Table of Contents

[**1.** **Generate the CSR File** 2](#_Toc182837517)

[**2.** **Generate the Certificate** 2](#_Toc182837518)

[**3.** **Get the Require Files** 2](#_Toc182837519)

[**4.** **Import Certificate in AWS Cert Manager** 3](#_Toc182837520)

# **Generate the CSR File**

[root@hbl-gcp-rhel-byos lentra\_Cert]# openssl req -new -newkey rsa:2048 -keyout bre.hdfcbankapps.com.key -nodes -out bre.hdfcbankapps.com.csr

Generating a RSA private key

.............................+++++

............+++++

writing new private key to 'bre.hdfcbankapps.com.key'

-----

You are about to be asked to enter information that will be incorporated

into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

-----

Country Name (2 letter code) [XX]:**IN**

State or Province Name (full name) []:**Maharashtra**

Locality Name (eg, city) [Default City]:Mumbai

Organization Name (eg, company) [Default Company Ltd]:**Hdfc Bank Limited**

Organizational Unit Name (eg, section) []:**IT**

Common Name (eg, your name or your server's hostname) []:**bre.hdfcbankapps.com**

Email Address []: **BLANK – Direct Enter**

Please enter the following 'extra' attributes

to be sent with your certificate request

A challenge password []: **BLANK – Direct Enter**

An optional company name []: **BLANK – Direct Enter**

[root@hbl-gcp-rhel-byos lentra\_Cert]# ls -l

total 8

-rw-r--r--. 1 root root 1033 Jun 9 10:11 bre.hdfcbankapps.com.csr

-rw-------. 1 root root 1704 Jun 9 10:09 bre.hdfcbankapps.com.key

# **Generate the Certificate**

# **Get the Require Files**

* Certificate Creation team will revert with zip which include 3 files as below. Download zip file and unzip it.

# unzip bre.hdfcbankapps.com

# cd bre.hdfcbankapps.com

$ ls -l

total 12

-rw-r--r-- 1 M19521 1049089 1316 Jun 12 04:28 'DigiCert Global Root G2.txt'

-rw-r--r-- 1 M19521 1049089 1904 Jun 12 04:28 'GeoTrust EV RSA CA G2.txt'

-rw-r--r-- 1 M19521 1049089 2518 Jun 12 04:28 bre\_hdfcbankapps\_com.txt

* Rename the bre\_hdfcbankapps\_com.txt to bre\_hdfcbankapps\_com.cer, this file can be use for **certificate\_body**

# cd bre.hdfcbankapps.com

# mv bre\_hdfcbankapps\_com.txt bre\_hdfcbankapps\_com.cer

# ls -l

total 12

-rw-r--r-- 1 M19521 1049089 1316 Jun 12 04:28 'DigiCert Global Root G2.txt'

-rw-r--r-- 1 M19521 1049089 1904 Jun 12 04:28 'GeoTrust EV RSA CA G2.txt'

-rw-r--r-- 1 M19521 1049089 2518 Jun 12 04:28 bre\_hdfcbankapps\_com.cer

* Generate the **certificate\_chain** file.

# cd bre.hdfcbankapps.com

$ ls -l

total 12

-rw-r--r-- 1 M19521 1049089 1316 Jun 12 04:28 'DigiCert Global Root G2.txt'

-rw-r--r-- 1 M19521 1049089 1904 Jun 12 04:28 'GeoTrust EV RSA CA G2.txt'

-rw-r--r-- 1 M19521 1049089 2518 Jun 12 04:28 bre\_hdfcbankapps\_com.cer

$ cat 'DigiCert Global Root G2.txt' > bre\_hdfcbankapps\_com.crt

$ cat 'GeoTrust EV RSA CA G2.txt' >> bre\_hdfcbankapps\_com.crt

$ ls -l

total 16

-rw-r--r-- 1 M19521 1049089 1316 Jun 12 04:28 'DigiCert Global Root G2.txt'

-rw-r--r-- 1 M19521 1049089 1904 Jun 12 04:28 'GeoTrust EV RSA CA G2.txt'

-rw-r--r-- 1 M19521 1049089 2518 Jun 12 04:28 bre\_hdfcbankapps\_com.cer

-rw-r--r-- 1 M19521 1049089 3220 Jun 12 18:58 bre\_hdfcbankapps\_com.crt

* Copy the **Private Key** in same Folder which created during CSR file Creation Process.

# cd bre.hdfcbankapps.com

# mv ../Y\_CSR\_Files/Private\_Key/bre\_hdfcbankapps\_com.key .

$ ls -l

total 20

-rw-r--r-- 1 M19521 1049089 1316 Jun 12 04:28 'DigiCert Global Root G2.txt'

-rw-r--r-- 1 M19521 1049089 1904 Jun 12 04:28 'GeoTrust EV RSA CA G2.txt'

-rw-r--r-- 1 M19521 1049089 2518 Jun 12 04:28 bre\_hdfcbankapps\_com.cer

-rw-r--r-- 1 M19521 1049089 3220 Jun 12 18:58 bre\_hdfcbankapps\_com.crt

-rw-r--r-- 1 M19521 1049089 1704 Jun 9 15:39 bre\_hdfcbankapps\_com.key

# **Import Certificate in AWS Cert Manager**

* Terraform Script

module "bre\_hdfcbankapps\_com" {

source = "terraform.hdfcbank.com/HDFCBANK/module/aws//modules/aws-acm"

version = "1.0.6"

name = "bre.hdfcbankapps.com"

environment = "prod"

label\_order = ["name"]

private\_key = "../bre.hdfcbankapps.com/bre\_hdfcbankapps\_com.key"

certificate\_body = "../bre.hdfcbankapps.com/bre\_hdfcbankapps\_com.cer"

certificate\_chain = "../bre.hdfcbankapps.com/bre\_hdfcbankapps\_com.crt"

import\_certificate = true

tags = var.additional\_tags

}

* Validation in ACM

Open Certificate Manager Console 🡪 List Certificates