

Amazon S3 > Create bucket

## Create bucket

Buckets are containers for data stored in S3. [Learn more](#)

### General configuration

#### Bucket name

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

#### Region

### Bucket settings for Block Public Access

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.

### 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

### Tags (1) - optional

Track storage cost or other criteria by tagging your bucket. [Learn more](#)

#### Key

#### Value - optional

### Default encryption

Automatically encrypt new objects stored in this bucket. [Learn more](#)

#### ☒ Server-side encryption

Protect data at rest with an Amazon S3-managed encryption key (SSE-S3) or an AWS KMS managed customer master key (SSE-KMS).

#### Encryption key type

To upload an object with a customer-provided encryption key (SSE-C), use the AWS CLI, AWS SDK, or Amazon S3 REST API.

☒ Amazon S3 key (SSE-S3)

An encryption key that Amazon S3 creates, manages, and uses for you. [Learn more](#)

☐ **AWS Key Management Service key (SSE-KMS)**

An encryption key protected by AWS Key Management Service (AWS KMS). [Learn more](#)

### ▼ Advanced settings


#### Object Lock


Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#)

☒ **Disable**

☐ **Enable**

Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.

 Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Bucket Versioning.

 After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket