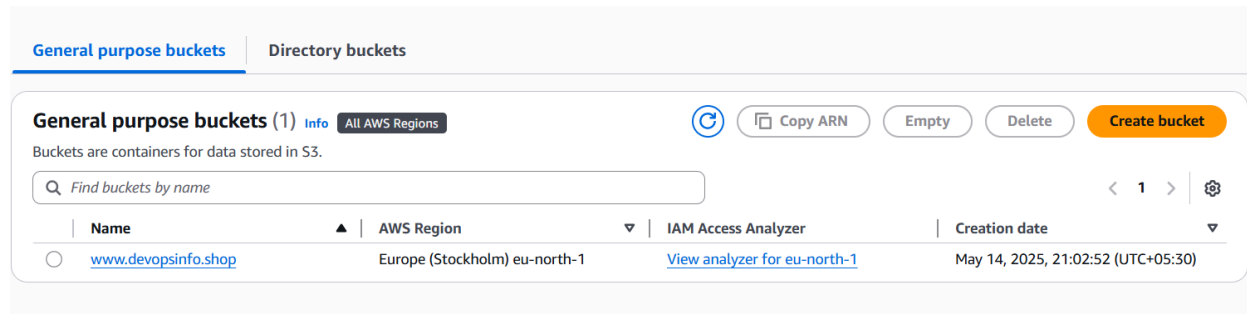


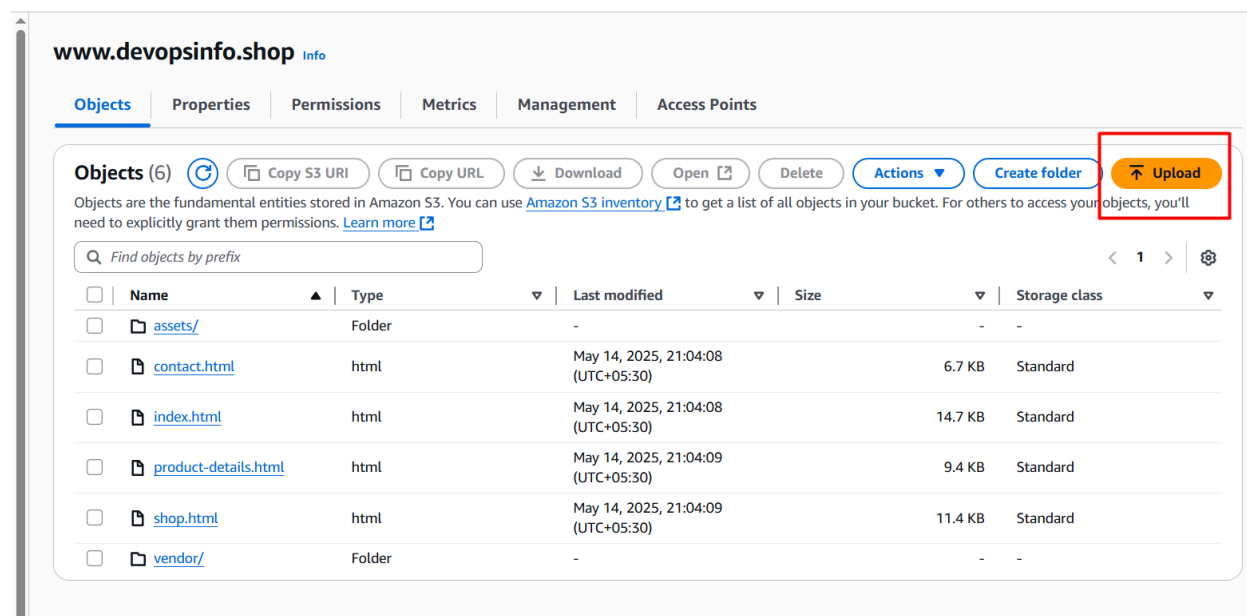
## ec2 instance nginx server add ssl certificate for godaddy domain devopsinfo.shop

### 1. Static Website Hosting

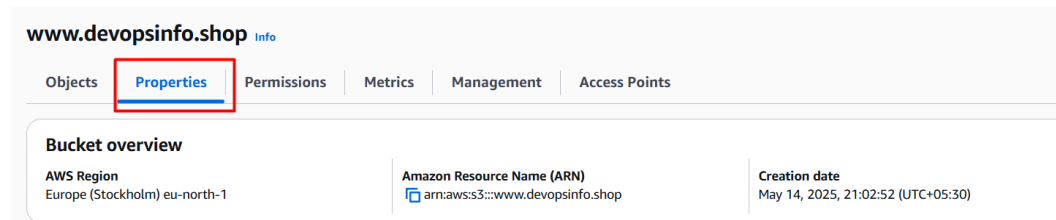
- Go to the **S3 console**.
- Create the **bucket**.
- Bucket Name Should be your domain name (like :www.devopsinfo.shop).



- Upload file on Bucket.



- Go to the **Properties** tab.
- Enable **Static website hosting**



Static website hosting

Edit

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

We recommend using AWS Amplify Hosting for static website hosting. Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about [Amplify Hosting](#) or [View your existing Amplify apps](#).

Create Amplify app

S3 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://www.devopsinfo.shop.s3-website.eu-north-1.amazonaws.com>

- Go to the **permissions** tab.
- Edit and paste

Objects

Properties

Permissions

Metrics

Management

Access Points

Permissions overview

Access finding

Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)

[View analyzer for eu-north-1](#)

Block public access (bucket settings)

Edit

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

Edit

Delete

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::www.devopsinfo.shop/*"
    }
  ]
}
```

Copy

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::www.devopsinfo.shop/*"
    }
  ]
}
```

2 .Then open url and open website

- Go to the **Properties** tab.
- Go to the **Bucket website endpoint**

<http://www.devopsinfo.shop.s3-website.eu-north-1.amazonaws.com>

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

**Static website hosting**  
We recommend using **AWS Amplify Hosting** for static website hosting. Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about [Amplify Hosting](#) or [View your existing Amplify apps](#)

Create Amplify app

**S3 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://www.devopsinfo.shop.s3-website.eu-north-1.amazonaws.com>

Go to Your Domain Dashboard and Login Your Domain  
Add **DNS Records**

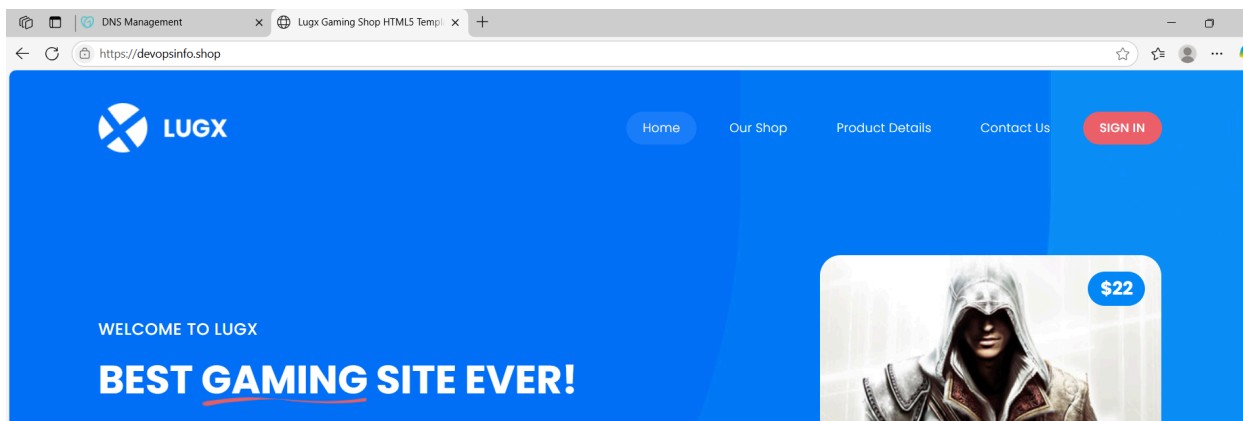
**DNS Records** Forwarding Nameservers Premium DNS Hostnames DNSSEC Crypto Wallet

**Add a new record**  
[DNS records](#) define how your domain behaves, like showing your website content and delivering your email.  
Add New Record

**Easily verify domain ownership**  
Need to verify ownership of your domain to connect to an external service? We've made it easier than ever.  
Verify Domain Ownership

Type ?	Name ?	Data ?	TTL ?	Delete	Edit
<input type="checkbox"/>	A	@	Ec2 Instance Public Ip 16.170.243.150	600 seconds	
<input type="checkbox"/>	A	www	16.170.243.150	600 seconds	

Optional(And Also Add type CNAME and Name www and data  
<http://www.devopsinfo.shop.s3-website.eu-north-1.amazonaws.com> and save)



## Setup Nginx ssl Certificate

```
sudo apt update
```

```
sudo apt install nginx
```

```
sudo systemctl start nginx
```

```
sudo systemctl enable nginx
```

```
sudo apt install certbot python3-certbot-nginx
```

```
sudo nano /etc/nginx/sites-available/devopsinfo.shop.conf
```

```
server {  
    server_name devopsinfo.shop www.devopsinfo.shop;  
  
    # Redirect HTTP to HTTPS  
    location / {  
        return 301 https://$host$request_uri;  
    }  
}
```

```
sudo ln -s /etc/nginx/sites-available/devopsinfo.shop /etc/nginx/sites-enabled/
```

```
sudo nginx -t
```

```
sudo systemctl reload nginx
```

```
sudo certbot --nginx -d devopsinfo.shop -d www.devopsinfo.shop
```

After That Add `sudo nano /etc/nginx/sites-available/devopsinfo.shop.conf`

```
server {
    listen 443 ssl; # managed by Certbot
    server_name devopsinfo.shop www.devopsinfo.shop;

    ssl_certificate /etc/letsencrypt/live/devopsinfo.shop/fullchain.pem; # managed
by Certbot
    ssl_certificate_key /etc/letsencrypt/live/devopsinfo.shop/privkey.pem; #
managed by Certbot
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot

    # Basic SSL settings - keep it simple for now
    ssl_protocols TLSv1.2 TLSv1.3;

    # Very important - adjust these settings for your specific S3 bucket
    # Replace 'your-bucket-name' and 'your-region' with actual values
    location / {
        # Use Google's DNS resolver
        resolver 8.8.8.8;

        # Set to your actual S3 website endpoint
        set $s3_bucket
"www.devopsinfo.shop.s3-website.eu-north-1.amazonaws.com";

        # Use a simple proxy_pass with the variable
        proxy_pass http://$s3_bucket;

        # Include required headers but keep them minimal
        proxy_set_header Host $s3_bucket;
        proxy_set_header X-Real-IP $remote_addr;

        # Disable proxy redirects to avoid issues
        proxy_redirect off;

        # Increase timeouts to handle S3's occasionally slower responses
        proxy_connect_timeout 120s;
        proxy_read_timeout 120s;
```

```

}

# Detailed logging for troubleshooting
access_log /var/log/nginx/devopsinfo.shop-access.log;
error_log /var/log/nginx/devopsinfo.shop-error.log debug;
}
server {
    if ($host = www.devopsinfo.shop) {
        return 301 https://$host$request_uri;
    } # managed by Certbot

    if ($host = devopsinfo.shop) {
        return 301 https://$host$request_uri;
    } # managed by Certbot

    listen 80;
    server_name devopsinfo.shop www.devopsinfo.shop;
    return 404; # managed by Certbot

}

```

```

sudo ln -s /etc/nginx/sites-available/devopsinfo.shop /etc/nginx/sites-enabled/
sudo nginx -t
sudo systemctl reload nginx

```

And open url <https://devopsinfo.shop/> on browser

