What?
- AWS Certificate Manager (ACM) makes it easy to provision, manage, deploy, and renew SSL/TLS certificates for use with AWS services and your internal connected resources.
- SSL/TLS are industry standard protocols for encrypting network communications and establishing the identity of websites.

Why?
- AWS Certificate Manager can help you meet regulatory and compliance requirements for encryption of data in transit.
- It removes many of the time-consuming and error-prone steps to acquire a SSL/TLS certificate like generate a key pair or certificate signing request (CSR), submit a CSR to a certificate authority, or upload and install the certificate once received.

When?
- You need free public certificates for ACM-integrated services, such as ELB, Amazon CloudFront and API Gateway.
- You want to automate renewal and deployment of certificates.
- You need to create private certificates for your internal resources and manage the certificate lifecycle centrally.

Where?
- AWS Certificate Manager (ACM) is a regional service.
- Certificates generated by it can be used for ACM-integrated services which could be global such as Amazon CloudFront distribution.

AWS Certificate Manager (ACM)

Who?
- You can provide certificates for your integrated AWS services either by issuing them directly with ACM or by importing third-party certificates into the ACM management system.
- With ACM Private CA, you can create your own certificate authority (CA) hierarchy and issue certificates.

How?
- 1. Request or import a TLS/SSL certificate you would like to use into your AWS account.
- 2. Validate domain ownership for your requested certificate using DNS or email validation to complete certificate issuance.
- 3. Use your newly issued or imported certificates in various AWS services like ELB, Amazon CloudFront etc.

Category:

Security, Identity, and Compliance

How much?
- Public and private certificates provisioned through ACM for use with ACM-integrated services are free.
- For AWS Certificate Manager Private Certificate Authority (CA), you pay monthly for the operation of the private CA and for the private certificates you issue.