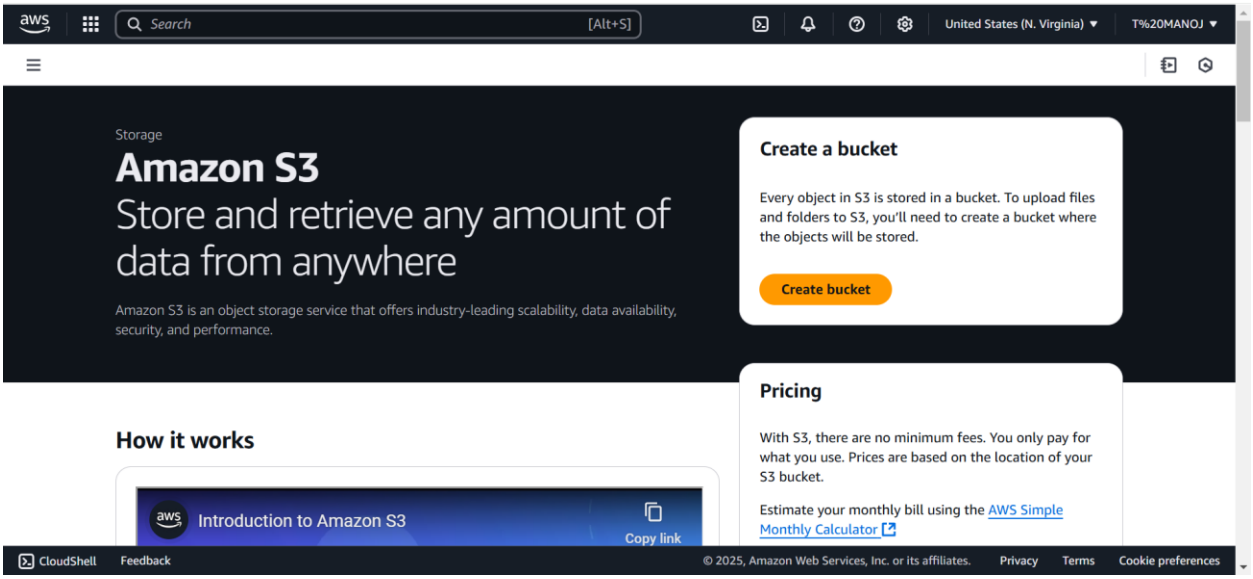
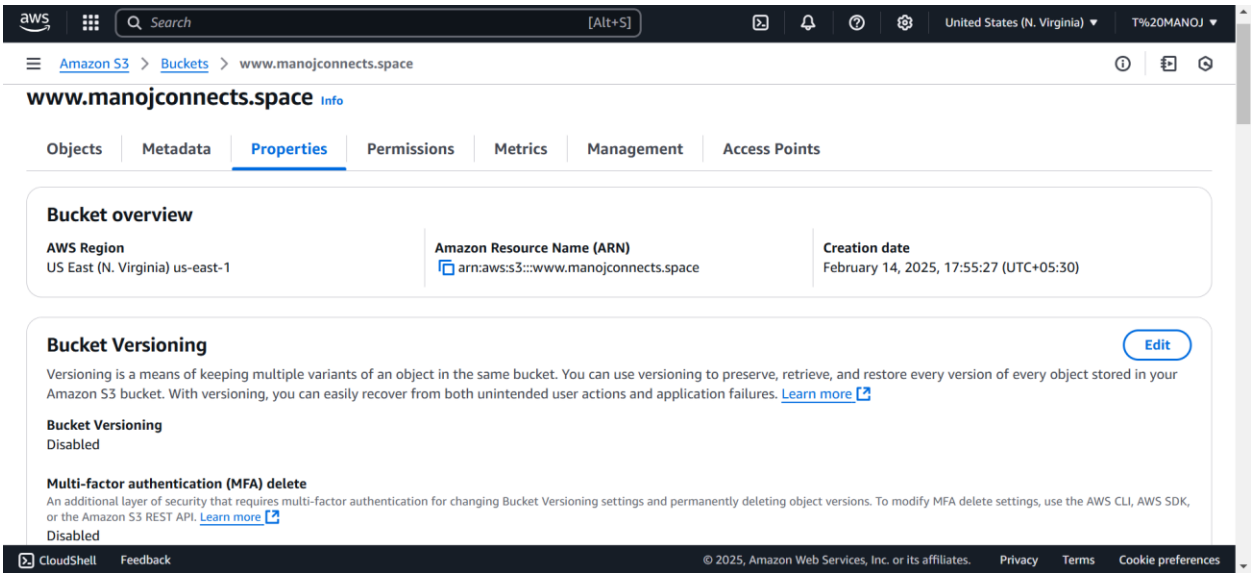
# Deploying a static Website using Cloud Front with SSL Certificate

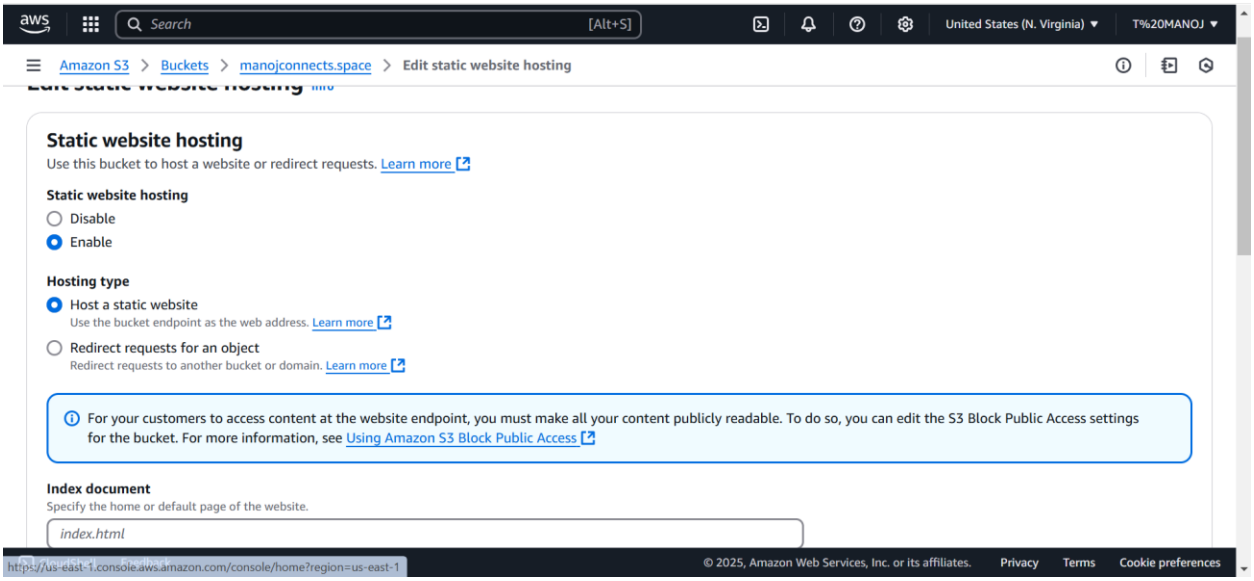
Step 1: Create S3 Buckets with WWW and NON-WWW

1. Go to AWS Console → S3 → Create bucket.

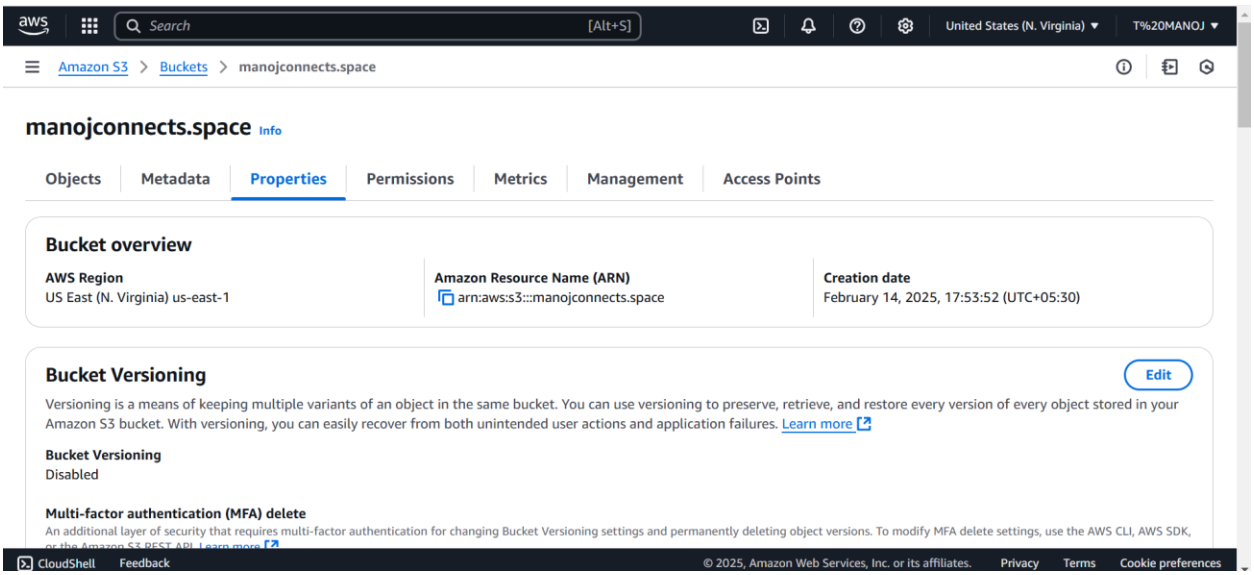


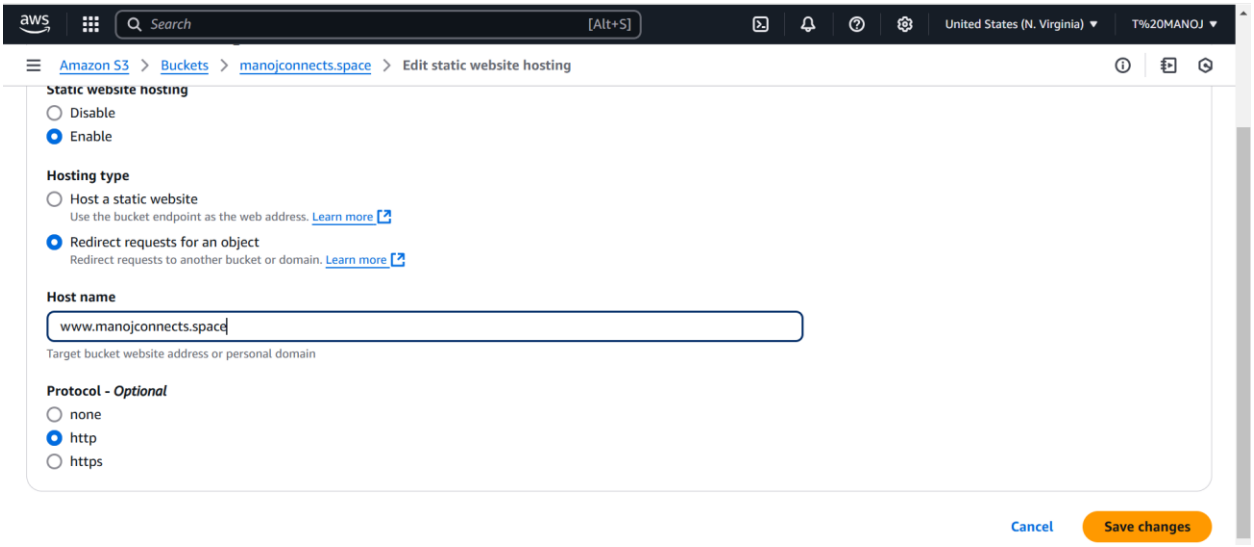

2. Create Public Bucket (www.manojconnects.space).
    a. Bucket name: www.manojconnects.space.
    b. Uncheck "Block all public access" (since this will be a public website).
    c. Enable Static website hosting.
    d. Set index document: `index.html`.
    e. Click "Create bucket".




3. Create Private Bucket (manojconnects.space).
    a. Bucket name: manojconnects.space.
    b. Keep "Block all public access" enabled (default).
    c. Enable Static website hosting.
    d. Set redirect to `https://www.manojconnects.space`.
    e. Click "Create bucket".



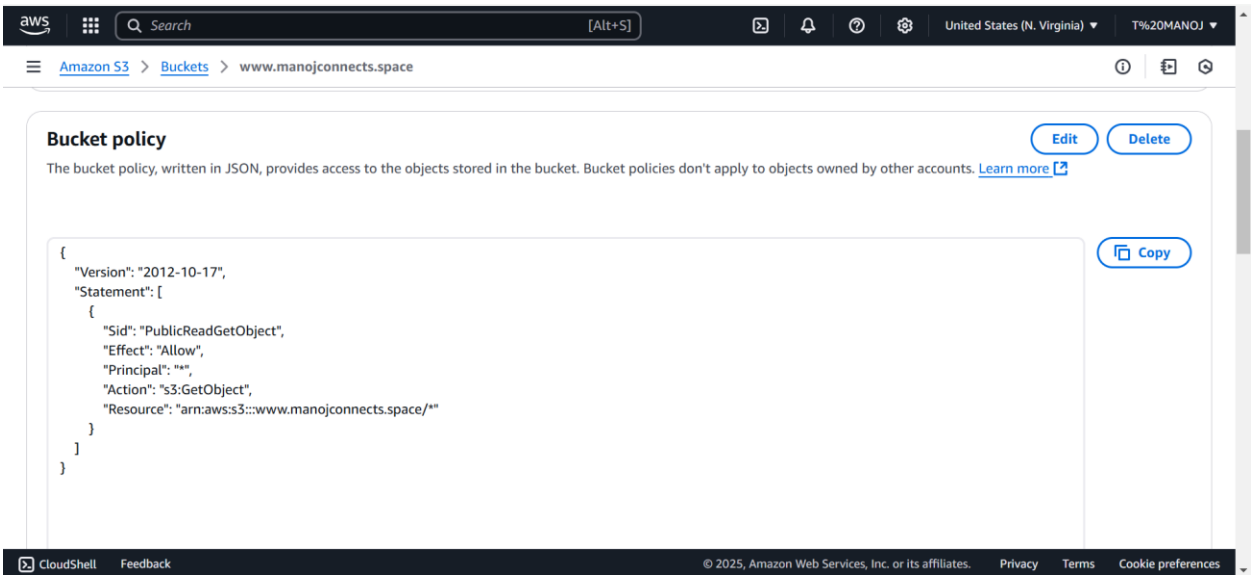

Step 2: Configure Public Bucket Policy

1. Go to S3 → Buckets → www.manojconnects.space.
2. Permissions → Bucket Policy → Add Policy.
3. Use the following JSON policy:

```
json
{
  "Version": "2012-10-17",
  "Statement": [
    {
```

```
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::www.manojconnects.space/*"
    }
  ]
}
```

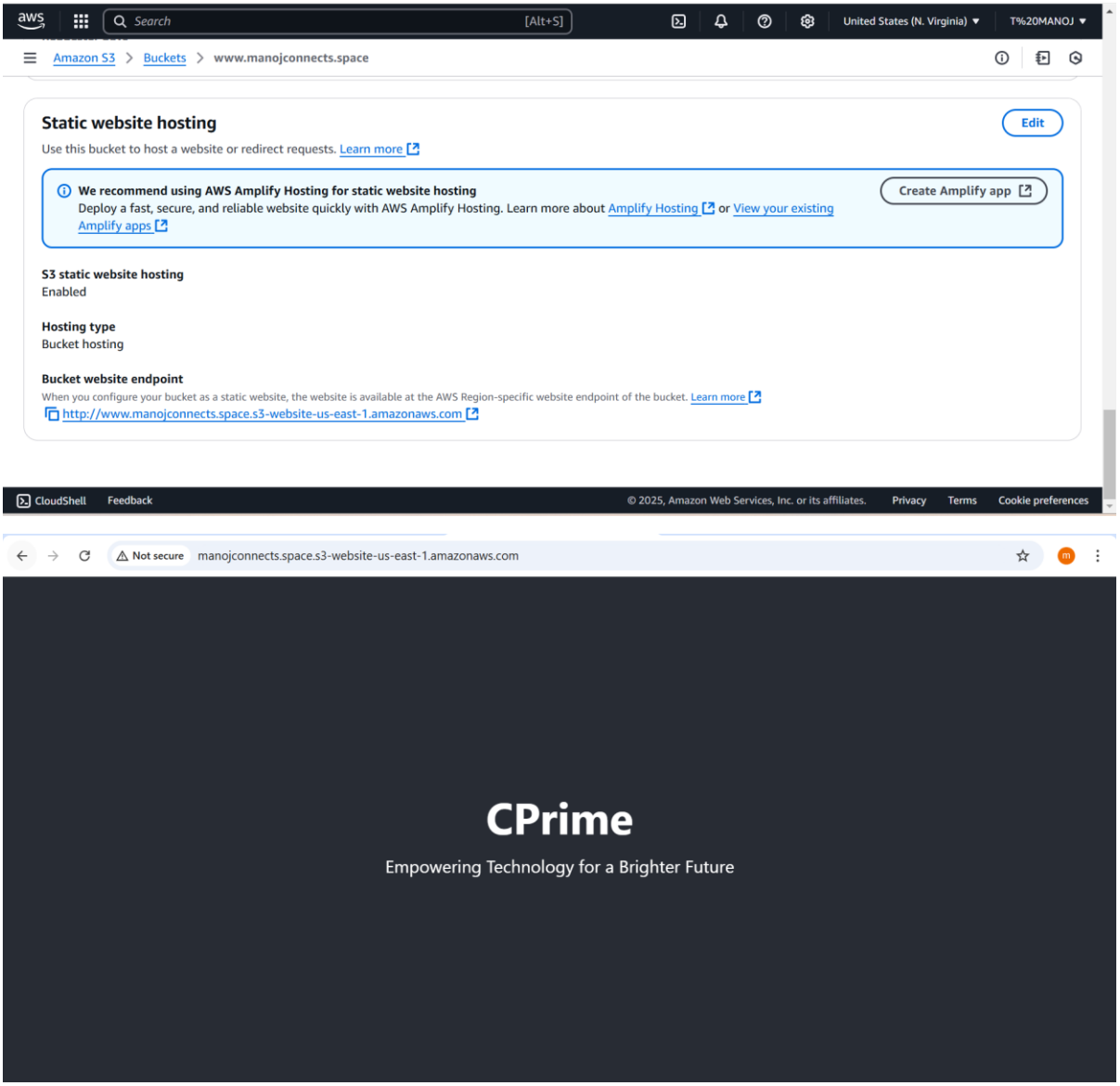
4. Save Changes.




Step 3: Upload Website Files

1. Go to S3 → Buckets → www.manojconnects.space.
2. Click "Upload" → Select `index.html` and other files.

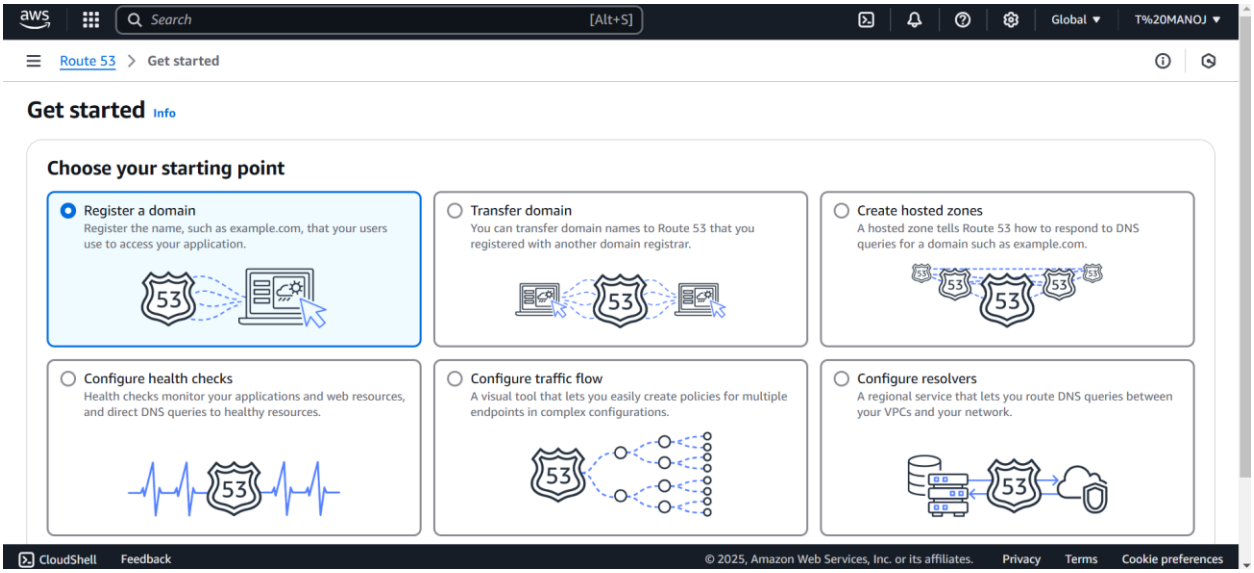
3. Click "Upload".

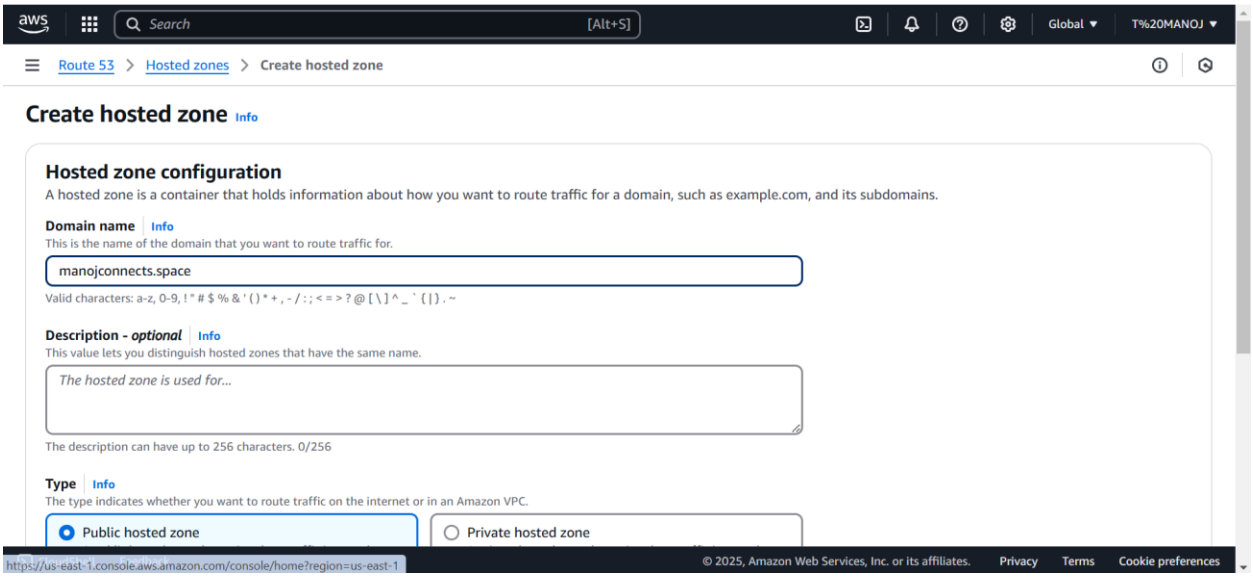


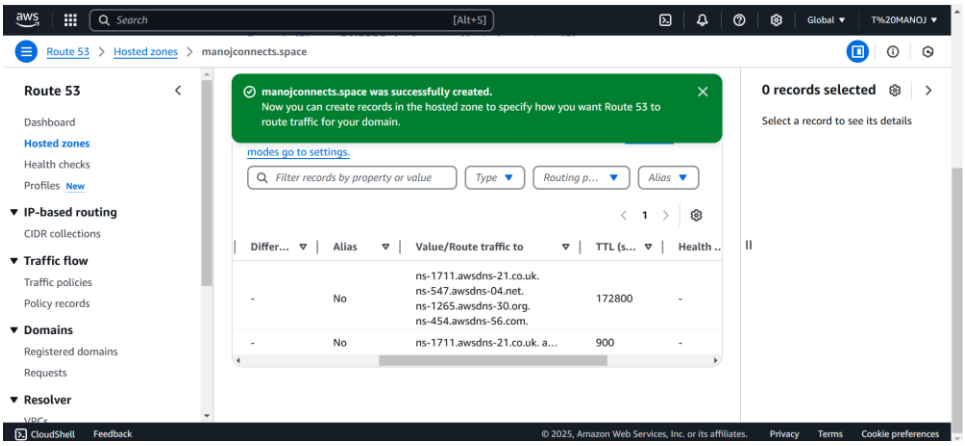

Step 4: Set Up Route 53 Hosted Zone

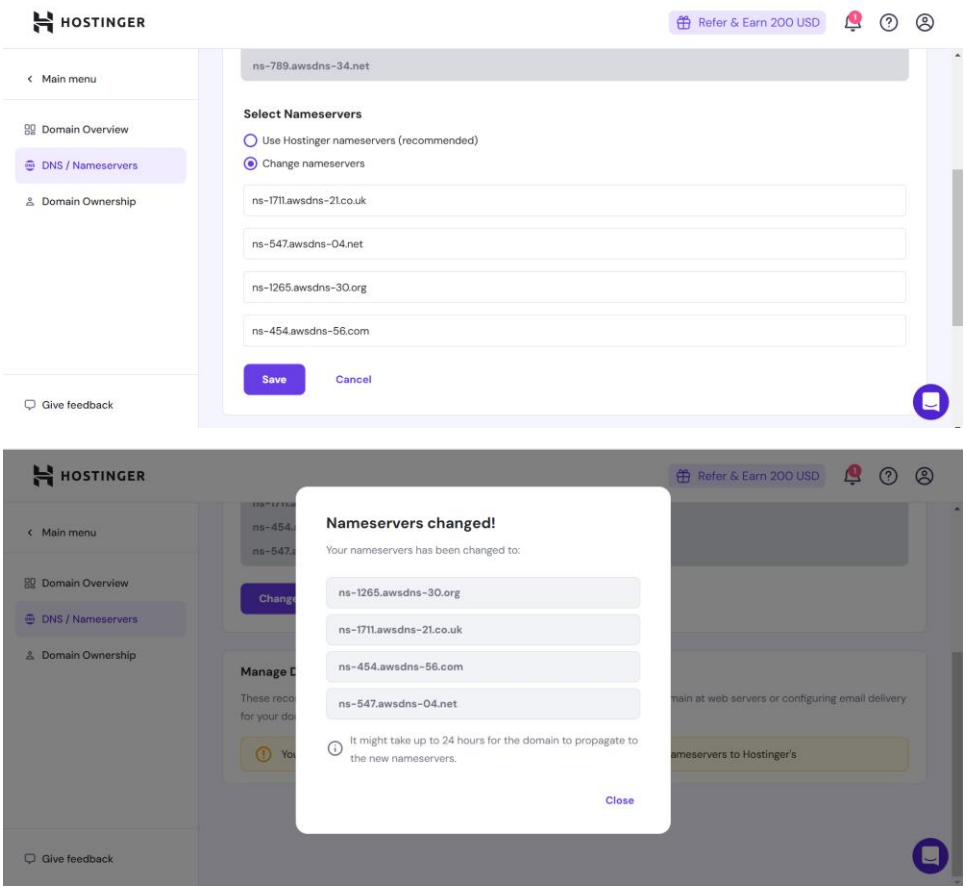
1. Go to AWS Console → Route 53 → Hosted zones.
2. Click "Create hosted zone".
    a. Domain name: manojconnects.space.
    b. Type: Public Hosted Zone.
3. Click "Create".

4. Copy Name Server (NS) records and update them in Hostinger Name Servers.



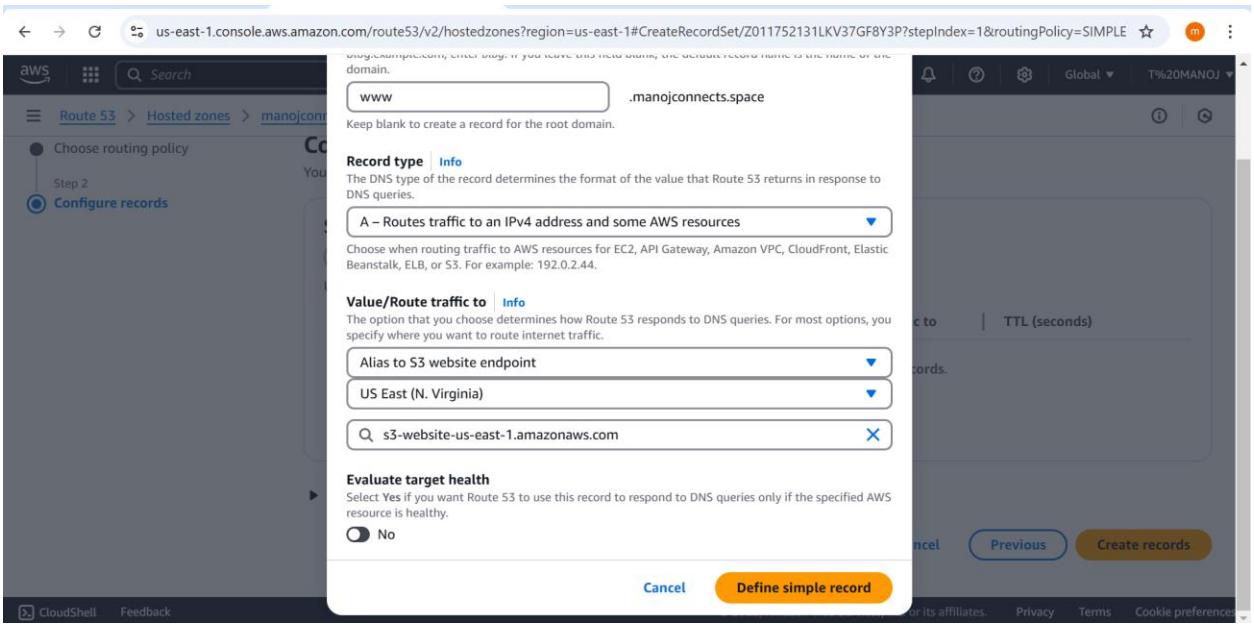



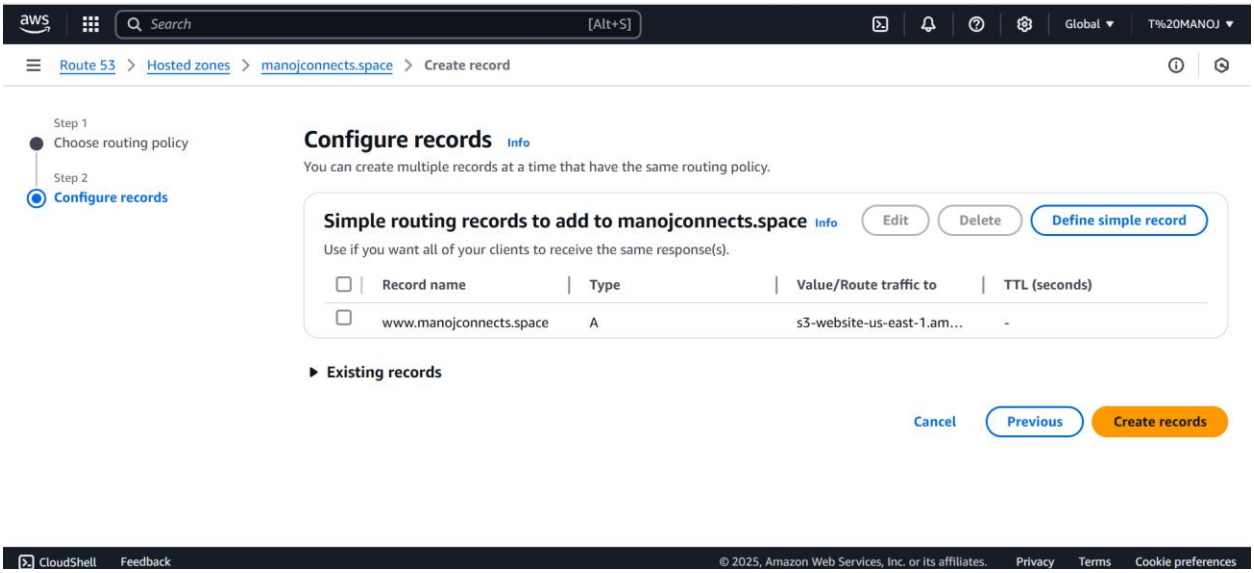






Step 5: Create Route 53 Records

1. Go to AWS Console → Route 53 → Hosted Zones → manojconnects.space.
2. Create record for www.manojconnects.space:
    a. Name: www.
    b. Type: A.
    c. Select Alias → Choose CloudFront Distribution.
3. Click "Create".
4. Create record for manojconnects.space:
    a. Name: manojconnects.space.
    b. Type: A.
    c. Select Alias → Choose CloudFront Distribution.
5. Click "Create".


us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-1#CreateRecordSet/Z011752131LKV37GF8Y3P?stepIndex=1&routingPolicy=SIMPLE
Route 53 > Hosted zones > manojconn
Choose routing policy
Step 2
Configure records
www
.manojconnects.space
Keep blank to create a record for the root domain.
Record type Info
The DNS type of the record determines the format of the value that Route 53 returns in response to DNS queries.
A – Routes traffic to an IPv4 address and some AWS resources
Choose when routing traffic to AWS resources for EC2, API Gateway, Amazon VPC, CloudFront, Elastic Beanstalk, ELB, or S3. For example: 192.0.2.44.
Value/Route traffic to Info
The option that you choose determines how Route 53 responds to DNS queries. For most options, you specify where you want to route internet traffic.
Alias to S3 website endpoint
US East (N. Virginia)
s3-website-us-east-1.amazonaws.com
Evaluate target health
Select Yes if you want Route 53 to use this record to respond to DNS queries only if the specified AWS resource is healthy.
No
Cancel
Define simple record
TTL (seconds)
Previous
Create records
CloudShell
Feedback


Search
[Alt+S]
Global
T%20MANOJ
Route 53 > Hosted zones > manojconnects.space > Create record
Step 1
Choose routing policy
Step 2
Configure records
Configure records Info
You can create multiple records at a time that have the same routing policy.
Simple routing records to add to manojconnects.space Info
Edit
Delete
Define simple record
Use if you want all of your clients to receive the same response(s).
Record name
Type
Value/Route traffic to
TTL (seconds)
www.manojconnects.space
A
s3-website-us-east-1.am...
-
Existing records
Cancel
Previous
Create records
CloudShell
Feedback
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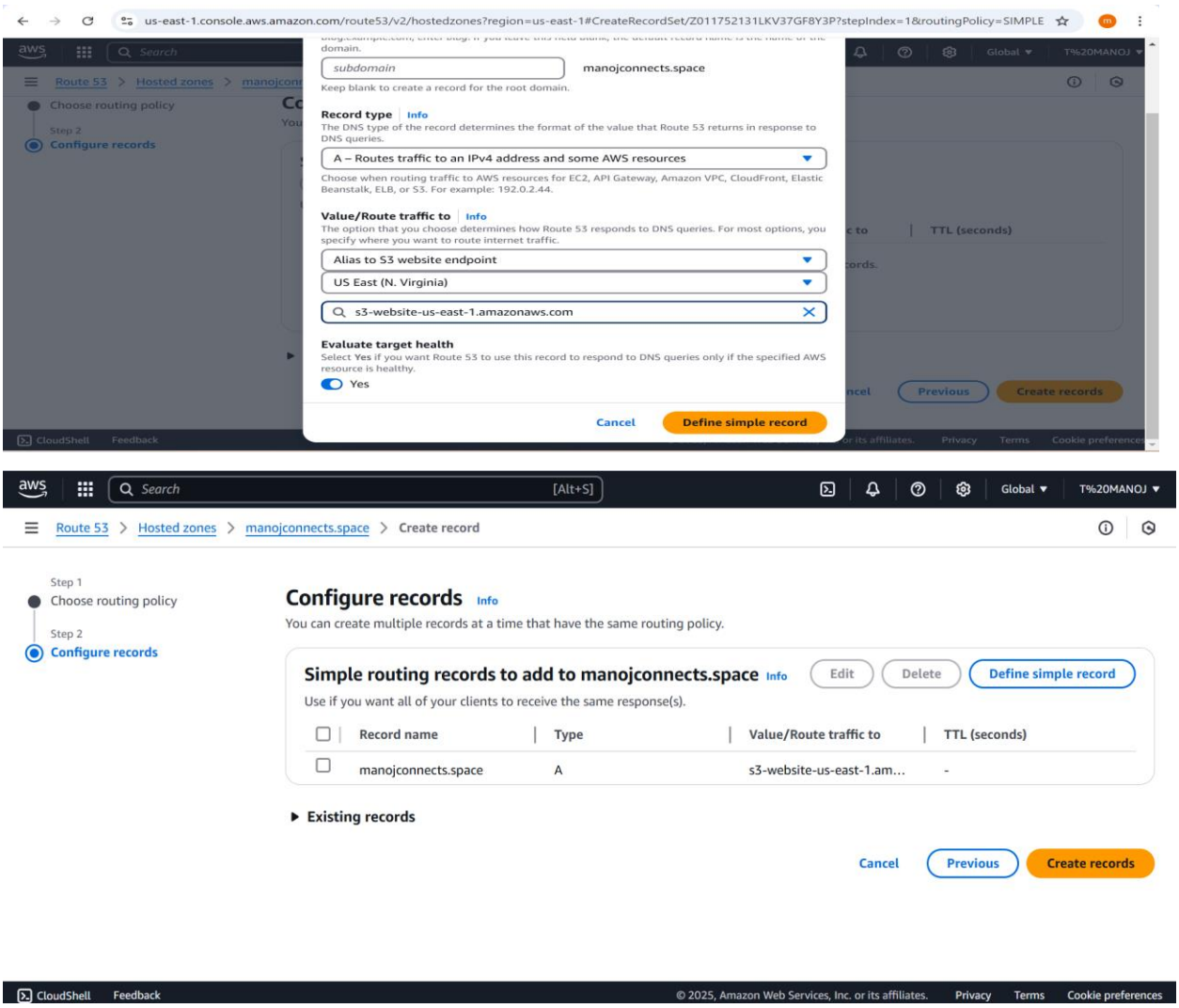
Privacy
Terms
Cookie preferences







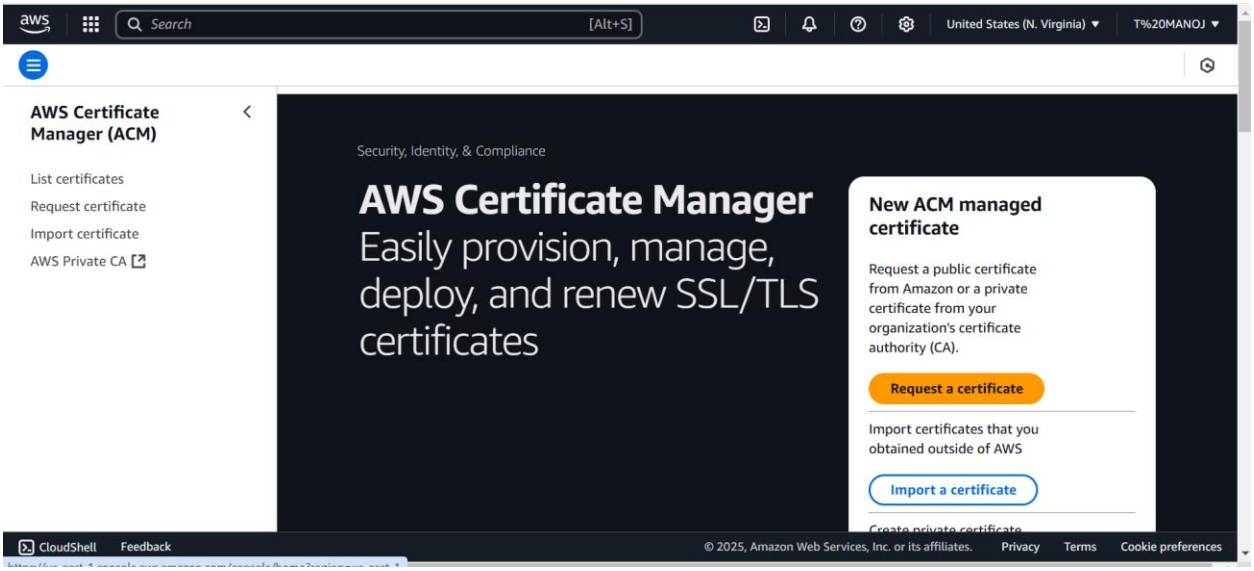
Step 6: Request SSL Certificate in ACM

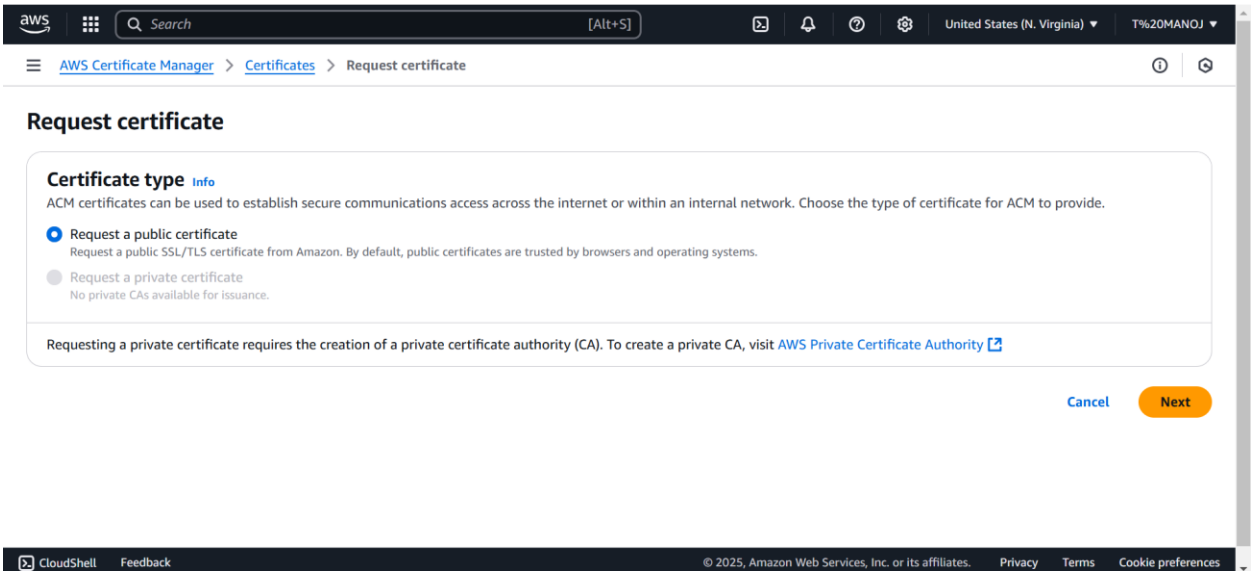
1. Go to AWS Console → ACM (Certificate Manager).
2. Click "Request a Certificate" → Public Certificate.
3. Add domain names:
    a. manojconnects.space
    b. www.manojconnects.space
4. Choose DNS Validation.
5. Click "Request".
6. Validate Certificate:
    a. Copy CNAME record from ACM.

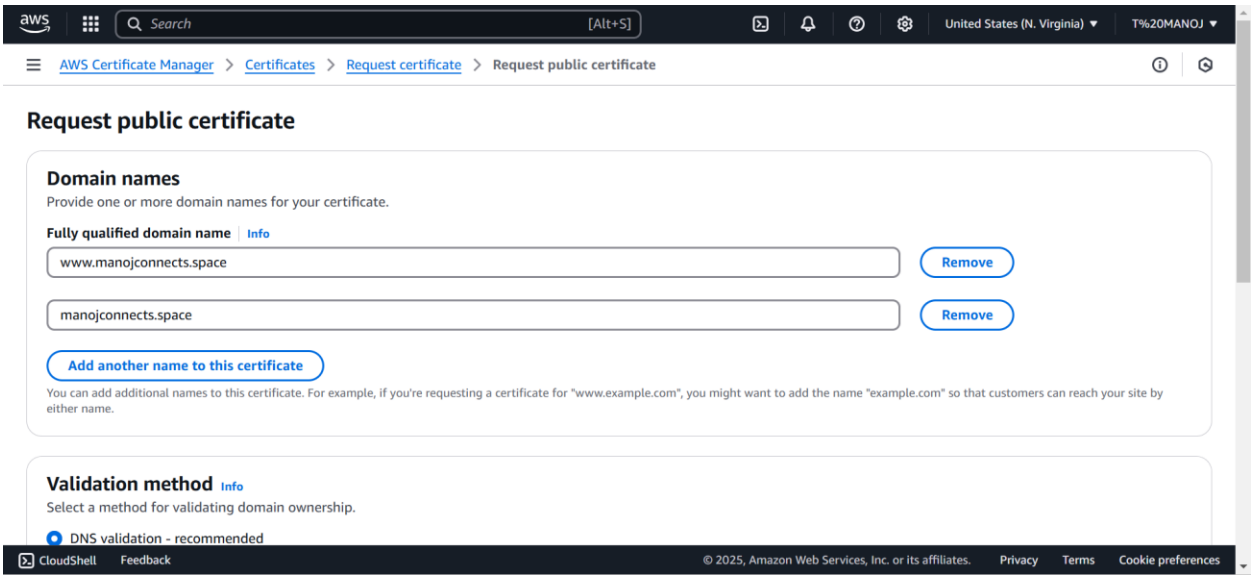
b. Go to Route 53 → Hosted Zone → manojconnects.space → Create record.

c. Paste CNAME record and save.

7. Wait for validation to complete.




Search [Alt+S]
United States (N. Virginia)
T%20MANOJ
AWS Certificate Manager > Certificates > Request certificate > Request public certificate
Request public certificate
Domain names
Provide one or more domain names for your certificate.
Fully qualified domain name Info
www.manojconnects.space
Remove
manojconnects.space
Remove
Add another name to this certificate
You can add additional names to this certificate. For example, if you're requesting a certificate for "www.example.com", you might want to add the name "example.com" so that customers can reach your site by either name.
Validation method Info
Select a method for validating domain ownership.
DNS validation - recommended
CloudShell
Feedback
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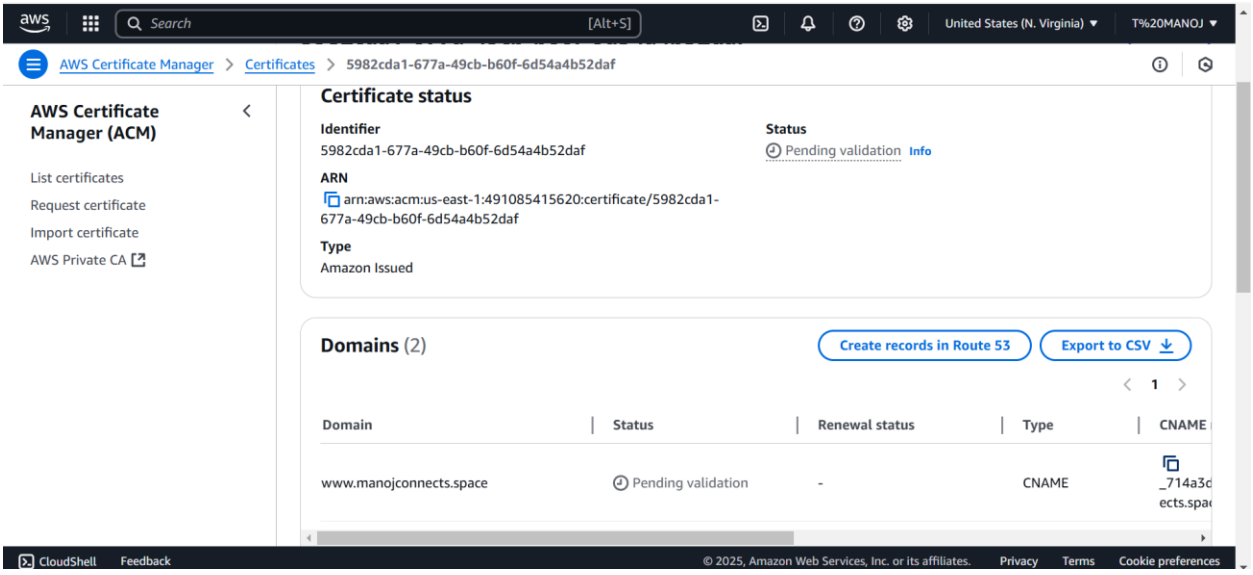
Privacy
Terms
Cookie preferences


Search [Alt+S]
United States (N. Virginia)
T%20MANOJ
AWS Certificate Manager > Certificates > 5982cda1-677a-49cb-b60f-6d54a4b52daf
AWS Certificate Manager (ACM)
List certificates
Request certificate
Import certificate
AWS Private CA
Certificate status
Identifier
5982cda1-677a-49cb-b60f-6d54a4b52daf
Status
Pending validation Info
ARN
arn:aws:acm:us-east-1:491085415620:certificate/5982cda1-677a-49cb-b60f-6d54a4b52daf
Type
Amazon Issued
Domains (2)
Create records in Route 53
Export to CSV
Domain
Status
Renewal status
Type
CNAME
www.manojconnects.space
Pending validation
-
CNAME
CloudShell
Feedback
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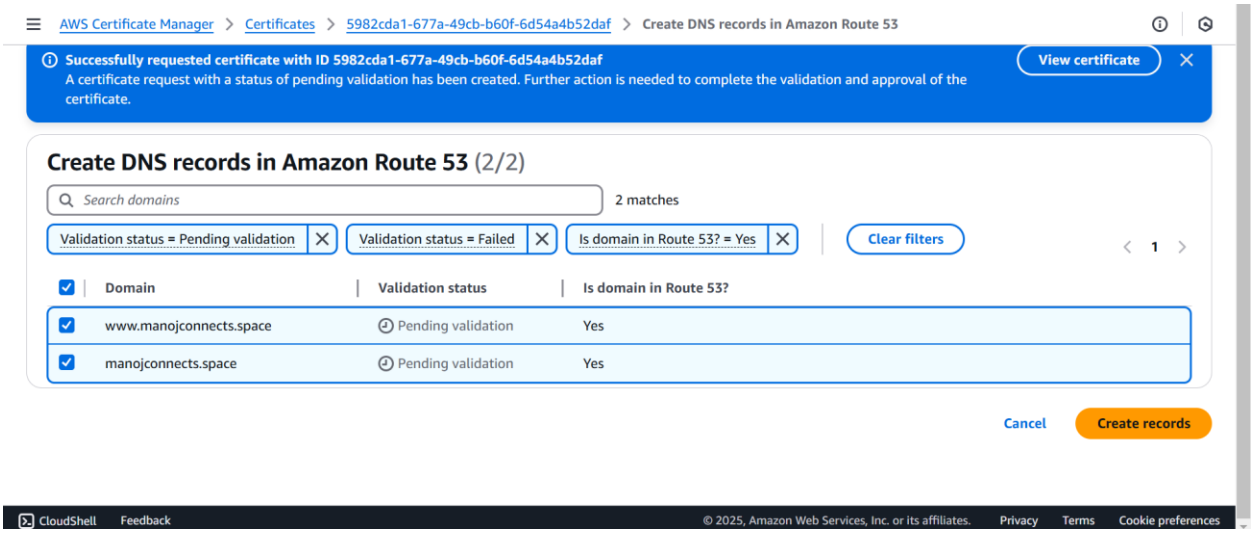
Privacy
Terms
Cookie preferences


AWS Certificate Manager > Certificates > 5982cda1-677a-49cb-b60f-6d54a4b52daf > Create DNS records in Amazon Route 53
Successfully requested certificate with ID 5982cda1-677a-49cb-b60f-6d54a4b52daf
A certificate request with a status of pending validation has been created. Further action is needed to complete the validation and approval of the certificate.
View certificate
Create DNS records in Amazon Route 53 (2/2)
Search domains
2 matches
Validation status = Pending validation
Validation status = Failed
Is domain in Route 53? = Yes
Clear filters
Domain
Validation status
Is domain in Route 53?
www.manojconnects.space
Pending validation
Yes
manojconnects.space
Pending validation
Yes
Cancel
Create records
CloudShell
Feedback
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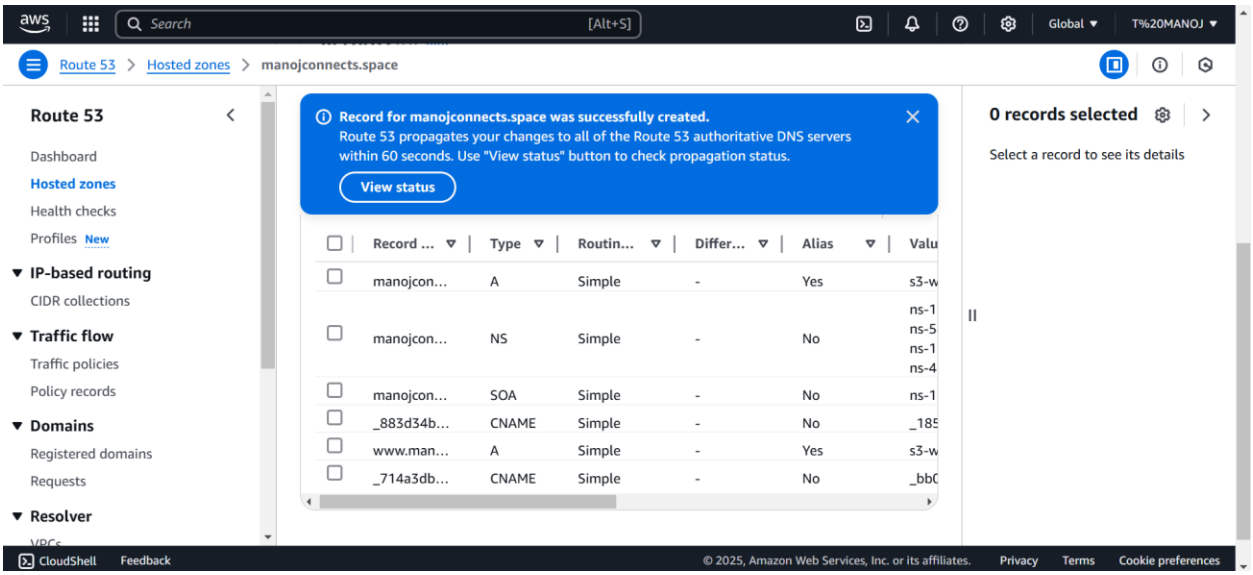
Privacy
Terms
Cookie preferences


Search
[Alt+S]
Global
T%20MANOJ
Route 53 > Hosted zones > manojconnects.space
Route 53
Dashboard
Hosted zones
Health checks
Profiles New
IP-based routing
CIDR collections
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Requests
Resolver
VPCs
Record for manojconnects.space was successfully created.
Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.
View status
Record ...
Type
Routin...
Differ...
Alias
Valu
manojcon... A Simple - Yes s3-w
manojcon... NS Simple - No ns-1 ns-5 ns-1 ns-4
manojcon... SOA Simple - No ns-1
_883d34b... CNAME Simple - No _185
www.man... A Simple - Yes s3-w
_714a3db... CNAME Simple - No _bb0
0 records selected
Select a record to see its details
CloudShell
Feedback
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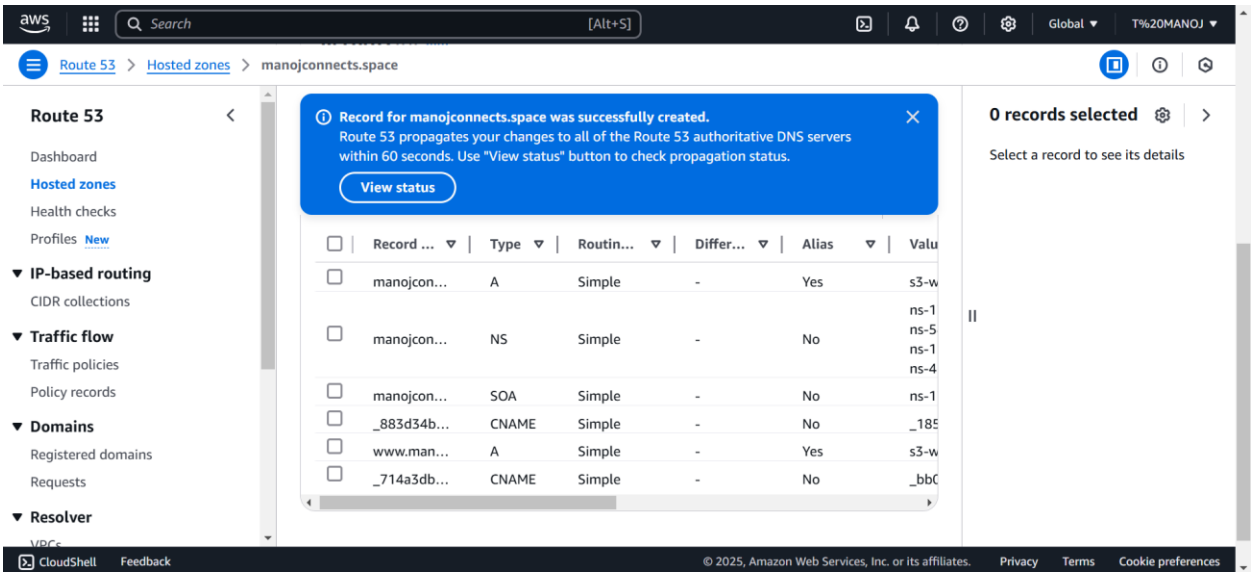
Terms
Cookie preferences


Search
[Alt+S]
Global
T%20MANOJ
Route 53 > Hosted zones > manojconnects.space
Route 53
Dashboard
Hosted zones
Health checks
Profiles New
IP-based routing
CIDR collections
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Requests
Resolver
VPCs
Record for manojconnects.space was successfully created.
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View status
Record ...
Type
Routin...
Differ...
Alias
Valu
manojcon... A Simple - Yes s3-w
manojcon... NS Simple - No ns-1 ns-5 ns-1 ns-4
manojcon... SOA Simple - No ns-1
_883d34b... CNAME Simple - No _185
www.man... A Simple - Yes s3-w
_714a3db... CNAME Simple - No _bb0
0 records selected
Select a record to see its details
CloudShell
Feedback
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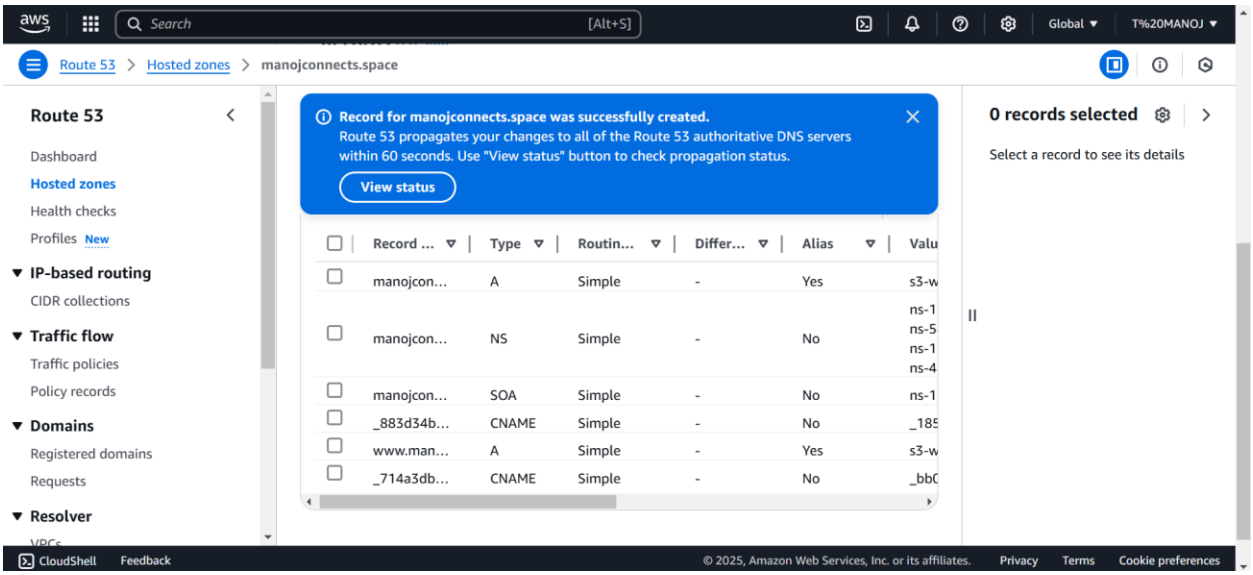
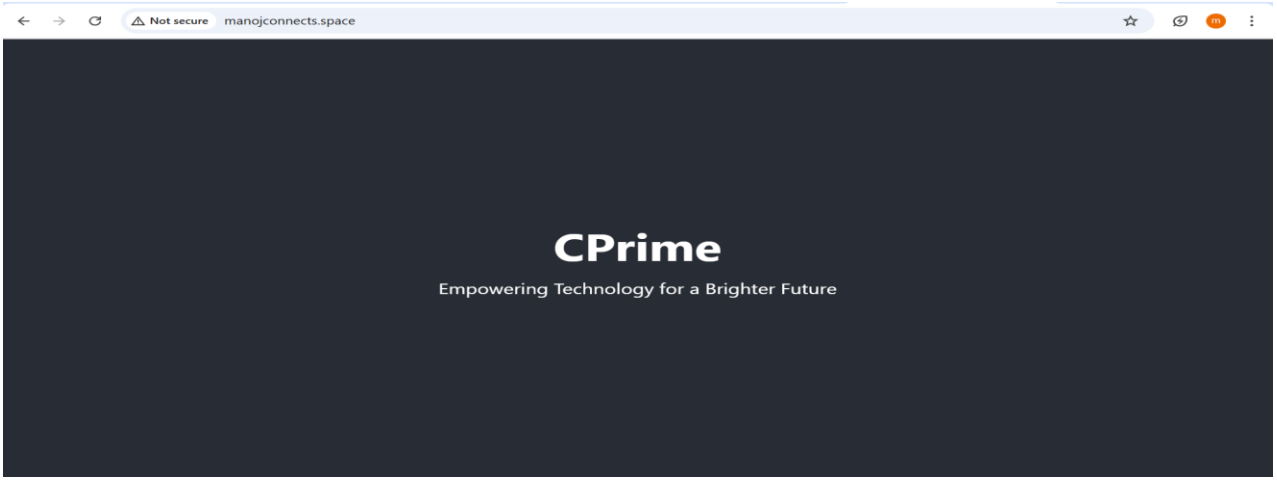
Terms
Cookie preferences

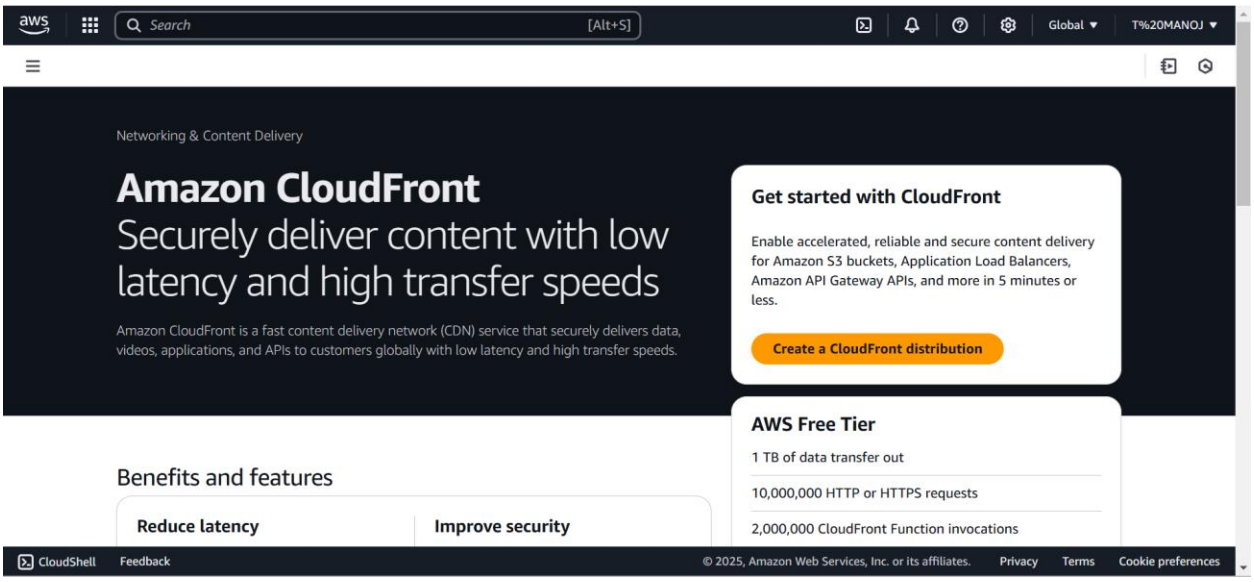



Step 7: Create CloudFront Distributions

1. For www.manojconnects.space:
    a. Go to AWS Console → CloudFront → Create Distribution.
    b. Origin Settings:
        i. Origin domain: `www.manojconnects.space.s3-website-us-east-1.amazonaws.com`.
        ii. Protocol: HTTP only.
    c. Default Behavior:
        i. Viewer Protocol Policy: Redirect HTTP to HTTPS.

        ii. Allowed HTTP Methods: GET, HEAD.
    d. Add SSL Certificate:
        i. Choose Custom SSL Certificate.
        ii. Select the certificate created in ACM.
    e. Click "Create Distribution".
2. For manojconnects.space (Redirect to www):
    a. Go to AWS Console → CloudFront → Create Distribution.
    b. Origin Settings:
        i. Origin domain: `manojconnects.space.s3-website-us-east-1.amazonaws.com`.
        ii. Protocol: HTTP only.
    c. Default Behavior:
        i. Viewer Protocol Policy: Redirect HTTP to HTTPS.
        ii. Allowed HTTP Methods: GET, HEAD.
    d. Add SSL Certificate:
        i. Choose Custom SSL Certificate.
        ii. Select the certificate created in ACM.
    e. Click "Create Distribution".


Search [Alt+S]
Global
T%20MANOJ
Networking & Content Delivery
Amazon CloudFront
Securely deliver content with low latency and high transfer speeds
Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds.
Get started with CloudFront
Enable accelerated, reliable and secure content delivery for Amazon S3 buckets, Application Load Balancers, Amazon API Gateway APIs, and more in 5 minutes or less.
Create a CloudFront distribution
AWS Free Tier
1 TB of data transfer out
10,000,000 HTTP or HTTPS requests
2,000,000 CloudFront Function invocations
Benefits and features
Reduce latency
Improve security
CloudShell
Feedback
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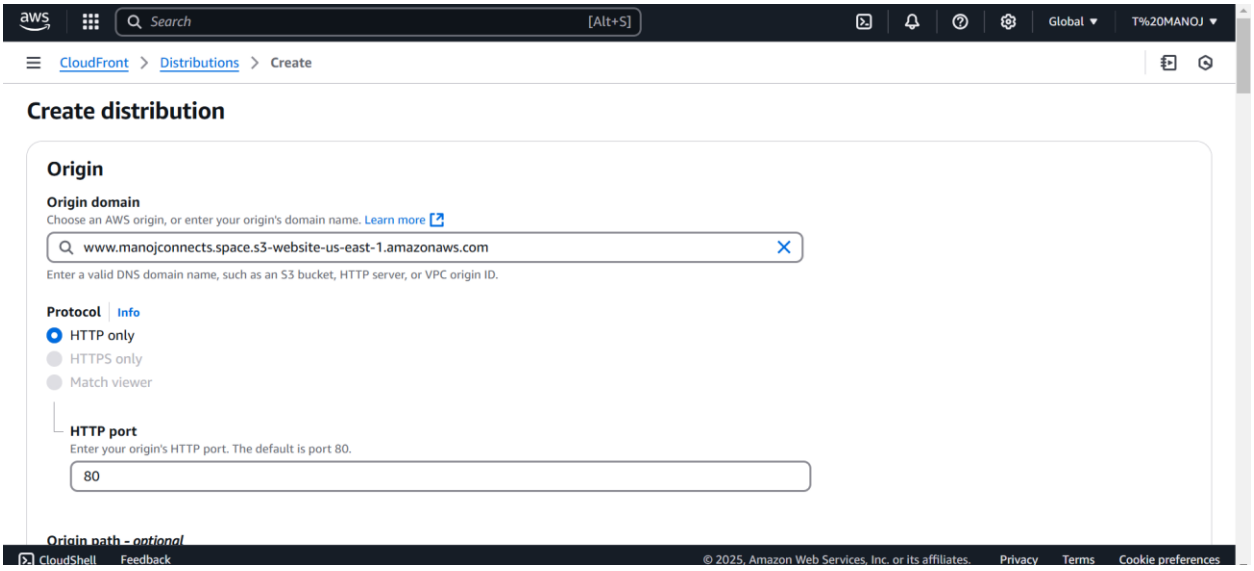
Search [Alt+S]
Global
T%20MANOJ
CloudFront > Distributions > Create
Create distribution
Origin
Origin domain
Choose an AWS origin, or enter your origin's domain name. Learn more
www.manojconnects.space.s3-website-us-east-1.amazonaws.com
Enter a valid DNS domain name, such as an S3 bucket, HTTP server, or VPC origin ID.
Protocol Info
HTTP only
HTTPS only
Match viewer
HTTP port
Enter your origin's HTTP port. The default is port 80.
80
Origin path - optional
CloudShell
Feedback
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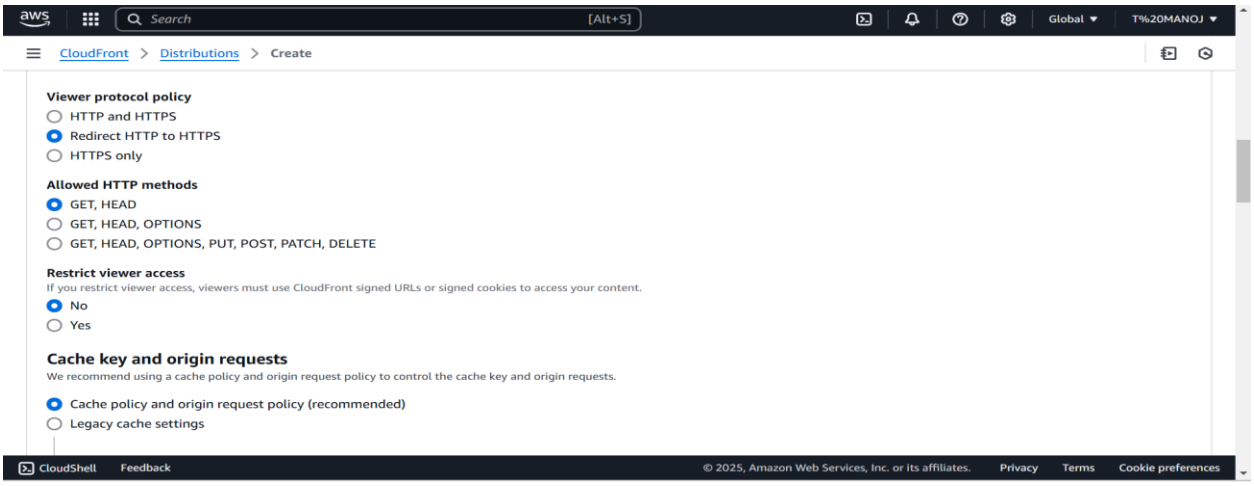
Search [Alt+S]
Global
T%20MANOJ
CloudFront > Distributions > Create
Viewer protocol policy
HTTP and HTTPS
Redirect HTTP to HTTPS
HTTPS only
Allowed HTTP methods
GET, HEAD
GET, HEAD, OPTIONS
GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE
Restrict viewer access
If you restrict viewer access, viewers must use CloudFront signed URLs or signed cookies to access your content.
No
Yes
Cache key and origin requests
We recommend using a cache policy and origin request policy to control the cache key and origin requests.
Cache policy and origin request policy (recommended)
Legacy cache settings
CloudShell
Feedback
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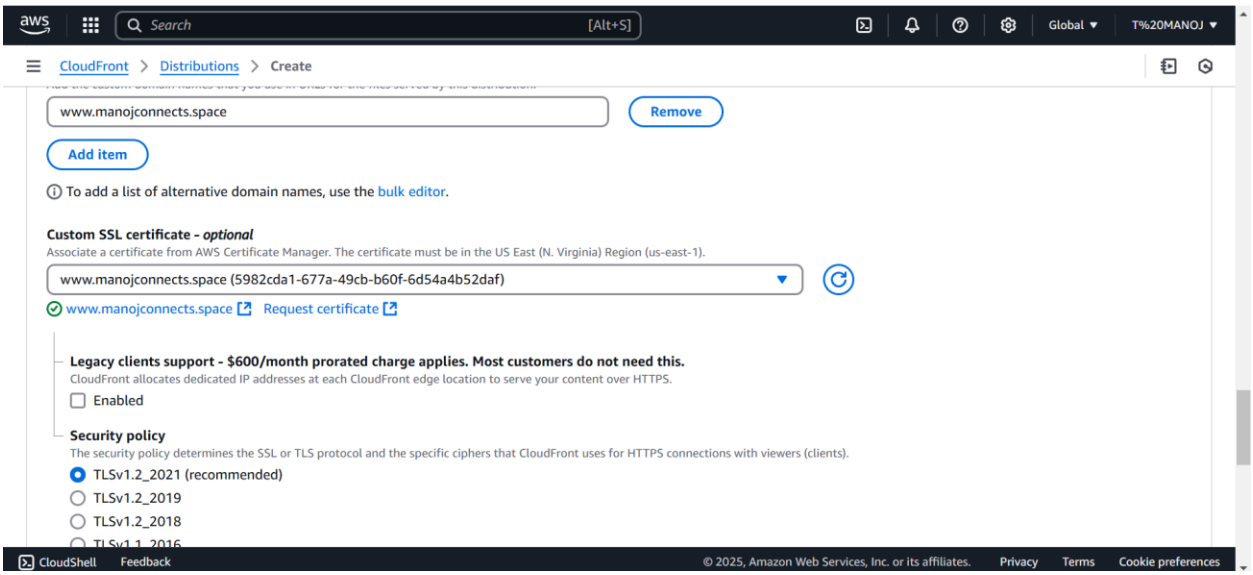
Terms
Cookie preferences


aws
Search
[Alt+S]
Global
T%20MANOJ
CloudFront > Distributions > Create
www.manojconnects.space
Remove
Add item
To add a list of alternative domain names, use the bulk editor.
Custom SSL certificate - optional
Associate a certificate from AWS Certificate Manager. The certificate must be in the US East (N. Virginia) Region (us-east-1).
www.manojconnects.space (5982cda1-677a-49cb-b60f-6d54a4b52daf)
www.manojconnects.space
Request certificate
Legacy clients support - $600/month prorated charge applies. Most customers do not need this.
CloudFront allocates dedicated IP addresses at each CloudFront edge location to serve your content over HTTPS.
Enabled
Security policy
The security policy determines the SSL or TLS protocol and the specific ciphers that CloudFront uses for HTTPS connections with viewers (clients).
TLSv1.2_2021 (recommended)
TLSv1.2_2019
TLSv1.2_2018
CloudShell
Feedback
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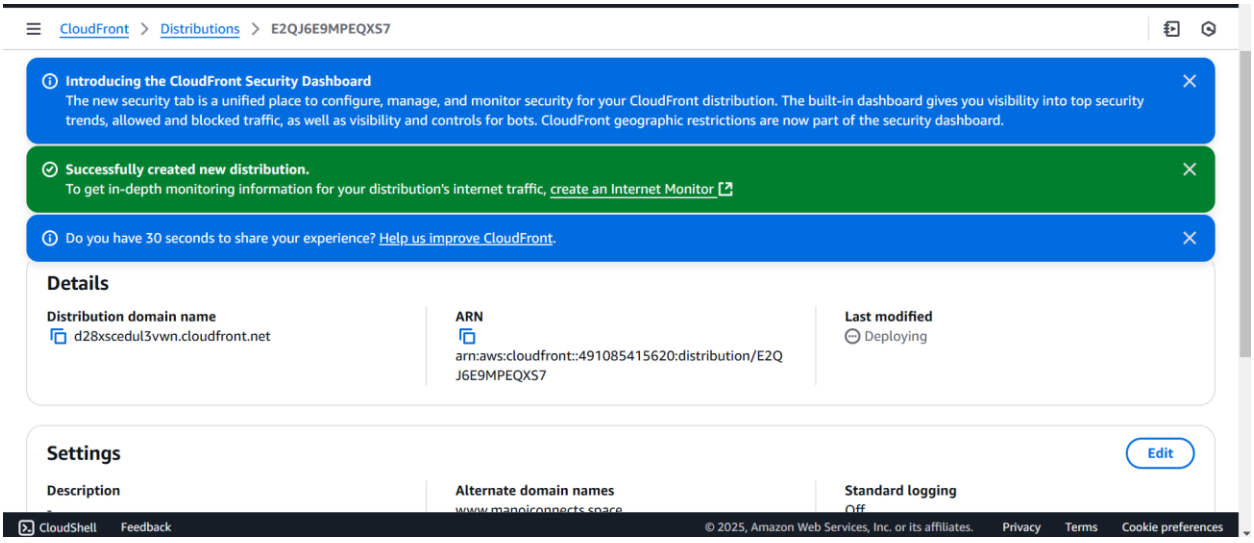
CloudFront > Distributions > E2QJ6E9MPEQXS7
Introducing the CloudFront Security Dashboard
The new security tab is a unified place to configure, manage, and monitor security for your CloudFront distribution. The built-in dashboard gives you visibility into top security trends, allowed and blocked traffic, as well as visibility and controls for bots. CloudFront geographic restrictions are now part of the security dashboard.
Successfully created new distribution.
To get in-depth monitoring information for your distribution's internet traffic, create an Internet Monitor
Do you have 30 seconds to share your experience? Help us improve CloudFront.
Details
Distribution domain name
d28xscedul3vwn.cloudfront.net
ARN
arn:aws:cloudfront::491085415620:distribution/E2QJ6E9MPEQXS7
Last modified
Deploying
Settings
Edit
Description
Alternate domain names
Standard logging
Off
CloudShell
Feedback
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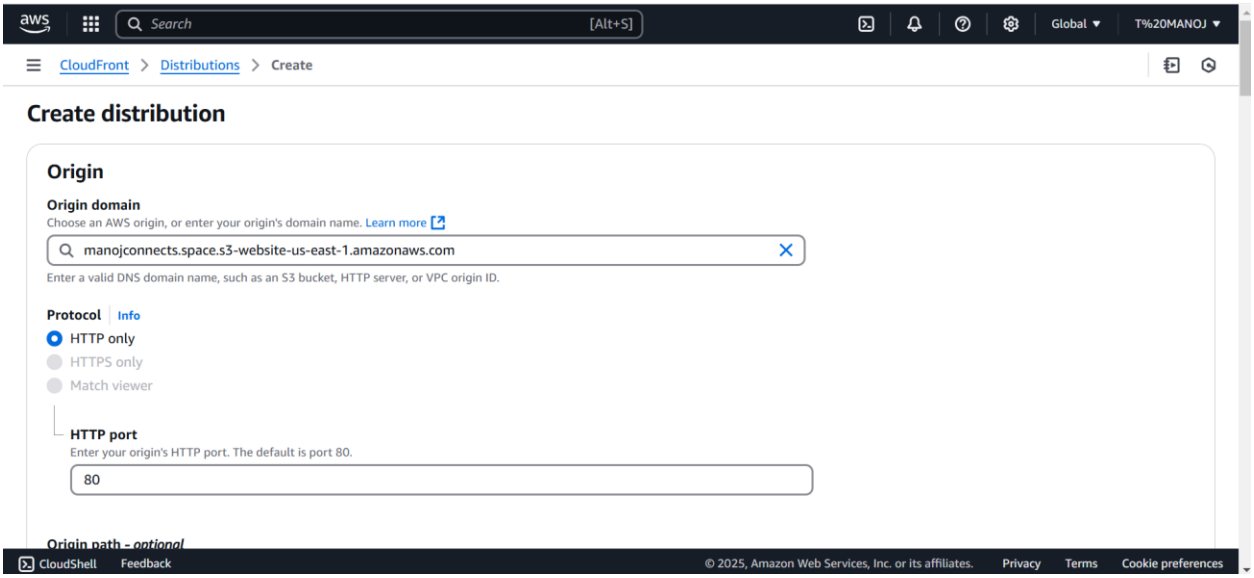
aws
Search
[Alt+S]
Global
T%20MANOJ
CloudFront > Distributions > Create
Create distribution
Origin
Origin domain
Choose an AWS origin, or enter your origin's domain name. Learn more
manojconnects.space.s3-website-us-east-1.amazonaws.com
Enter a valid DNS domain name, such as an S3 bucket, HTTP server, or VPC origin ID.
Protocol
Info
HTTP only
HTTPS only
Match viewer
HTTP port
Enter your origin's HTTP port. The default is port 80.
80
Origin path - optional
CloudShell
Feedback
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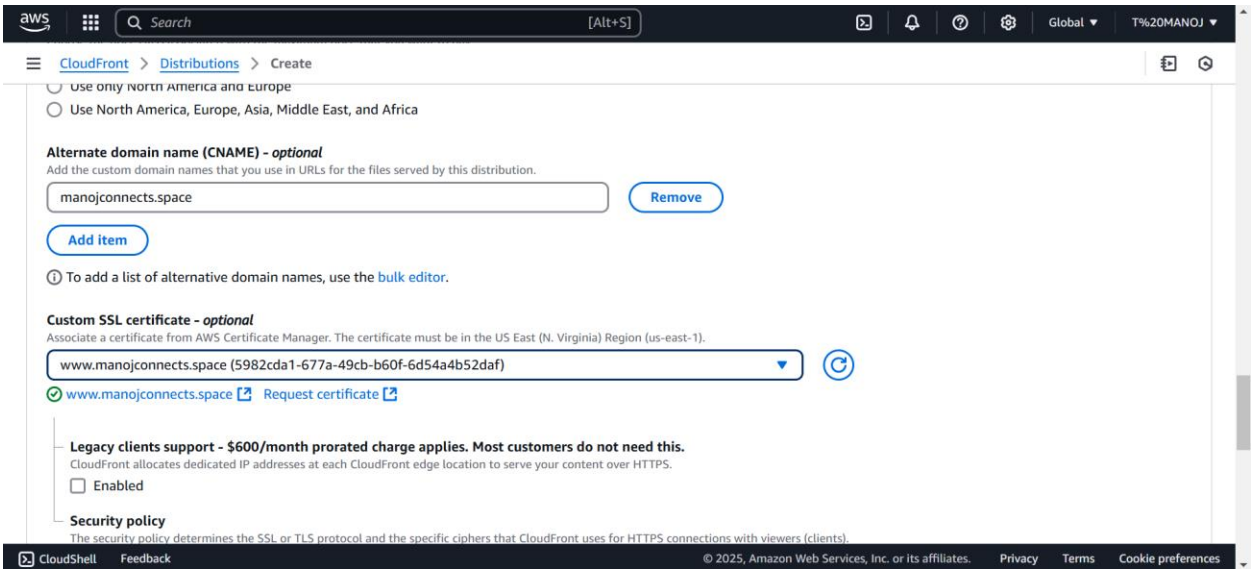
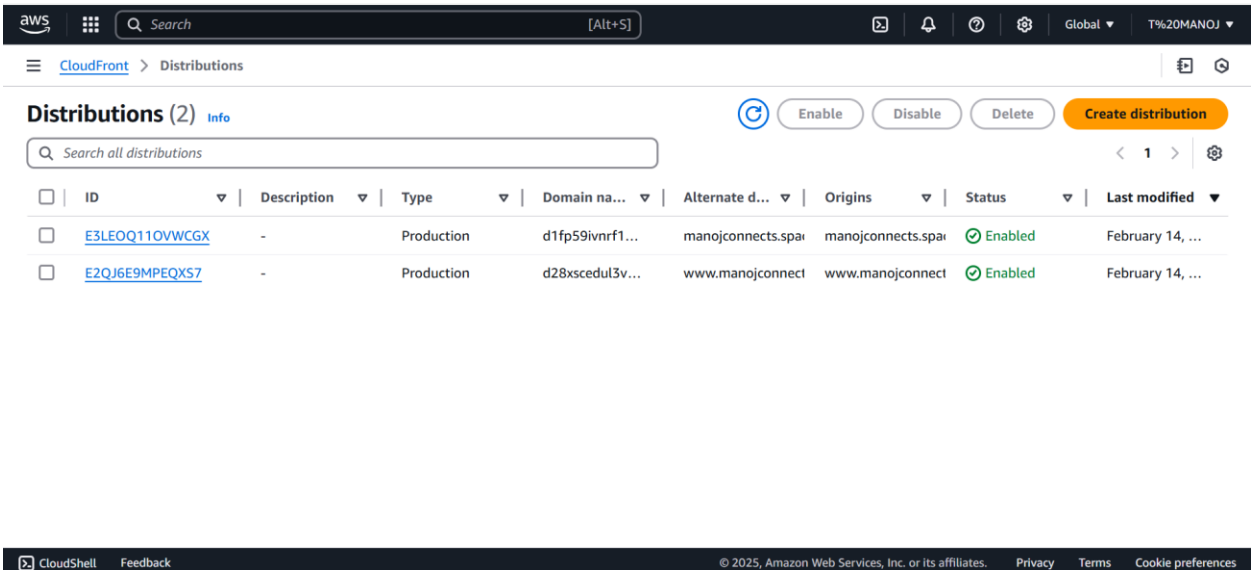
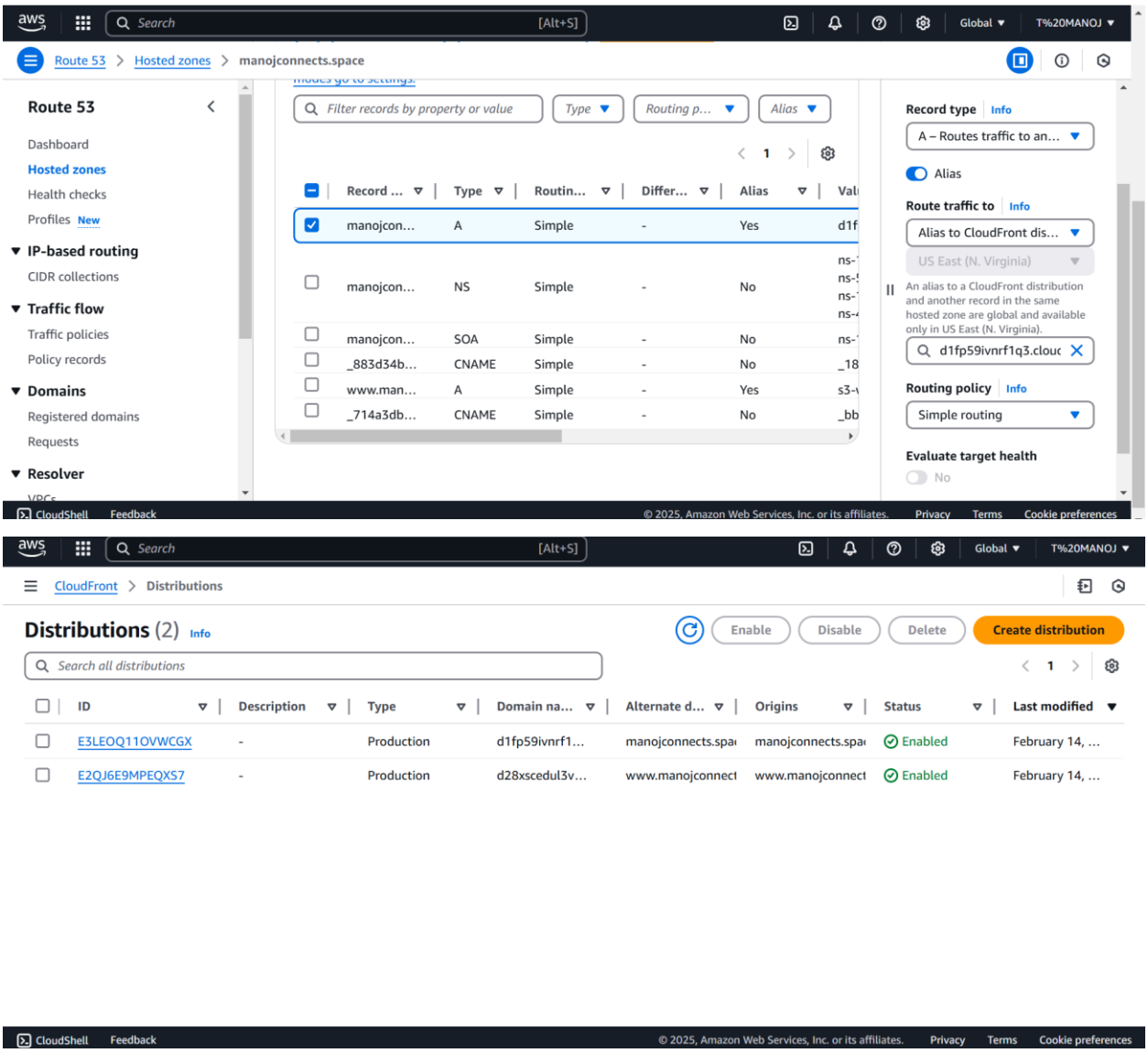


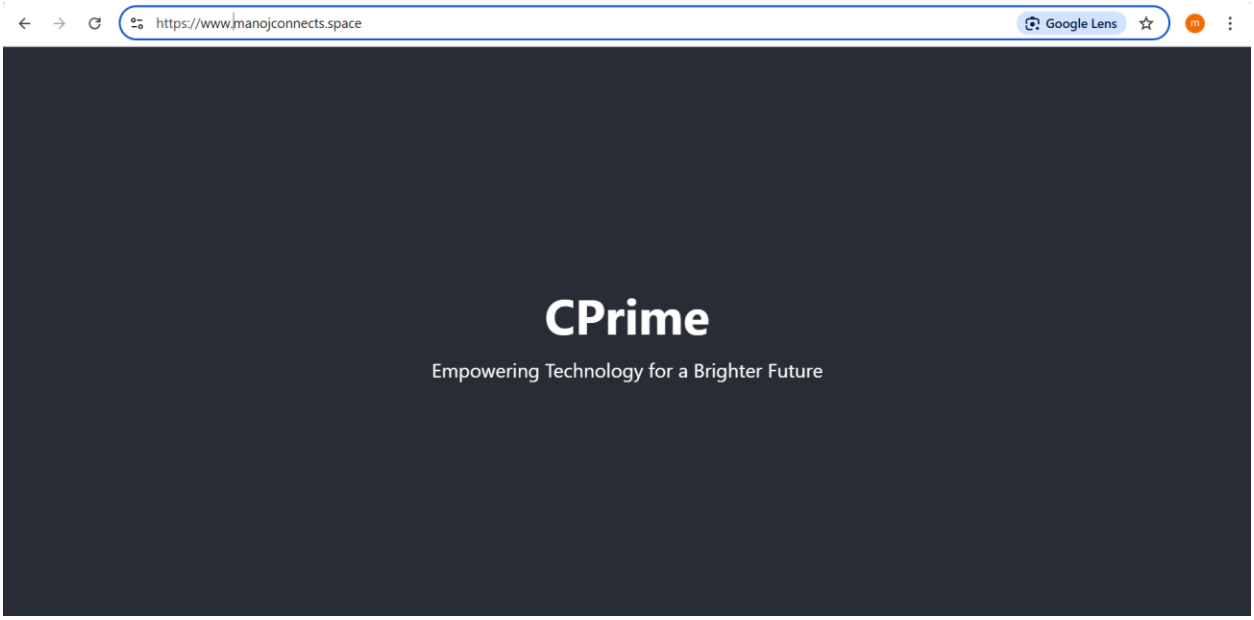

Step 8: Update Route 53 for CloudFront

1. Go to AWS Console → Route 53 → Hosted Zone → manojconnects.space.
2. Edit www.manojconnects.space record:
    a. Select Alias → CloudFront Distribution (for www).
3. Edit manojconnects.space record:
    a. Select Alias → CloudFront Distribution (for root domain).
4. Click "Save Changes".




Step 9: Test & Verify

1. Open www.manojconnects.space in a browser → The website should load.
2. Open manojconnects.space → It should redirect to www.manojconnects.space.
3. Test HTTPS connection → It should be secure.


https://www.manojconnects.space
Google Lens
CPrime
Empowering Technology for a Brighter Future