

- Created a S3 Bucket and enable the static website hosting. I put the name same as my domain name.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation links for Buckets, Access points, Batch Operations, Access analyzer for S3, Account settings for Block Public Access, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the bucket overview for 'www.emiroz.com'. The bucket overview table shows the following details:

| Region | Amazon resource name (ARN) | Creation date | Access |
|---------------------------------|-----------------------------|--------------------------------------|-------------------------------|
| US East (N. Virginia) us-east-1 | arn:aws:s3:::www.emiroz.com | November 30, 2020, 23:31 (UTC-05:00) | Bucket and objects not public |

Below the overview table, there are tabs for Objects, Properties, Permissions, Metrics, Management, and Access points. The Objects tab is selected, showing a message: 'Drag and drop files and folders you want to upload here, or choose Upload.' Below this, there is a section for Objects (2) with a search bar and a table of objects.

| Name | Type | Last modified | Size | Storage class |
|--------------|--------|-------------------------------------|---------|---------------|
| index_files/ | Folder | - | - | - |
| index.html | html | December 3, 2020, 15:17 (UTC-05:00) | 24.2 KB | Standard |

The screenshot shows the Amazon S3 console interface for the 'Edit static website hosting' page. The left sidebar is the same as the previous screenshot. The main content area displays the 'Edit static website hosting' page for the bucket 'www.emiroz.com'. The page has a title 'Edit static website hosting' and a subtitle 'Static website hosting'. Below the subtitle, there is a message: 'Use this bucket to host a website or redirect requests. Learn more'. The 'Static website hosting' section has two radio buttons: 'Disable' and 'Enable'. The 'Enable' option is selected. The 'Hosting type' section has two radio buttons: 'Host a static website' and 'Redirect requests for an object'. The 'Host a static website' option is selected. Below the 'Host a static website' option, there is a message: 'Use the bucket endpoint as the web address. Learn more'. Below the 'Redirect requests for an object' option, there is a message: 'Redirect requests to another bucket or domain. Learn more'. Below these options, there is a blue box with a warning icon and text: 'For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access'. Below the warning box, there are two input fields: 'Index document' and 'Error document'. The 'Index document' field contains the value 'index.html' and the 'Error document' field contains the value 'error.html'.

- Created a SNS topic and created subscription with email protocol. I sed my personal email to confirm the subscription.

The screenshot shows the Amazon SNS console interface. On the left is a navigation sidebar with options like Dashboard, Topics, Subscriptions, Mobile, Push notifications, and Text messaging (SMS). The main content area is titled 'emiroz_topic' and includes buttons for 'Edit', 'Delete', and 'Publish message'. Below the title is a 'Details' section with the following information:

| | |
|--|------------------------------|
| Name emiroz_topic | Display name CONTACT FORM |
| ARN arn:aws:sns:us-east-1:891797962659:emiroz_topic | Topic owner 891797962659 |
| Type Standard | |

Below the details are tabs for 'Subscriptions', 'Access policy', 'Delivery retry policy (HTTP/S)', 'Delivery status logging', 'Encryption', and 'Tags'. The 'Subscriptions (1)' tab is active, showing a table with one subscription:

| ID | Endpoint | Status | Protocol |
|--------------------------------------|---------------------------|-----------|----------|
| 8adb202b-1034-4496-81a8-6cb8eb960a40 | emirozkarabulut@gmail.com | Confirmed | EMAIL |

- Created DynamoDB table with partition key and sort key.

The screenshot shows the AWS DynamoDB console. On the left is a navigation sidebar with options like Dashboard, Tables, Backups, Reserved capacity, Preferences, DAX, and Events. The main content area is titled 'emiroz' and includes buttons for 'Create table', 'Delete table', 'Create item', and 'Actions'. Below the title are tabs for 'Overview', 'Items', 'Metrics', 'Alarms', 'Capacity', 'Indexes', 'Global Tables', 'Backups', 'Contributor Insights', 'Triggers', 'Access control', and 'Tags'. The 'Items' tab is active, showing a table with one item:

| email | created_at | full_name | message | organization | phone |
|------------------|--------------------------|-----------|------------|--------------|------------|
| sample@gmail.com | 2020-12-03T21:54:54.812Z | emir | Hello Emir | Amazon | 9999999999 |

- Registered a new domain with using Route 53 then requested a public certificate for my domain by using Amazon Certificate Manager.

aws Services

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Registered domains

Register Domain Transfer Domain Domain Billing Report

Search domains by prefix X

Displaying 1 to 1 out of 1 domains

| Domain Name | Privacy Protection | Expiration Date | Auto Renew | Transfer Lock |
|-------------|--------------------|-------------------|------------|---------------|
| emiroz.com | All contacts | November 30, 2021 | ✓ | ✗ |

Domains

- Registered domains
- Pending requests
- Resolver
- VPCs
- Inbound endpoints
- Outbound endpoints
- Rules
- Query logging

aws Services

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Certificates

AWS Certificate Manager logs domain names from your certificates into public certificate transparency (CT) logs when renewing certificates. You can opt out of CT logging. [Learn more](#)

Request a certificate Import a certificate Actions

Viewing certificates 1 to 2

| | Name | Domain name | Additional names | Status | Type | In use? | Renewal eligibility |
|--------------------------|------|----------------|------------------|--------|---------------|---------|---------------------|
| <input type="checkbox"/> | - | emiroz.com | - | Issued | Amazon Issued | Yes | Eligible |
| <input type="checkbox"/> | - | www.emiroz.com | *.emiroz.com | Issued | Amazon Issued | Yes | Eligible |

Viewing certificates 1 to 2

- Created CloudFront distribution for my root object which stored in my S3 bucket.

The screenshot shows the AWS CloudFront console. The left sidebar contains navigation options like Distributions, Policies, Telemetry, Reports & analytics, Security, and Key management. The main content area displays the details for a specific CloudFront distribution.

| CloudFront Distributions > E11RTNK9PR9338 | |
|---|---|
| Distribution ID | E11RTNK9PR9338 |
| ARN | arn:aws:cloudfront::891797962659:distribution/E11RTNK9PR9338 |
| Log Prefix | - |
| Delivery Method | Web |
| Cookie Logging | Off |
| Distribution Status | Deployed |
| Comment | - |
| Price Class | Use Only U.S., Canada and Europe |
| AWS WAF Web ACL | - |
| State | Enabled |
| Alternate Domain Names (CNAMEs) | www.emiroz.com |
| SSL Certificate | www.emiroz.com (66f6e241-17dc-42c3-bfd2-64cdd8b1e75) |
| Domain Name | d1crbaxr3m7pvr.cloudfront.net |
| Custom SSL Client Support | Clients that Support Server Name Indication (SNI) - (Recommended) |
| Security Policy | TLSv1.2_2019 |
| Supported HTTP Versions | HTTP/2, HTTP/1.1, HTTP/1.0 |
| IPv6 | Enabled |
| Default Root Object | index.html |
| Last Modified | 2020-12-03 00:38 UTC-5 |
| Log Bucket | - |

- Created simple routing policy record set for my domain with using Route 53.

The screenshot shows the AWS Route 53 console. A notification banner at the top states: "The new Route 53 console experience is now available. We've redesigned the Route 53 console to make it easier to use. Try out the new console. We are continuing to make improvements to the user experience based on your feedback, stay tuned!"

Below the notification, there are buttons for "Back to Hosted Zones", "Create Record Set", "Import Zone File", "Delete Record Set", and "Test Record Set".

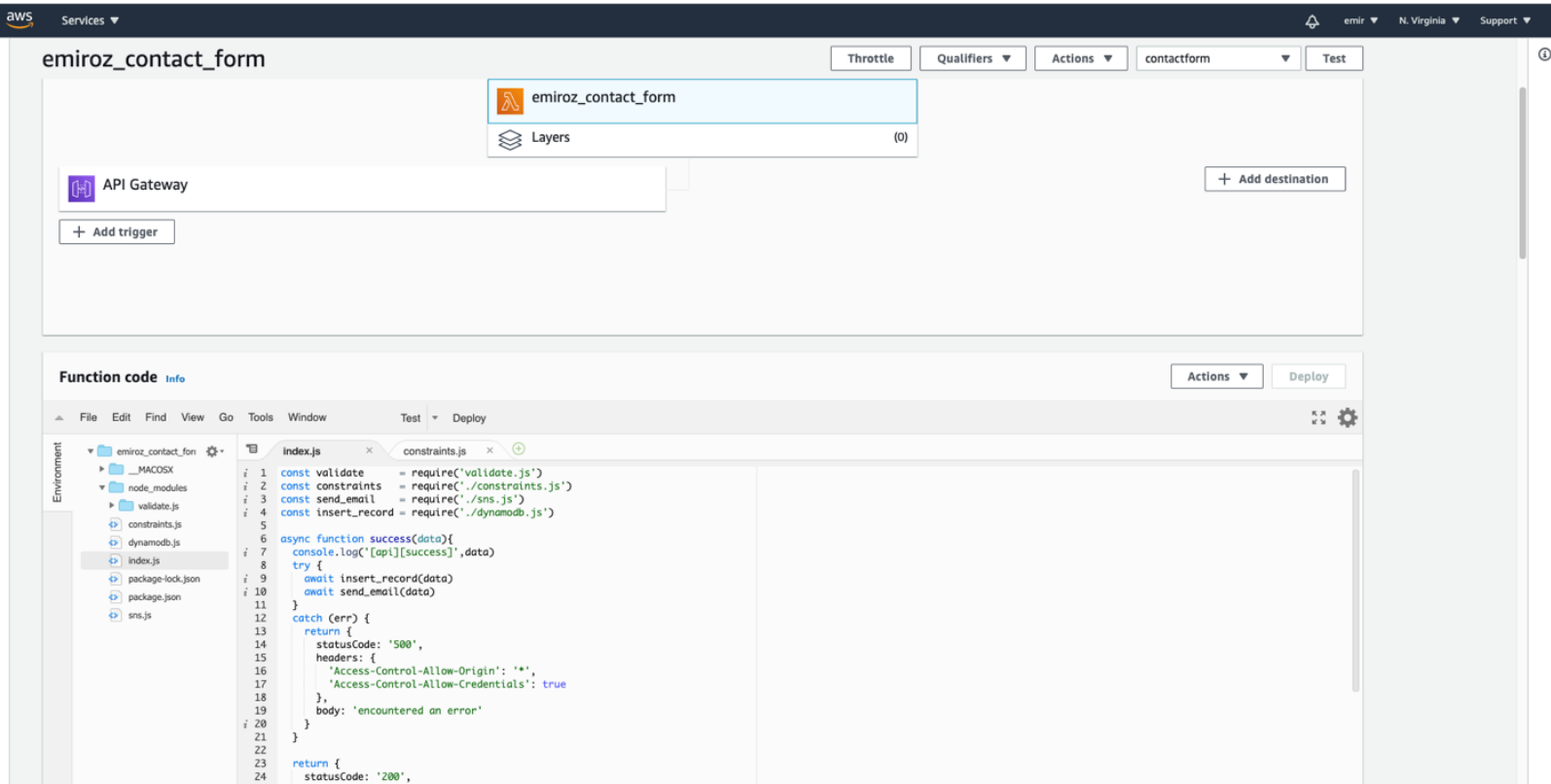
The main content area displays a table of record sets for the domain "emiroz.com".

| Name | Type | Value | Evaluate Target Health | Health Check ID | TTL | Region | Weight |
|---|-------|--|------------------------|-----------------|--------|--------|--------|
| emiroz.com. | A | ALIAS d2ci8wg8ptbsc.cloudfront.net. (z2fdtndataqyv | No | - | - | - | - |
| emiroz.com. | NS | ns-751.awsdns-29.net. ns-1208.awsdns-23.org. ns-1556.awsdns-02.co.uk. ns-152.awsdns-19.com. | - | - | 172800 | - | - |
| emiroz.com. | SOA | ns-751.awsdns-29.net. awsdns-hostmaster.amazon. | - | - | 900 | - | - |
| _0a9866759611356799084978f0a5a2db.emiroz.com. | CNAME | _3da4fd99f5eeb9f317994efcda49f3e6.wgjkjgirm.a | - | - | 300 | - | - |
| www.emiroz.com. | A | ALIAS d1crbaxr3m7pvr.cloudfront.net. (z2fdtndataqj | No | - | - | - | - |
| _c3fb4a712e0478b4673242484c15621a.www.emiroz.com. | CNAME | _e2bbb269c3cd6c0c26420e50359ab64c.wgjkjgirm | - | - | 300 | - | - |

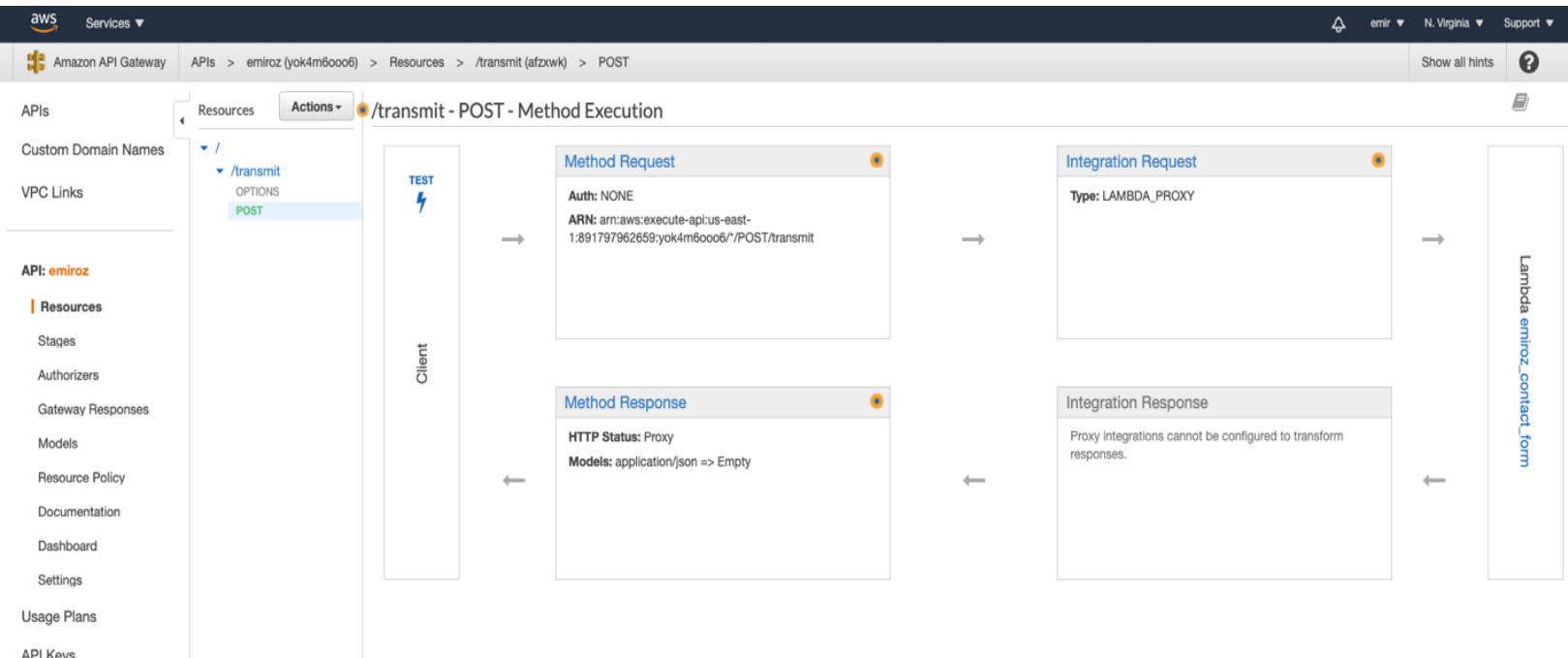
On the right side, the "Edit Record Set" panel is visible, showing details for the selected record set:

- Name:** www.emiroz.com.
- Type:** A - IPv4 address
- Alias:** Yes (selected)
- Alias Target:** d1crbaxr3m7pvr.cloudfront.net.
- Alias Hosted Zone ID:** Z2FDTNDATAQYW2
- Routing Policy:** Simple
- Evaluate Target Health:** No (selected)

- Created Lambda function to run the scripts. I granted full access of DynamoDB and SNS to the new role that I got with creating this lambda function.



- Finally created a REST API to trigger with using Amazon API Gateway and copied invoke url to my html code.



APIs

Custom Domain Names

VPC Links

API: emiroz

Resources

Stages

Authorizers

Gateway Responses

Models

Resource Policy

Documentation

Dashboard

Settings

Usage Plans

API Gateway

APIs > emiroz (yok4m6ooo6) > Stages > prod

emir N. Virginia Support

Stages

Create

prod

/

/transmit

POST

OPTIONS

prod Stage Editor

Delete Stage

Configure Tags

Invoke URL: https://yok4m6ooo6.execute-api.us-east-1.amazonaws.com/prod

Settings

Logs/Tracing

Stage Variables

SDK Generation

Export

Deployment History

Documentation History

Canary

Cache Settings

Enable API cache

Default Method Throttling

Choose the default throttling level for the methods in this stage. Each method in this stage will respect these rate and burst settings. Your current account level throttling rate is 10000 requests per second with a burst of 5000 requests. [Read more about API Gateway throttling](#)

Enable throttling

Rate 10000 requests per second

Burst 5000 requests

Web Application Firewall (WAF) [Learn more.](#)

Select the Web ACL to be applied to this stage.

Web ACL None [Create Web ACL](#)