



## **Amazon Certificate Manager**

## Agenda:

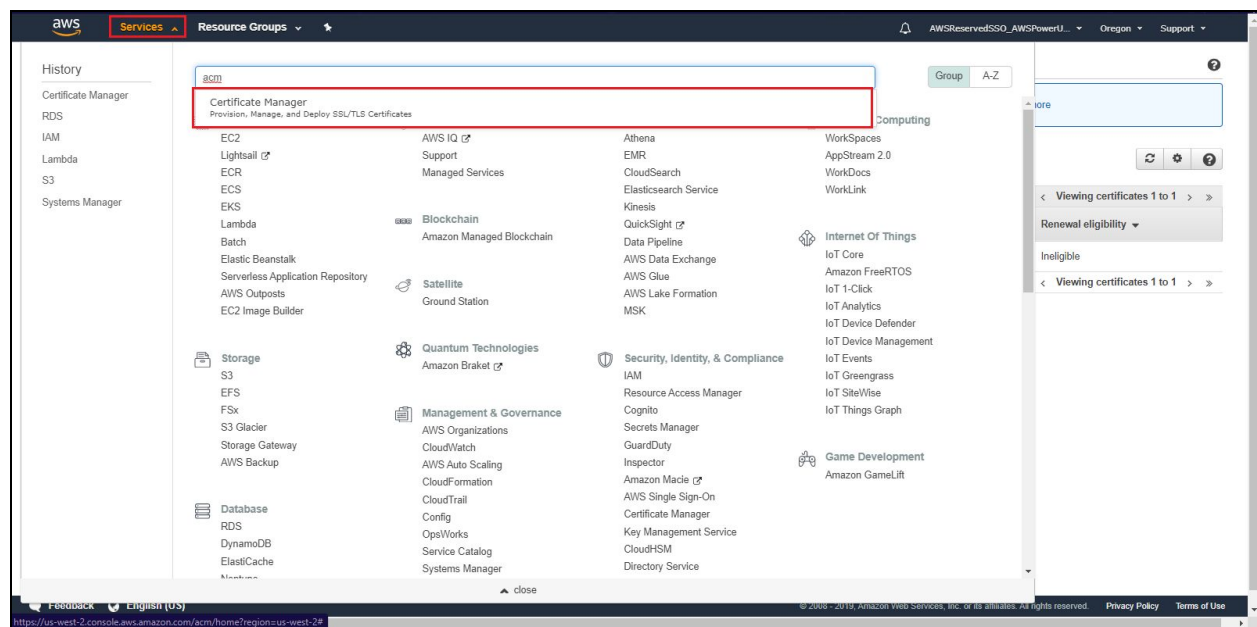
AWS Certificate Manager is a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services and your internal connected resources. SSL/TLS certificates are used to secure network communications and establish the identity of websites over the Internet as well as resources on private networks.

With AWS Certificate Manager, you can quickly request a certificate, deploy it on ACM-integrated AWS resources, such as Elastic Load Balancers, Amazon CloudFront distributions, and APIs on API Gateway, and let AWS Certificate Manager handle certificate renewals.

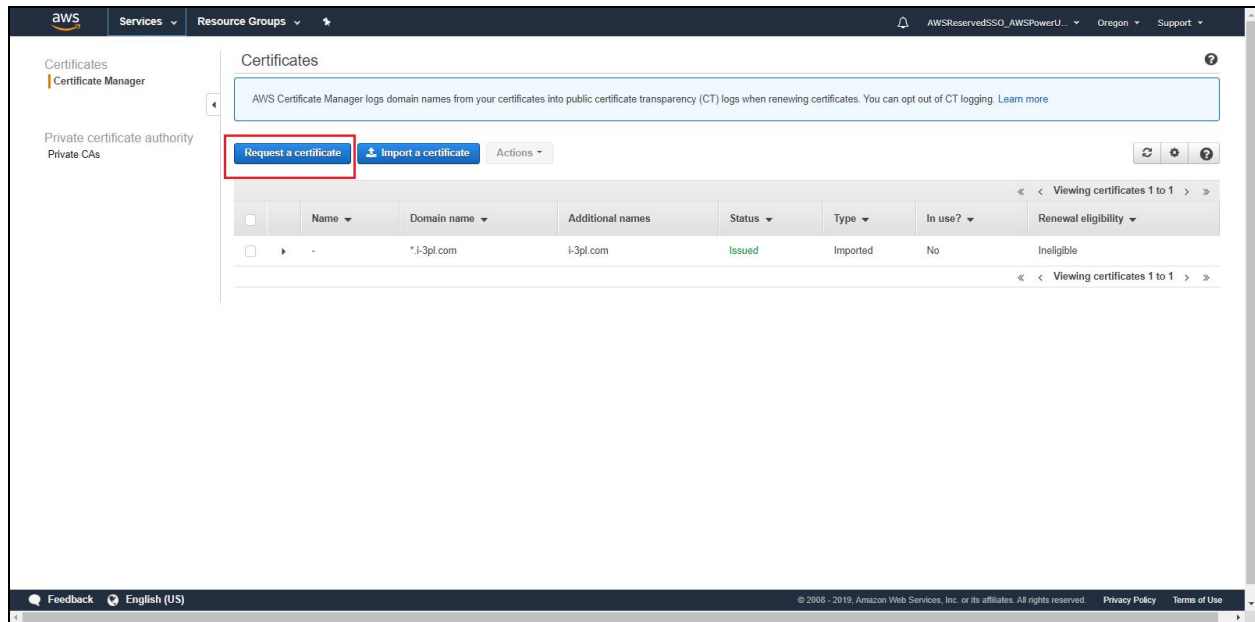
AWS Certificate manager will allow us to create alternate domain names to our web application in cloudfront.

By the end of the document, we learn how to request a public certificate and how to create the certificate

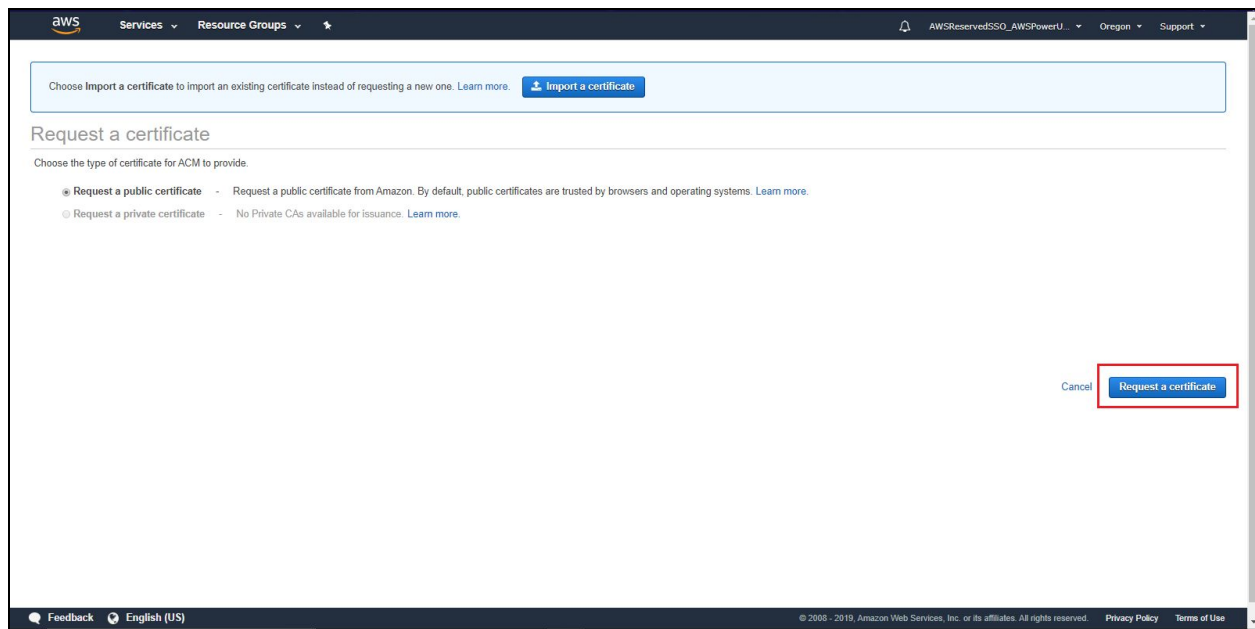
First, we have to login into the **AWS Console** and search for the **Certificate Manager** service.



Now Click on the **Request a certificate** to create new certificate.



Now select the Request a public certificate and click on Request a certificate.



Now enter the domain name as **\*.i-3pl.com** and click on next. It allows us to access the application with domain name ends with **.i-3pl.com**.

The screenshot shows the AWS Certificate Manager console. The left sidebar lists the steps: Step 1: Add domain names (selected), Step 2: Select validation method, Step 3: Add Tags, Step 4: Review, and Step 5: Validation. The main content area is titled 'Request a certificate'. It contains two informational boxes: '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](#)' and 'You can use AWS Certificate Manager certificates with other AWS Services.' Below these is the 'Add domain names' section, which includes instructions on how to enter domain names and a table with one entry: 'Domain name\*' with the value '\*.i-3pl.com' and a 'Remove' button. There is an 'Add another name to this certificate' button below the table. At the bottom right, there are 'Cancel' and 'Next' buttons, with the 'Next' button highlighted by a red box.

Now click on review the certificate.

The screenshot shows the AWS Certificate Manager console at Step 3: Add Tags. The left sidebar shows the steps: Step 1: Add domain names, Step 2: Select validation method, Step 3: Add Tags (selected), Step 4: Review, and Step 5: Validation. The main content area is titled 'Request a certificate' and 'Add Tags'. It includes instructions on how to use tags and a table with two columns: 'Tag Name' and 'Value'. Below the table is an 'Add Tag' button. At the bottom right, there are 'Cancel', 'Previous', and 'Review' buttons, with the 'Review' button highlighted by a red box.

Now review the certificate and click on **confirm and request**.

The screenshot shows the 'Request a certificate' page in the AWS Certificate Manager console. The left sidebar lists the steps: Step 1: Add domain names, Step 2: Select validation method, Step 3: Add Tags, Step 4: Review (highlighted), and Step 5: Validation. The main content area is titled 'Review' and contains the following information:

- Domain name:** The name you want to secure with an SSL/TLS certificate. The value is `*i-3pl.com`.
- Validation method:** The method AWS uses to validate your certificate request. The value is `DNS`.

At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Confirm and request' (which is highlighted with a red box).

Now we will get a C-Name and value for the certificate and those values needs to be added to Americold external DNS server. Once the C-Name is added the status of the certificate will be changed to issued.

The screenshot shows the 'Certificates' page in the AWS Certificate Manager console. The left sidebar shows 'Certificates' and 'Certificate Manager'. The main content area shows a list of certificates. The table below is a representation of the data shown in the screenshot:

	Name	Domain name	Additional names	Status	Type	In use?	Renewal eligibility
<input type="checkbox"/>	-	*i-3pl.com	i-3pl.com	Issued	Imported	No	Ineligible

The 'Status' column for the first certificate is highlighted with a red box.