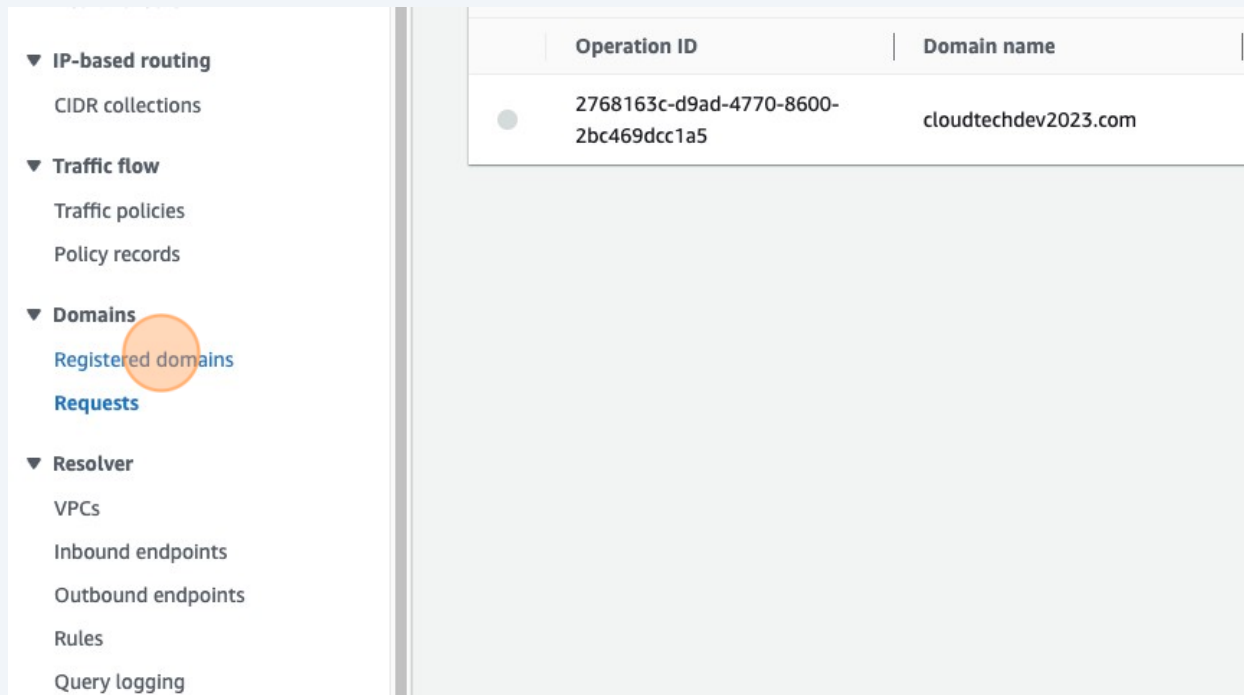# Launch A Website Using Route53 and S3

This guide provides step-by-step instructions on how to launch a website using Route53 and S3. It covers registering a domain, creating an S3 bucket, uploading website content, configuring the bucket for website hosting, setting up permissions, and creating DNS records. By following this guide, users can quickly and easily launch their own website using AWS services.

1 Navigate to us-east-1.console.aws.amazon.com/console/home?r...

2 Click on "Route 53" or search for in the search bar.
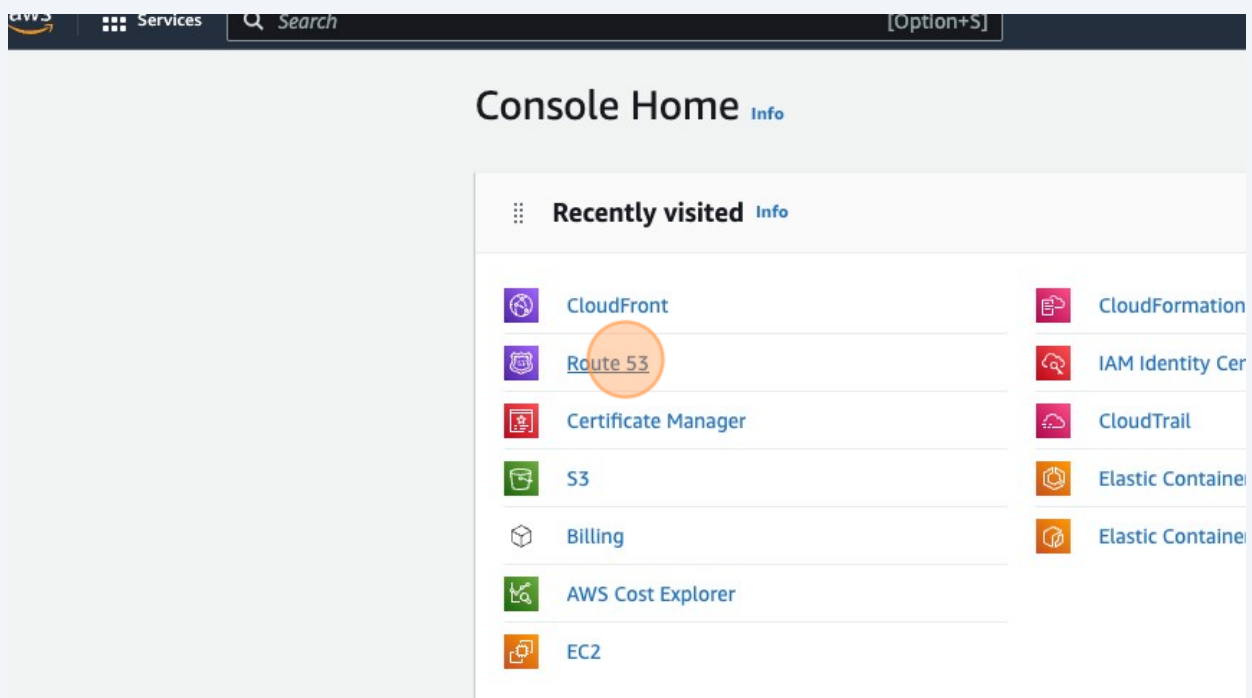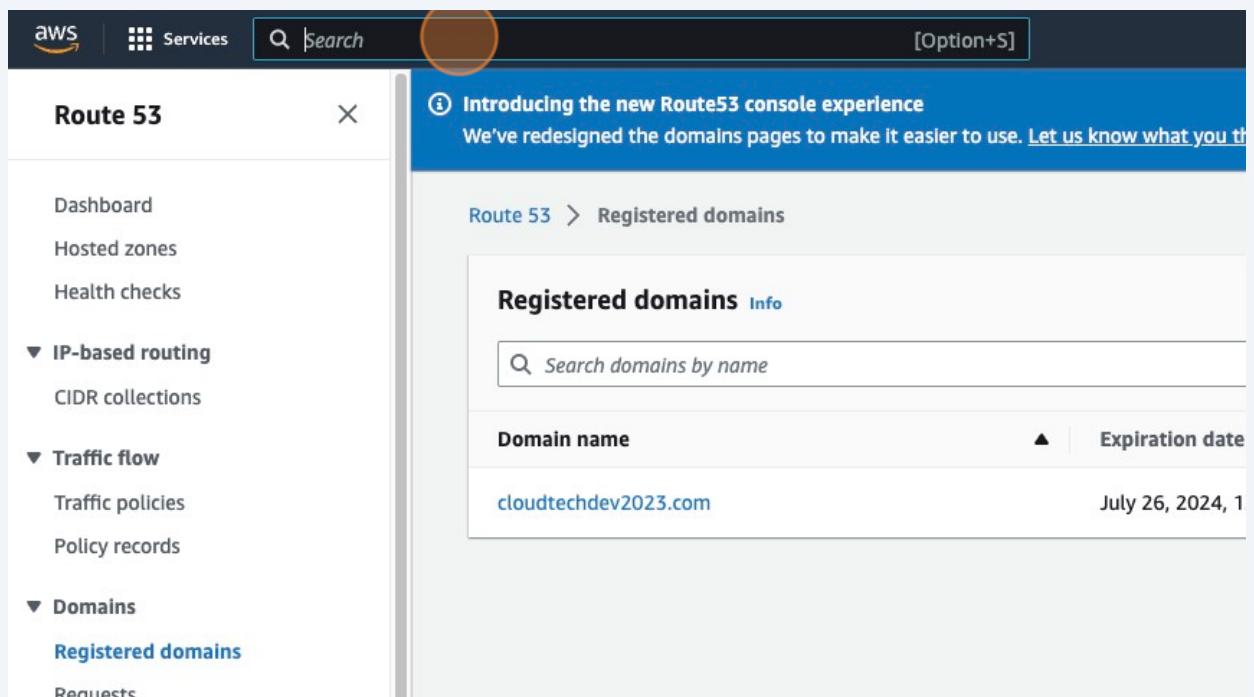
3   Click "Registered domains"

	Operation ID	Domain name
●	2768163c-d9ad-4770-8600-2bc469dcc1a5	cloudtechdev2023.com

▼ IP-based routing
    CIDR collections

▼ **Traffic flow**
    Traffic policies
    Policy records

▼ **Domains**
    Registered domains
    Requests

▼ **Resolver**
    VPCs
    Inbound endpoints
   Outbound endpoints
    Rules
    Query logging

4   See the domain you have already created. If you have not created a domain beforehand create one now. Type in a domain name with relevant information requested and created the domain. Registering the domain could take up to 15 minutes. Key factor is to verify your domain name and email address with an verification link from AWS sent the email you have provided when creating your domain.

aws   ::: Services   Q Search   [Option+S]

Route 53   ✕

ⓘ **Introducing the new Route53 console experience**
We've redesigned the domains pages to make it easier to use. Let us know what you th

Dashboard
Hosted zones
Health checks

▼ IP-based routing
    CIDR collections

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    Policy records

▼ **Domains**
    Registered domains
    Requests

Route 53 > Registered domains

Registered domains Info

Q Search domains by name

Domain name ▲	Expiration date
cloudtechdev2023.com	July 26, 2024, 1

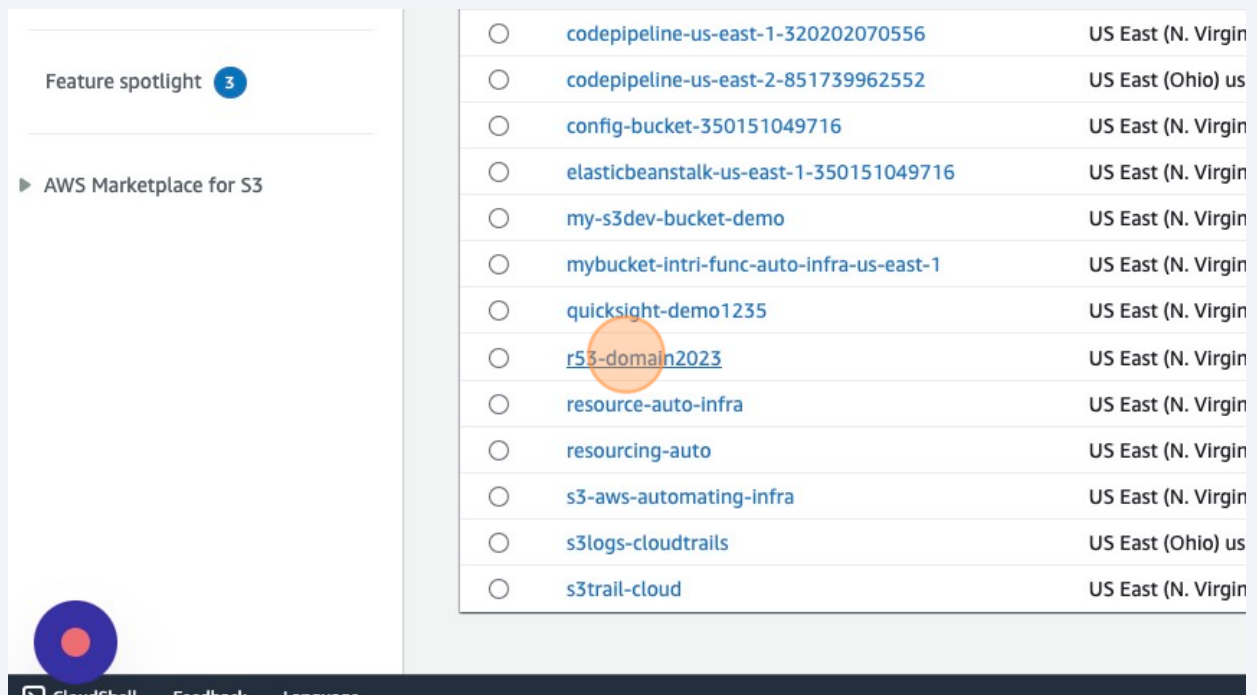**5** Type S3 in the search bar. Right-click on it and open in a new tab.
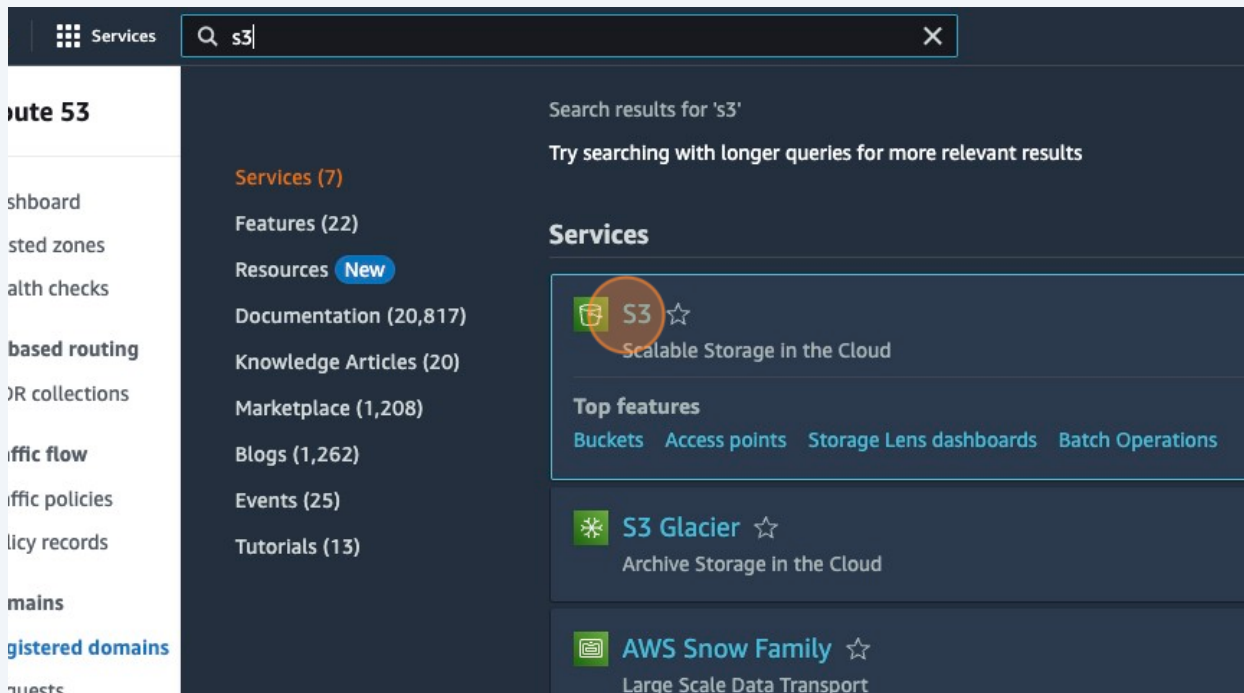
6 Click on "Buckets."
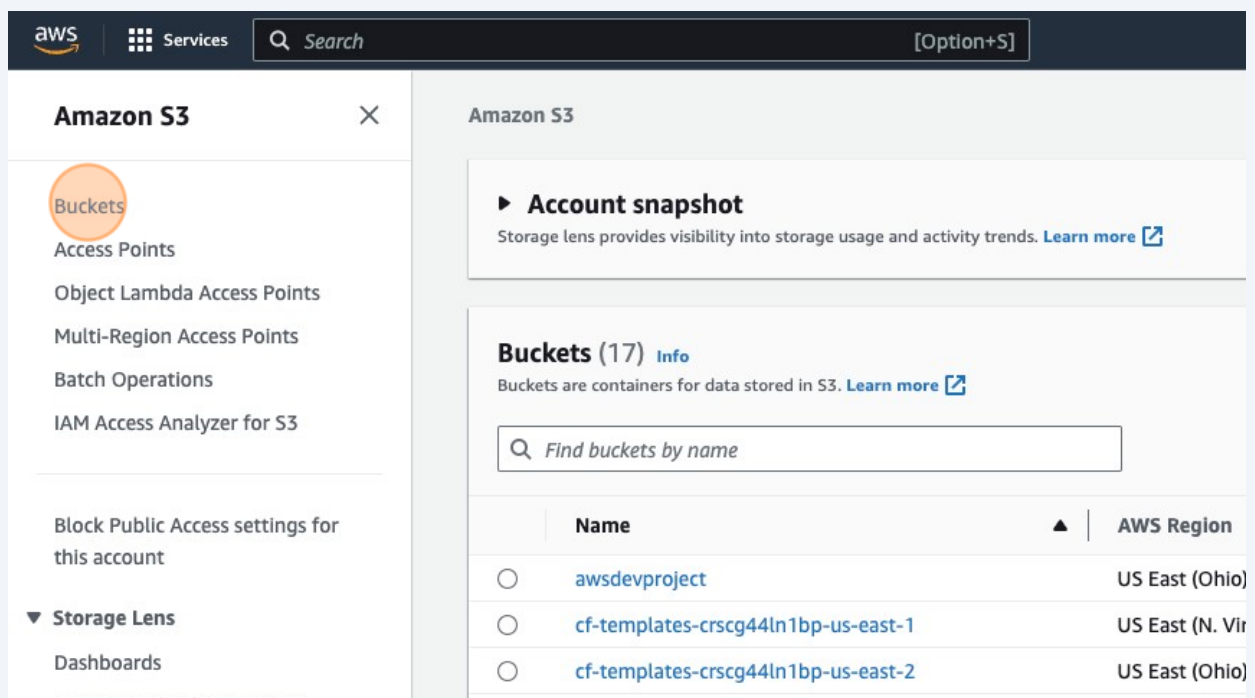
7 Click on the bucket associate with your domain created beforehand. If you do not have a bucket specific for the domain you created, create a bucket at that time.
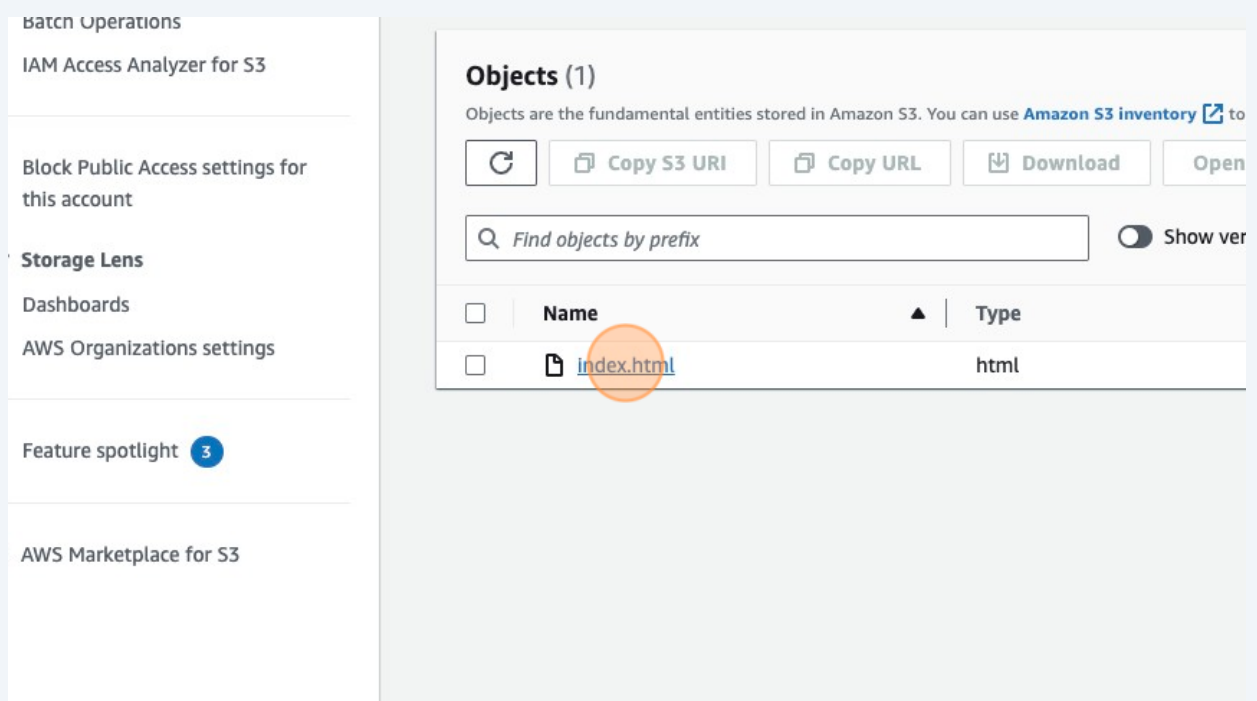
Feature spotlight **3**

▶ AWS Marketplace for S3

○	codepipeline-us-east-1-320202070556	US East (N. Virgin
○	codepipeline-us-east-2-851739962552	US East (Ohio) us
○	config-bucket-350151049716	US East (N. Virgin
○	elasticbeanstalk-us-east-1-350151049716	US East (N. Virgin
○	my-s3dev-bucket-demo	US East (N. Virgin
○	mybucket-intri-func-auto-infra-us-east-1	US East (N. Virgin
○	quicksight-demo1235	US East (N. Virgin
○	r53-domain2023	US East (N. Virgin
○	resource-auto-infra	US East (N. Virgin
○	resourcing-auto	US East (N. Virgin
○	s3-aws-automating-infra	US East (N. Virgin
○	s3logs-cloudtrails	US East (Ohio) us
○	s3trail-cloud	US East (N. Virgin

CloudShell   Feedback   Language

8 After creating your bucket you will upload your index.html file with the contents of your website in the Objects tab.

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings
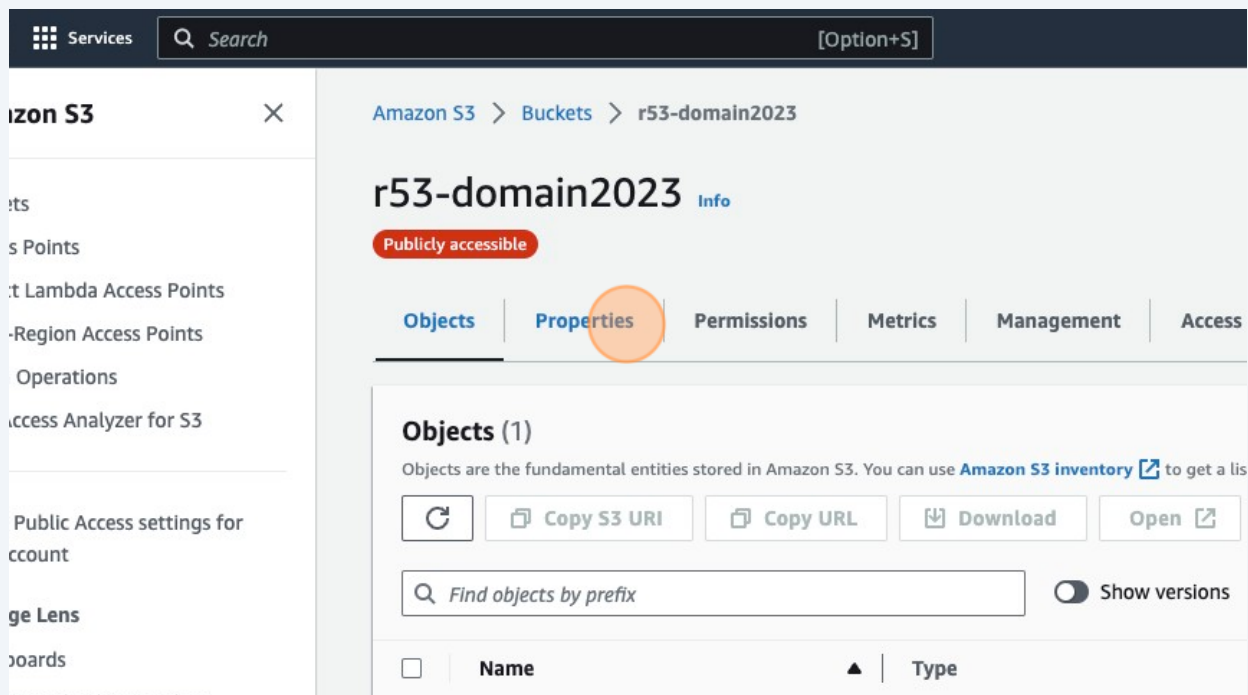
Feature spotlight **3**

AWS Marketplace for S3

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use **Amazon S3 inventory** 🔗 to
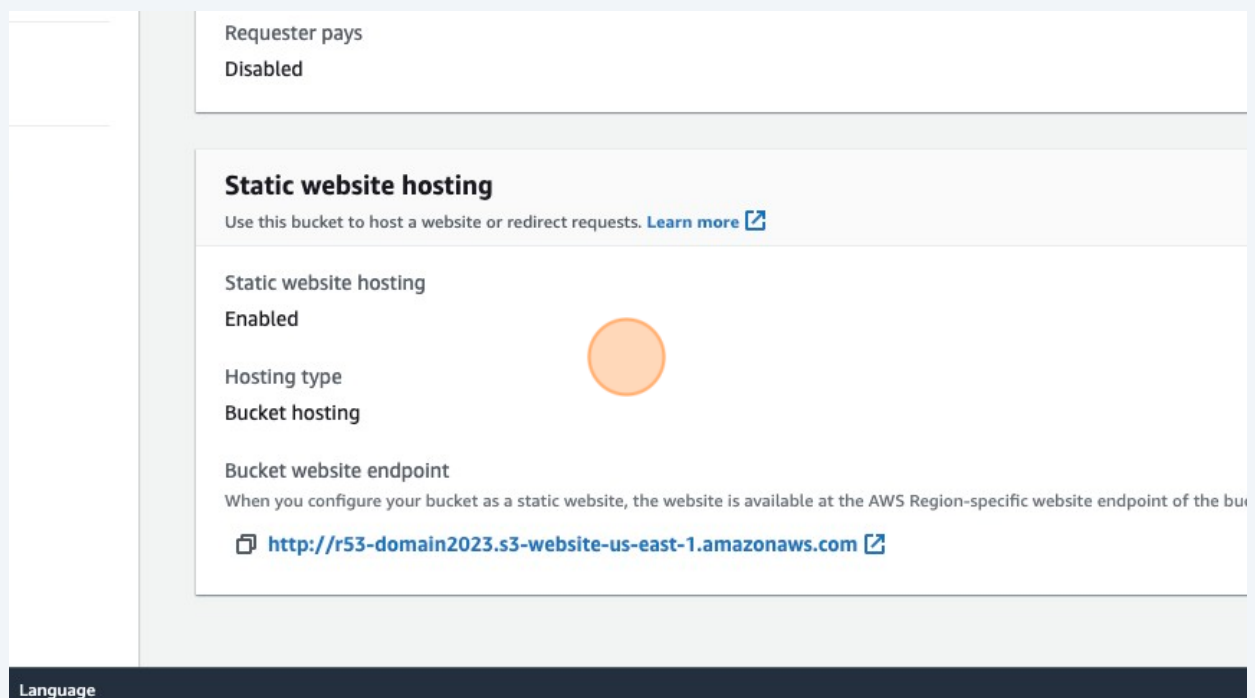
⟳   ⎘ Copy S3 URI   ⎘ Copy URL   ⬇ Download   Open

🔍 Find objects by prefix   ⬤ Show ver

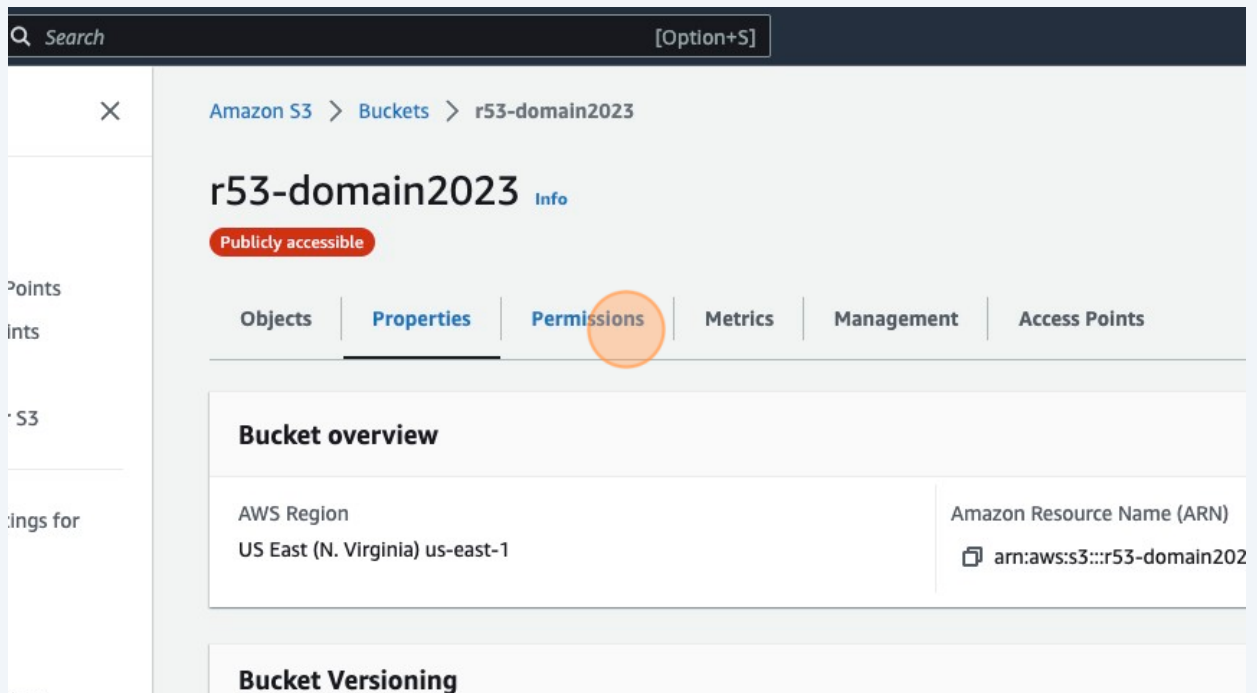| ☐	**Name**	▲	**Type**
☐	🗋 index.html		html

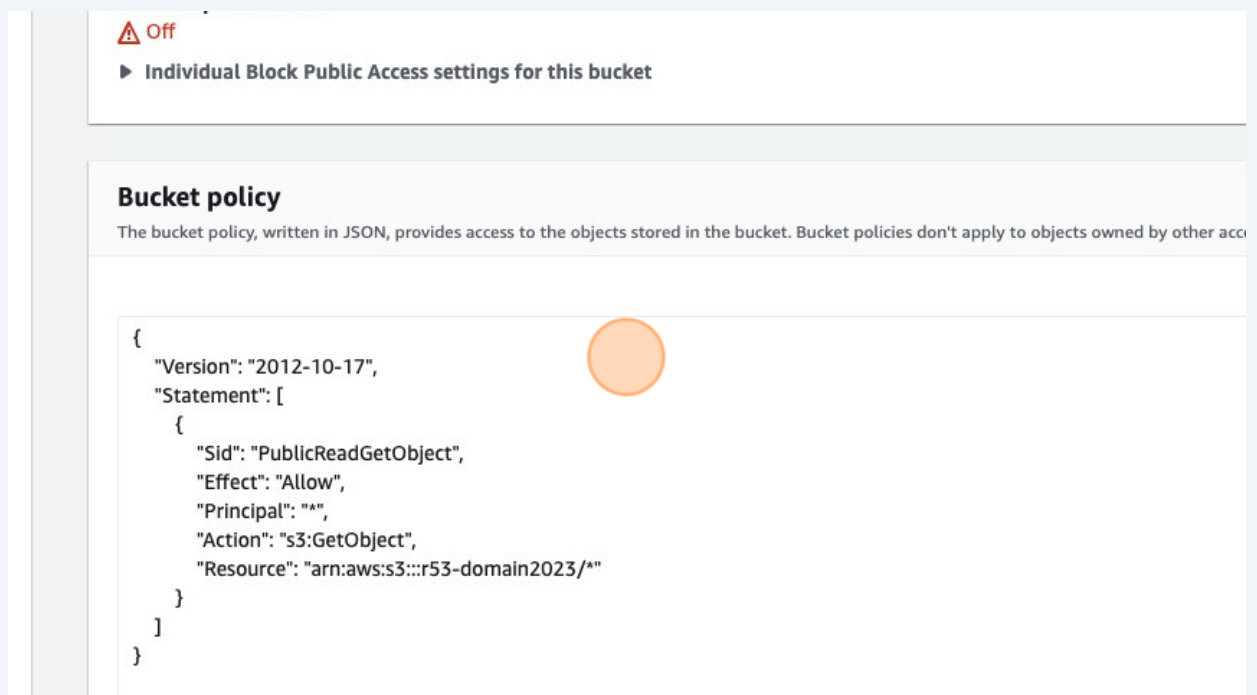**9** Click on the "Properties" tab of your S3 bucket that you have created.

10 Here you will see your Bucket website endpoint. If you do not see it then you will need to edit your Static website hosting and enable it.

11 Click on the "Permissions" tab of your bucket.

12 Here you will need to have a bucket policy for your S3 bucket for access. IAM.

13

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 objec

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Sid": "PublicReadGetObject",
            "Effect": "Allow",
            "Principal": "*",
            "Action": "s3:GetObject",
            "Resource": "arn:aws:s3:::r53-domain2023/*"
        }
```

ccess Points

ess Points

zer for S3

ss settings for

ns settings

3

14 Click on "Hosted zones"

aws ⠿ Services | 🔍 s3 | ✕

Route 53 ✕

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▼ **Domains**

Registered domains

Requests

Route 53 > Registered domains

Registered domains Info

🔍 Search domains by name

Domain name	▲	Expiration date
cloudtechdev2023.com		July 26, 2024, 1

15 Here you will see the hosted zones automatically created for your domain once you have registered it. If you accidentally delete your hosted zone for your domain you can create one manually. One inside your hosted zone you will see your records. You will need to create a record for your domain website to be accessible.

16

17 Copy and paste your domain name into a new tab.

Route 53   ✕

Dashboard
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   Registered domains
   Requests

Route 53 ❯ Hosted zones ❯ cloudtechdev2023.com

Public **cloudtechdev2023.com** Info

▼ **Hosted zone details**

Hosted zone name	Query log
cloudtechdev2023.com	-
Hosted zone ID	Type
Z03385601JFREPDBDBVLX	Public hosted zone
Description	Record count
HostedZone created by Route53 Registrar	5

Records (5)   DNSSEC signing   Hosted zone tags (0)

18 See your domain website.

Hello, welcome to my website

This is my website for testing.