

Project: Deploy Static Website on AWS

- Create S3 Bucket:

Amazon S3

Buckets

Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
AWS Organizations settings

Feature spotlight 3

➤ AWS Marketplace for S3

Account snapshot
Last updated: Dec 22, 2022 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#)

[View Storage Lens dashboard](#)

Total storage	Object count	Average object size
15.5 MB	15.4 k	1.0 KB

You can enable advanced metrics in the "default-account-dashboard" configuration.

Buckets (1) [Info](#)

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

< 1 > ⓘ

Name	AWS Region	Access	Creation date
my-354600943736-bucket	US East (N. Virginia)	us-east-1	January 7, 2023, 14:28:06 (UTC+03:00)

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- Upload files to S3 Bucket:

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my-354600943736-bucket [Info](#)

Publicly accessible

Objects Properties Permissions Metrics Management Access Points

Objects (4)
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](#)

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Name	Type	Last modified	Size	Storage class
css/	Folder	-	-	-
img/	Folder	-	-	-
index.html	html	January 7, 2023, 15:24:16 (UTC+03:00)	6.1 KB	Standard
vendor/	Folder	-	-	-

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- Secure Bucket via IAM:

The screenshot shows the AWS IAM console interface for the bucket 'my-354600943736-bucket'. The left sidebar contains navigation links for Amazon S3, Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area is titled 'Permissions overview' and includes sections for 'Access' (Public), 'Block public access (bucket settings)' (Off), and 'Bucket policy' (JSON). The bucket policy is shown as a JSON document with a single statement allowing 's3:GetObject' on the bucket.

Permissions overview

Access
Public

Block public access (bucket settings)
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 all your S3 buckets and 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 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
Off
Individual Block Public Access settings for this bucket

Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AddPerm",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3::my-354600943736-bucket/*"
    }
  ]
}
```

- Configure S3 Bucket:

The screenshot shows the AWS IAM console interface for the bucket 'my-354600943736-bucket'. The left sidebar is the same as the previous screenshot. The main content area is titled 'Configure S3 Bucket' and includes sections for 'Transfer acceleration' (Disabled), 'Object Lock' (Disabled), 'Requester pays' (Disabled), and 'Static website hosting' (Enabled). The 'Object Lock' section includes a message stating that Amazon S3 currently does not support enabling Object Lock after a bucket has been created.

Transfer acceleration
Use an accelerated endpoint for faster data transfers. [Learn more](#)
Transfer acceleration
Disabled

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](#)
Object Lock
Disabled
Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact [Customer Support](#)

Requester pays
When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)
Requester pays
Disabled

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)
Static website hosting
Enabled
Hosting type
Bucket hosting
Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)
<http://my-354600943736-bucket.s3-website-us-east-1.amazonaws.com>

- Distribute Website via CloudFront:

The screenshot displays the AWS CloudFront console interface. The top navigation bar includes the AWS logo, 'Services', a search bar, and user account information. The left sidebar shows the 'CloudFront' menu with options like 'Distributions', 'Policies', 'Functions', 'Telemetry', 'Reports & analytics', 'Security', and 'Key management'. The main content area shows the 'Distributions (1)' page with a table listing the distribution E154DPS642LFRP, which is in 'Production' status and 'Enabled'. Below this, the details for E154DPS642LFRP are shown, including tabs for 'General', 'Origins', 'Behaviors', 'Error pages', 'Geographic restrictions', 'Invalidations', and 'Tags'. The 'Details' section shows the distribution domain name, ARN, and last modified date. The 'Settings' section shows the description, alternate domain names, standard logging, cookie logging, supported HTTP versions, and default root object.

CloudFront Distributions (1)

ID	Descrip...	Type	Domain name	Alterna...	Origins	Status
E154DPS642LFRP	-	Production	d2u9k0ryek3u2c.cloudfr...	-	my-354600943:	Enabled

E154DPS642LFRP

Details

Distribution domain name d2u9k0ryek3u2c.cloudfront.net	ARN arn:aws:cloudfront::354600943736:distribution/E154DPS642LFRP	Last modified January 7, 2023 at 12:52:03 PM UTC
---	---	---

Settings

Description -	Alternate domain names -	Standard logging Off
Price class Use all edge locations (best performance)		Cookie logging Off
Supported HTTP versions HTTP/2, HTTP/1.1, HTTP/1.0		Default root object -
AWS WAF -		