free SSL certificate

To install a free SSL certificate on an Ubuntu EC2 instance running Apache2, you can use Let's Encrypt, which provides free SSL certificates. Here are the steps to install and configure Let's Encrypt on your EC2 instance with Apache2:

1. SSH into your EC2 instance:

Use your terminal to connect to your EC2 instance using SSH. Replace your-instance-ip with the actual public IP address or DNS name of your EC2 instance and your-key.pem with the path to your private key file.

bash

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#ssh -i your-key.pem ubuntu@your-instance-ip

2. Update your Ubuntu packages:

Before installing Let's Encrypt, update your system's package list to ensure you have the latest information about available packages.

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#sudo apt update

3. Install Certbot (Let's Encrypt client):

Certbot is a tool that simplifies the process of obtaining and renewing SSL certificates from Let's Encrypt. Install it using apt:

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#sudo apt install certbot python3-certbot-apache

4. Obtain and Install the SSL Certificate:

Use Certbot to obtain and install your SSL certificate. Replace example.com with your domain name:

bash

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#sudo certbot --apache -d example.com -d www.example.com

Certbot will guide you through the process, and it will automatically configure your Apache2 virtual host to use the SSL certificate.

5. Test the SSL Configuration:

To ensure that your SSL configuration is working correctly, you can use online tools like SSL Labs' SSL Server Test (https://www.ssllabs.com/ssltest/) to check the SSL setup of your website.

sudo certbot --apache -d -d www.thecloudcomputers.com -d thecloudcomputers.com