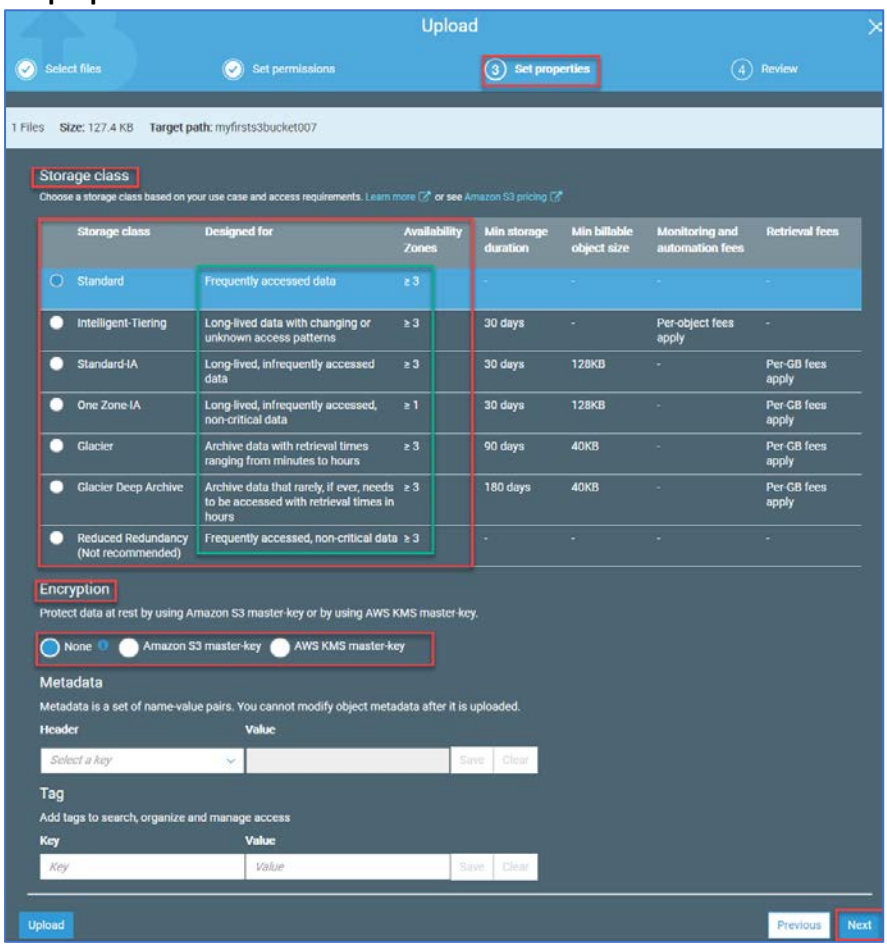
Select files



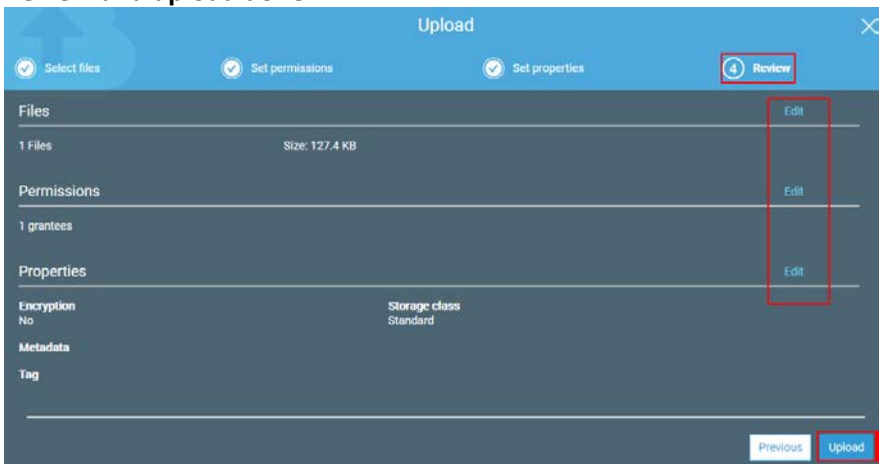
Set permissions



Set properties

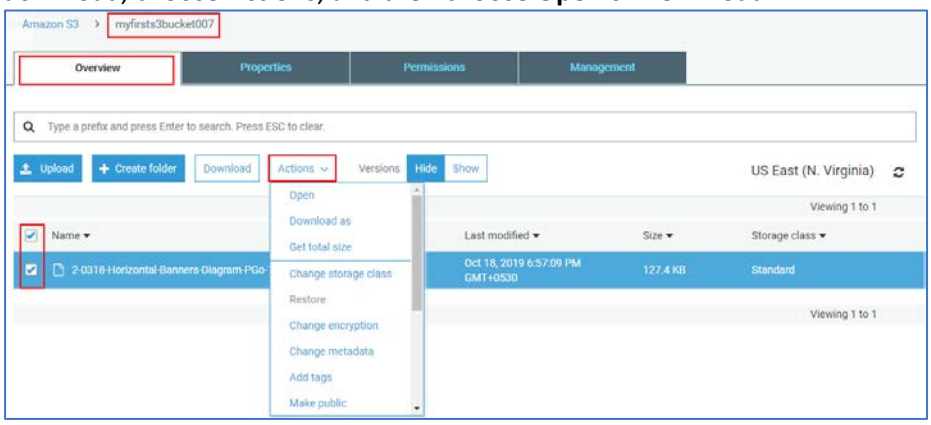


Review and upload done



Retrieve a File from Your Amazon S3 Bucket

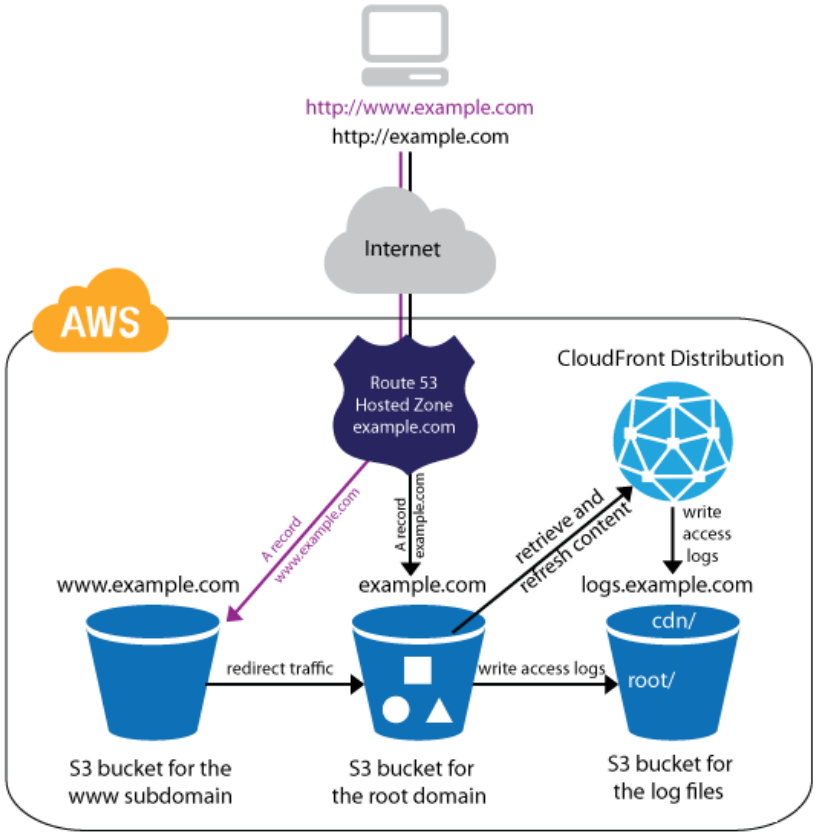
In the Amazon S3 console, choose your S3 bucket, choose the file that you want to open or download, choose **Actions**, and then choose **Open** or **Download**.

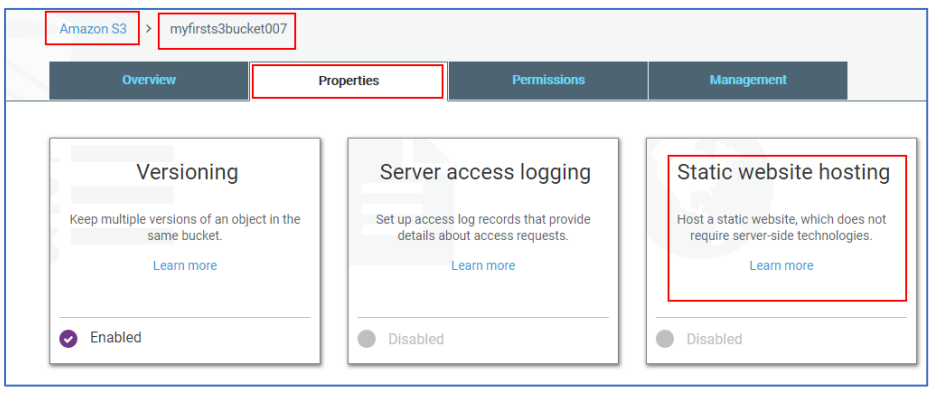


Configuring Your S3 Bucket for Static Website Hosting

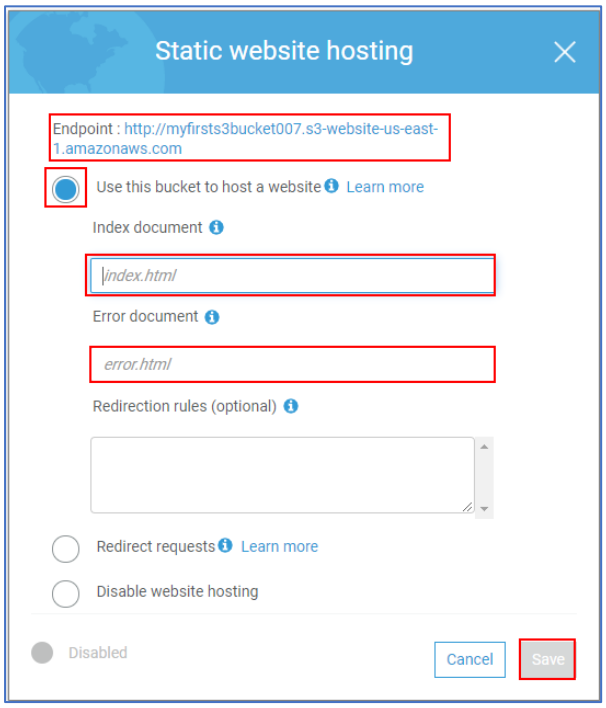
You can host a static website on Amazon S3. On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website relies on server-side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting. AWS also has resources for hosting dynamic websites. To learn more about website hosting on AWS

https://docs.aws.amazon.com/AmazonS3/latest/dev/website-hosting-custom-domain-walkthrough.html





- **Click into your bucket.**
- **Click the “Properties” section.**
- **Click the “Static website hosting” option.**
- **Select “Use this bucket to host a website”.**
- **Enter “index.html” as the Index document.**



This quick start guide includes the following topics:

- **Step 1: Create an Amazon S3 Bucket**
- **Step 2: Upload a File to Your Amazon S3 Bucket**
- **Step 3: Retrieve a File from Your Amazon S3 Bucket**
- **Step 4: Delete a File From Your Amazon S3 Bucket**

For more information about Amazon S3, see the Amazon Simple Storage Service Documentation.