

4. Create an S3 bucket and deploy the reactjs static application on it and provide with the public url for use.

The screenshot shows the 'Create bucket' page in the AWS Management Console. The breadcrumb navigation is 'Amazon S3 > Buckets > Create bucket'. The page title is 'Create bucket' with an 'info' icon. Below the title, it says 'Buckets are containers for data stored in S3. [Learn more](#)'. The 'General configuration' section contains a 'Bucket name' field with the value 'reactjsapplicationbucket', a note about globally unique names, an 'AWS Region' dropdown set to 'Asia Pacific (Tokyo) ap-northeast-1', and a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button.

The screenshot shows the 'Object Ownership' section. It explains that object ownership controls ownership of objects written to the bucket. There are two radio button options: 'ACLs disabled (recommended)' (selected) and 'ACLs enabled'. Below these, it shows 'Object Ownership' is 'Bucket owner enforced'. An information box at the bottom states: 'Upcoming permission changes to disable ACLs. Starting in April 2023, to disable ACLs when creating buckets by using the S3 console, you will no longer need the s3:PutBucketOwnershipControls permission. [Learn more](#)'.

The screenshot shows the 'Block Public Access settings for this bucket' section. It explains that public access is granted through ACLs, bucket policies, or access point policies. There are four checkboxes, all of which are unchecked: 'Block all public access', 'Block public access to buckets and objects granted through new access control lists (ACLs)', 'Block public access to buckets and objects granted through any access control lists (ACLs)', and 'Block public access to buckets and objects granted through new public bucket or access point policies'. A warning box at the bottom states: '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.'

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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 (0) - optional

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

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Tags (0) - optional

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption key type [Info](#)

☒ Amazon S3 managed keys (SSE-S3)

☐ AWS Key Management Service key (SSE-KMS)

Bucket Key

When KMS encryption is used to encrypt new objects in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS. [Learn more](#)

☐ Disable

☒ Enable

► Advanced settings

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

Cancel

Create bucket

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Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight

► AWS Marketplace for S3

Successfully created bucket "reactjsapplicationbucket"

To upload files and folders, or to configure additional bucket settings choose [View details](#).

Amazon S3 > Buckets

► Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (4) [Info](#)

Refresh

Copy ARN

Empty

Delete

Create bucket

Find buckets by name

< 1 >

	Name	AWS Region	Access	Creation date
<input type="radio"/>	bhanukondibucket	Asia Pacific (Mumbai) ap-south-1	Public	March 3, 2023, 23:22:19 (UTC+05:30)
<input type="radio"/>	mybucketbhanu	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	March 20, 2023, 19:48:41 (UTC+05:30)
<input type="radio"/>	reactappbucketbhanu	Asia Pacific (Tokyo) ap-northeast-1	Public	March 21, 2023, 13:53:23 (UTC+05:30)
<input checked="" type="radio"/>	reactjsapplicationbucket	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	March 22, 2023, 16:45:15 (UTC+05:30)

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Amazon S3 > Buckets > reactjsapplicationbucket > Upload

Upload

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

Files and folders (27 Total, 648.6 KB)

Remove

Add files

Add folder

All files and folders in this table will be uploaded.

Find by name

< 1 2 3 >

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	.gitignore	amazonreact/	text/plain	333.0 B
<input type="checkbox"/>	App.css	amazonreact/src/	text/css	149.0 B
<input type="checkbox"/>	App.js	amazonreact/src/	text/javascript	313.0 B
<input type="checkbox"/>	Card.js	amazonreact/src/components/Content/	text/javascript	1.2 KB
<input type="checkbox"/>	Header.js	amazonreact/src/components/Header/	text/javascript	1.2 KB
<input type="checkbox"/>	Main.js	amazonreact/src/components/Content/	text/javascript	138.0 B
<input type="checkbox"/>	README.md	amazonreact/	-	3.3 KB
<input type="checkbox"/>	\$	amazonreact/src/compo	-	0 B

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<input type="checkbox"/>	App.js	amazonreact/src/	text/javascript	313.0 B
<input type="checkbox"/>	Card.js	amazonreact/src/compo	text/javascript	1.2 KB
<input type="checkbox"/>	Header.js	amazonreact/src/compo	text/javascript	1.2 KB
<input type="checkbox"/>	Main.js	amazonreact/src/compo	text/javascript	138.0 B
<input type="checkbox"/>	README.md	amazonreact/	-	3.3 KB
<input type="checkbox"/>	\$	amazonreact/src/compo	-	0 B
<input type="checkbox"/>	Subheader.js	amazonreact/src/compo	text/javascript	1.3 KB
<input type="checkbox"/>	amazon.png	-	image/png	36.3 KB

Destination

s3://reactjsapplicationbucket

Destination details

Bucket settings that impact new objects stored in the specified destination.

Permissions

Grant public access and access to other AWS accounts.

Properties

Specify storage class, encryption settings, tags, and more.

Cancel

Upload

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Upload succeeded

View details below.

Upload: status

Close

The information below will no longer be available after you navigate away from this page.

Summary

Destination

s3://reactjsapplicationbucket

Succeeded

27 files, 648.6 KB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

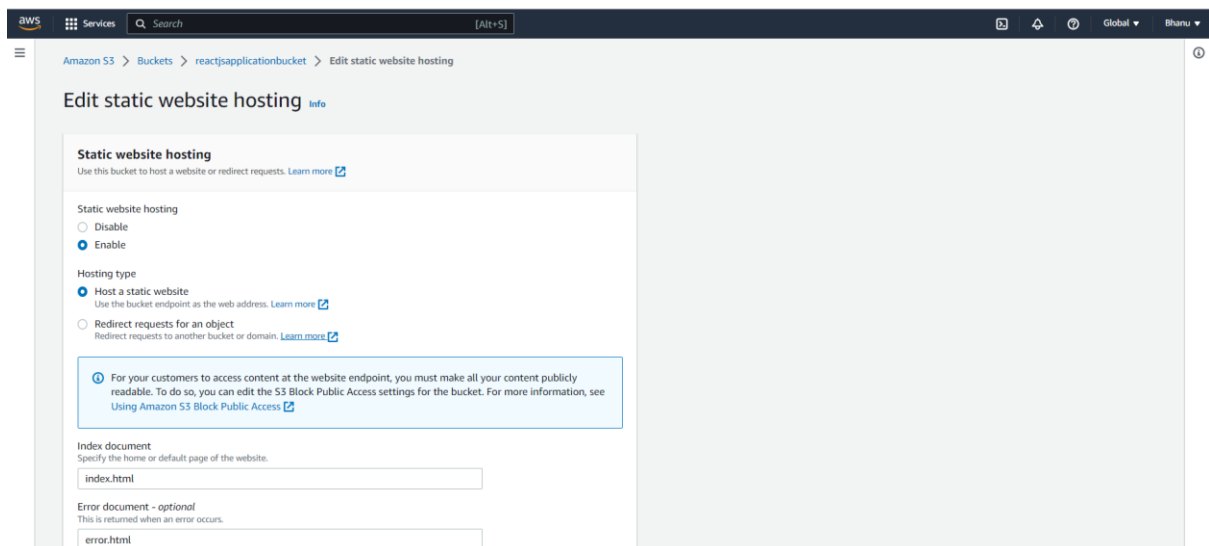
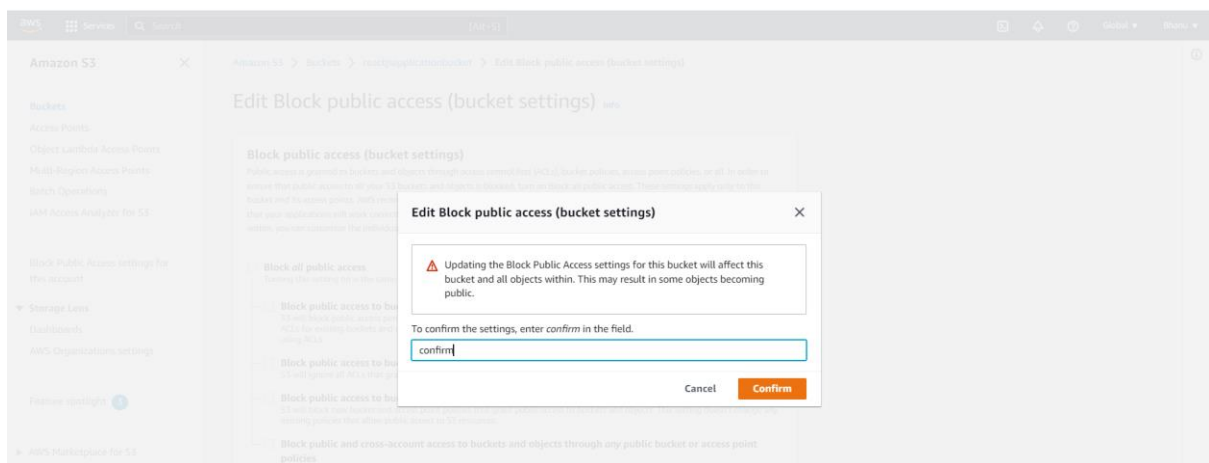
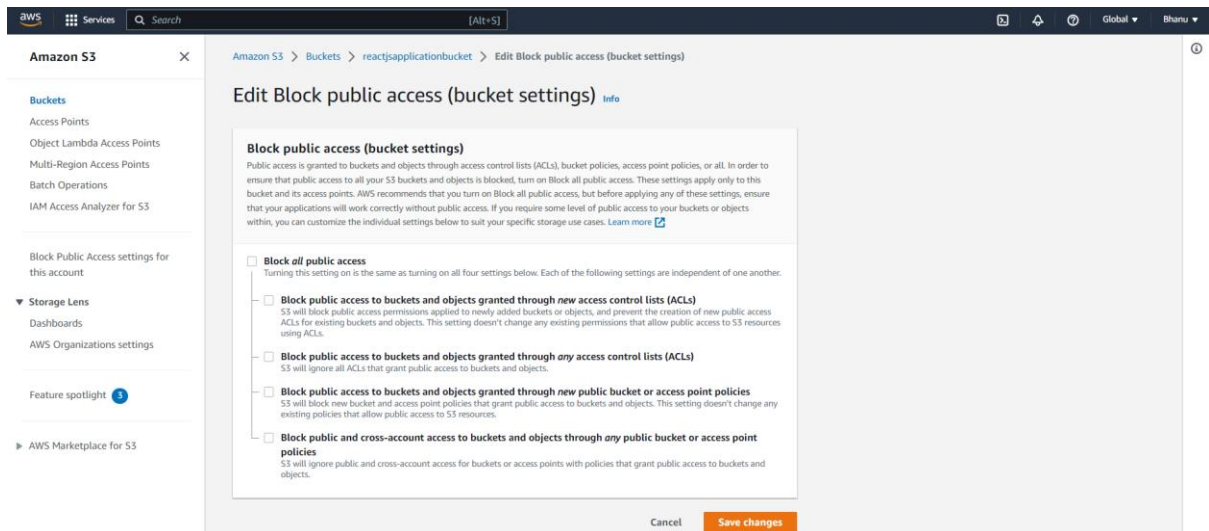
Configuration

Files and folders (27 Total, 648.6 KB)

Find by name

< 1 2 3 >

Name	Folder	Type	Size	Status	Error
.gitignore	amazonreact/	text/plain	333.0 B	Succeeded	-
App.css	amazonreact/src/	text/css	149.0 B	Succeeded	-
App.js	amazonreact/src/	text/javascript	313.0 B	Succeeded	-



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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](#)

1

Cancel

Save changes

Amazon S3

Buckets

reactjsapplicationbucket

reactjsapplicationbucket

Publicly accessible

Objects

Properties

Permissions

Metrics

Management

Access Points

Bucket overview

AWS Region

Asia Pacific (Tokyo) ap-northeast-1

Amazon Resource Name (ARN)

arnaws:s3::reactjsapplicationbucket

Creation date

March 22, 2023, 16:45:15 (UTC+05:30)

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](#)

Edit

Bucket Versioning

Disabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Services

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Successfully edited static website hosting.

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](#)

Edit

Requester pays

Disabled

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Edit

Static website hosting

Enabled

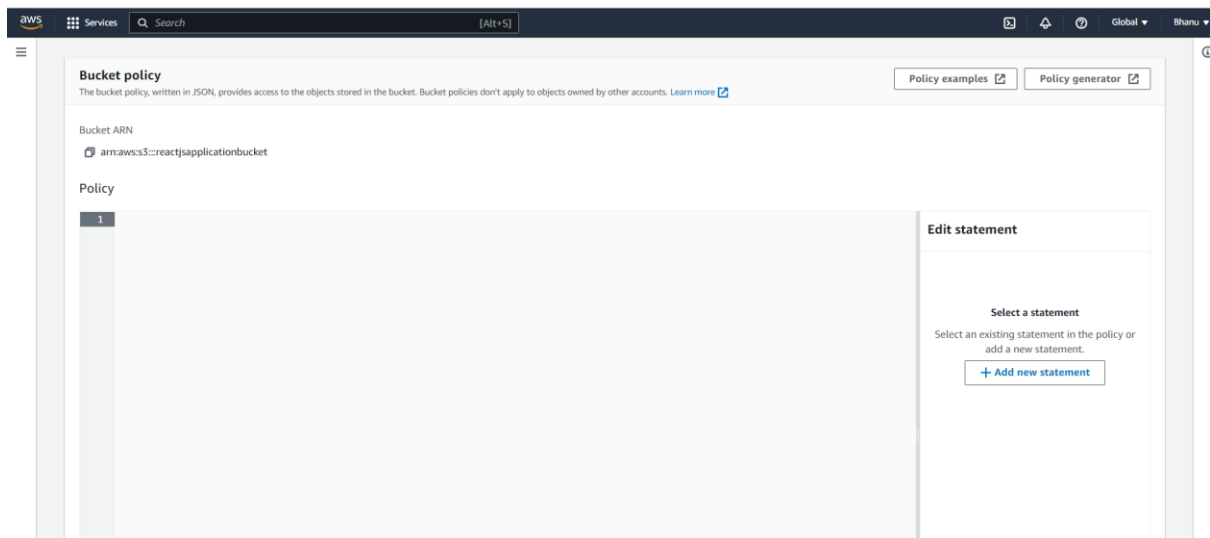
Hosting type

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://reactjsapplicationbucket-s3-website-ap-northeast-1.amazonaws.com>



← → ↺ 🔒 awspolicygen.s3.amazonaws.com/policygen.html

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a VPC Endpoint Policy, and an SQS Queue Policy.

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect ☒ Allow ☐ Deny

Principal
Use a comma to separate multiple values.

AWS Service Amazon S3 ☐ All Services ("*")
Use multiple statements to add permissions for more than one service.

Actions 1 Action(s) Selected ☐ All Actions ("*")

Amazon Resource Name (ARN)
ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${KeyName}.
Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

← → ↺ 🔒 awspolicygen.s3.amazonaws.com/policygen.html

Amazon Resource Name (ARN)
ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${KeyName}.
Use a comma to separate multiple values.

[Add Conditions \(Optional\)](#)

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
* *	Allow	s3:GetObject	arn:aws:s3:::reactjsapplicationbucket	None

Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

[Start Over](#)

