

WF-03: DNS Creation, Registration and Certificate Management

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Updates

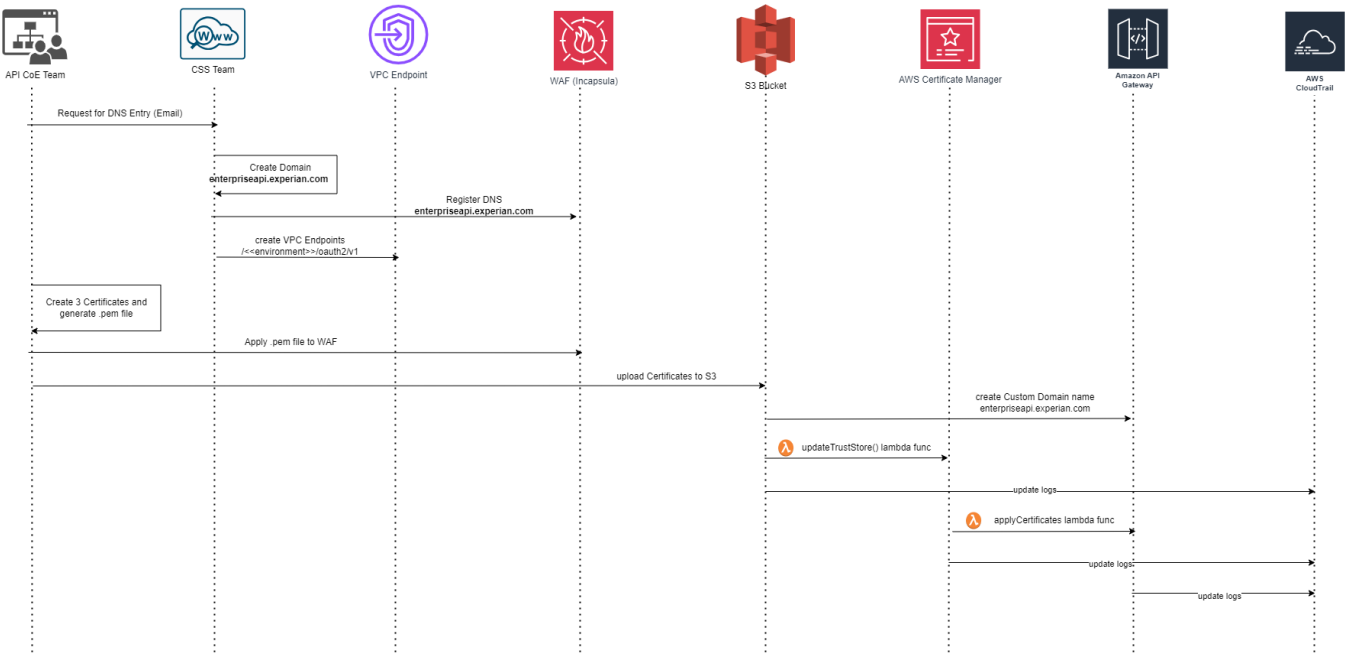
	Last Update	Jira Ticket	Author	Details
1	17 Nov 2023	EUAP-XXXX		
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Overview

This page shows the flow diagram to describe how should be the process to onboarding a new AWS Enterprise Gateway URL. For each URL will be a new certificate. That certificate must be included on the Enterprise Gateway S3 Bucket.

This process mix the manual process done by API CoE team and CSS Team, and Amazon API Gateway retrieving the certificate from the S3 Bucket.

Sequence Diagram



Sequence Diagram Steps

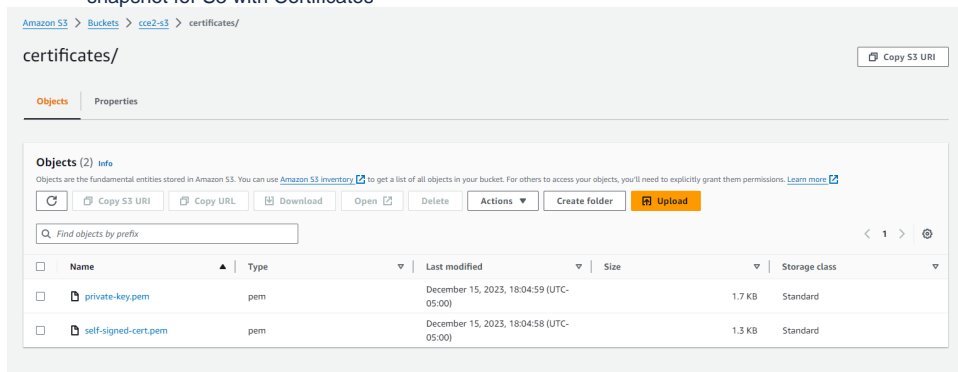
1. API CoE Team
 - a. Request for DNS Entry (Email)
 - b. ...
2. CSS Team
 - a. ...
3. VPC Endpoint
 - a. ...
4. ...

- Pre-requisites

- AWS CLI installed
- Terraform Installed
- All PATH variables should be set
- The location of the terraform script could be found here [Browse EITS APICoE Development / EITS-EnterpriseAPIGateway-AWS - Bitbucket Global \(experian.local\)](#)

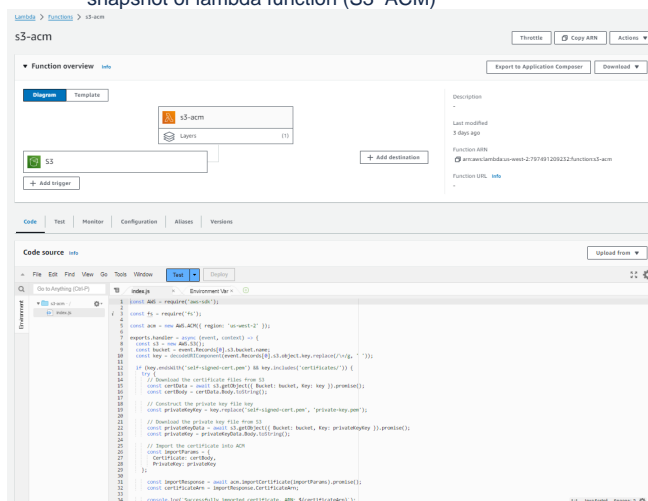
- Steps

- \$cd /sandbox
 - the 'main.tf' is under this path
- \$ls
 - (check all the terraform files ([main.tf](#), [variables.tf](#) and [variables.tfvars](#)) available
- \$terraform init
 - (it will instantiate the [main.tf](#) file). This will install all the terraform modules. The message returned is "Successfully Initialized"
- \$terraform validate
 - (check for the validity of the code). We should receive the message "Validation has been successful"
- \$terraform apply --var-file=variables.tfvars
 - (applies to AWS and creates the resources). The resources defined under [EITS-EnterpriseAPIGateway-AWS/terraform/sandbox/variables.tf](#), would be created
- The information on the infrastructure 'values' is being looked up from [EITS-EnterpriseAPIGateway-AWS/terraform/sandbox/variables.tfvars](#). If the same infrastructure provisioning needs to be done on a development environment then the following changes needs to be done
 - check-out "[EITS-EnterpriseAPIGateway-AWS/terraform/](#)
 - Copy all files from
 - check-out "[EITS-EnterpriseAPIGateway-AWS/terraform/sandbox/variables.tfvars](#)" to "[EITS-EnterpriseAPIGateway-AWS/terraform/](#)
 - Modify "[EITS-EnterpriseAPIGateway-AWS/terraform/sandbox/variables.tfvars](#)" and change the relevant values under variables to reflect development environment parameters
 - Check-in the files
 - Raise a pull request (PR). The notification would be sent to 'Cleison and Jesus B' for review
 - Based on the approval, Either of the reviewers would be merging the code to 'develop' branch
 - Once the develop branch is updated, Jenkins pipeline would be kicked in to invoke the Terraform script (This item is currently not started) and hence we need to follow the manual process defined earlier.
- When the terraform file is executed successfully we should be able to see the certificates applied to AWS Certificates Manager (ACM) and AWS API GW
 - snapshot for S3 with Certificates



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- snapshot of lambda function (S3 ACM)



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- snapshot of ACM with certificates

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Custom domain names

Domain names

Create

Q

Name



enterpriseapi.experian.com

Domain details

Delete

Edit

Domain name
enterpriseapi.experian.com

TLS version
TLS 1.2

Status
Available

Configurations

API mappings

Tags

API mappings

Configure API mappings

Map paths from your domain name to your API stages

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API	Stage	Path	Default endpoint
rest-cce-api	UAT	(none)	Enabled