Troubleshoot Expressway Intermediate DigiCert Global Root CA Certificate Expiry on March 8, 2023

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Introduction

This document describes how to replace DigiCert Global Root CA which is set to expire on Wednesday, March 8, 2023. This means those devices that don't trust "DigiCert Global Root CA" starts certificate warnings and TLS negotiations break on Wednesday, March 8, 2023.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on Cisco Expressway x14.X.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

DigiCert Global Root CA intermediate CA is planned to expire on 08/Mar/2023. This is an intermediate certificate in the DigiCert certificate chain. Once it is expired, deployments break:

1. Mobile remote access.

1a. Expressway Core root and intermediate CAs are uploaded on Cisco Unified Communications

Manager (CUCM) in order to perform Traffic server certificate validation. This TLS negotiation breaks post 08/Mar/2023 If intermediate CA is not updated.

1b. Traversal zone between Core and Expressway - Edge breaks if DigiCert certificates are uploaded on either.

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The "DigiCert Global Root CA" intermediate certificate expires on 08/Mar/2023, which must be replaced with a certificate.

Name: **DigiCert SHA2 Secure Server CA**

Issuer: **DigiCert Global Root CA**
Valid until: 08/Mar/2023
Serial #: 01:FD:A3:EB:6E:CA:75:C8:88:43:8B:72:4B:CF:BC:91

Certificate ✕

General | Details | Certification Path

Certificate Information

This certificate is intended for the following purpose(s):

- Proves your identity to a remote computer
- Ensures software came from software publisher
- Protects software from alteration after publication
- Protects e-mail messages
- Ensures the identity of a remote computer
- Allows data to be signed with the current time

* Refer to the certification authority's statement for details.

Issued to: DigiCert SHA2 Secure Server CA

Issued by: DigiCert Global Root CA
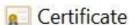
Valid from 3/8/2013 **to** 3/8/2023

Install Certificate... | Issuer Statement
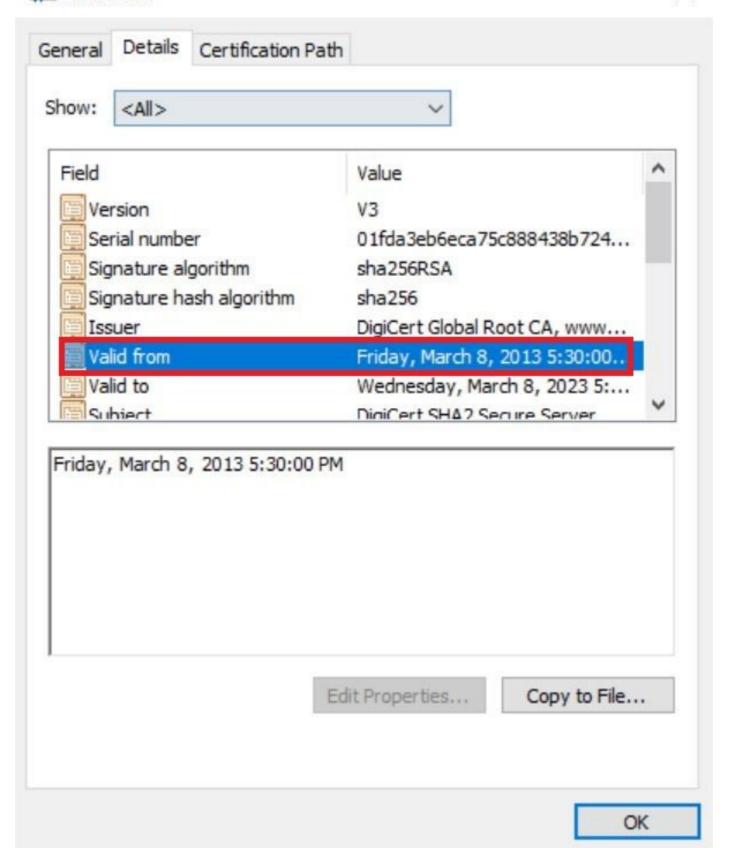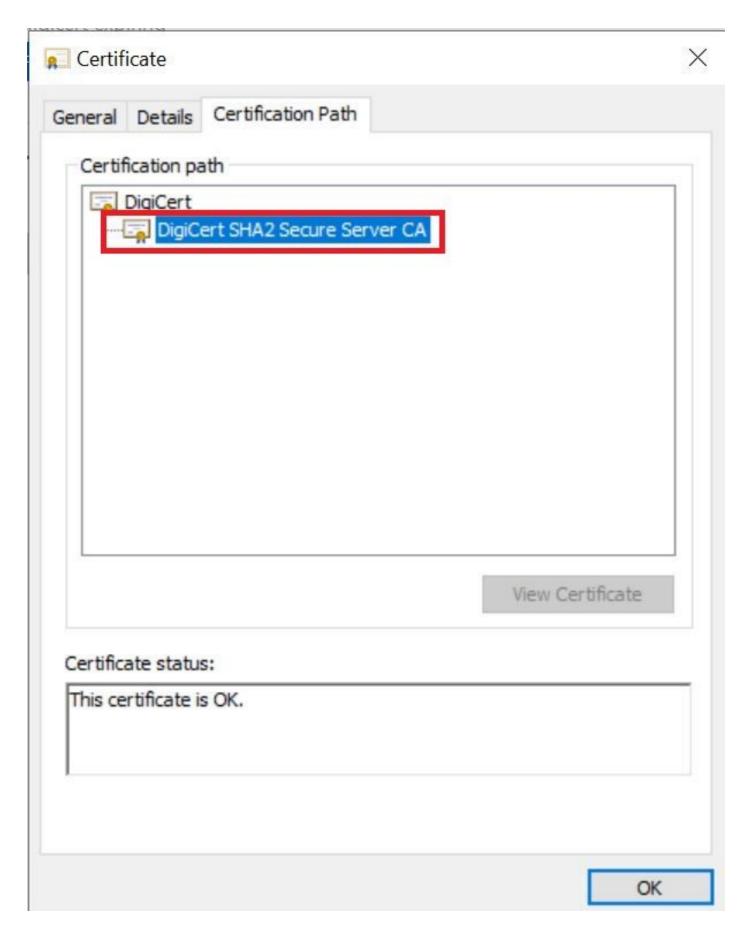
OK

CISCO Cisco Expressway-C

Status   System   Configuration   Applications   Users   **Maintenance**

Trusted CA certificate

⚠ **Failed**: Expired certificates or CRLs detected in trusted CA file

	Type	Issuer	Subject	Expiration date	Validity ▲
‹	Certificate	O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root CA	Matches Issuer	Nov 09 2031	Valid
☐	Certificate	O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root CA	O=DigiCert Inc, CN=DigiCert SHA2 Secure Server CA	Mar 08 2023	Valid
☐	Certificate	O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert High Assurance EV Root CA	O=DigiCert Inc, CN=DigiCert SHA2 High Assurance Server CA	Oct 22 2028	Valid

Show all (decoded)   Show all (PEM file)   Delete   Select all   Unselect all

Certificate

General | **Details** | **Certification Path**

Show: <All>

Field	Value
Version	V3
Serial number	01fda3eb6eca75c888438b724...
Signature algorithm	sha256RSA
Signature hash algorithm	sha256
Issuer	DigiCert Global Root CA, www...
Valid from	Friday, March 8, 2013 5:30:00..
Valid to	Wednesday, March 8, 2023 5:...
Subject	DigiCert SHA2 Secure Server

Friday, March 8, 2013 5:30:00 PM

Edit Properties...   Copy to File...
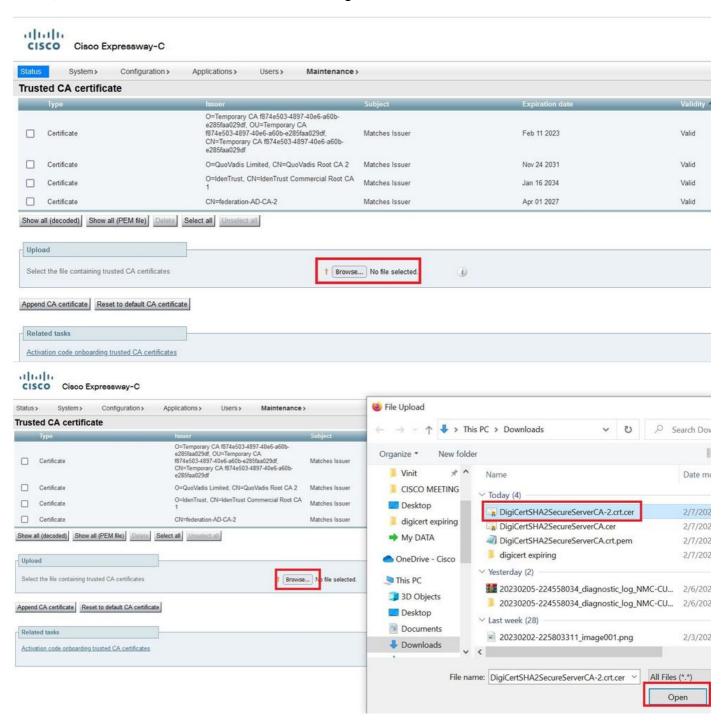
OK

Updated new certificate:

Name: **DigiCert SHA2 Secure Server CA**

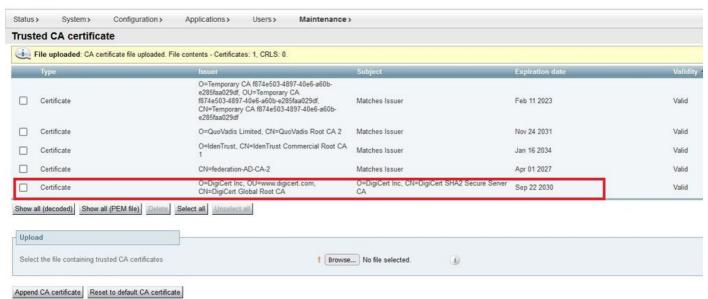Issuer: **DigiCert Global Root CA**
Valid until: 22/Sep/2030

Serial #: 02:74:2e:aa:17:ca:8e:21:c7:17:bb:1f:fc:fd:0c:a0

https://www.digicert.com/kb/digicert-root-certificates.htm

Please refer link to upload the CA certificate on
Expressways; https://www.youtube.com/watch?v=aT73FQVDoDo or navigate to **Maintenance >
Security > Trusted CA certificate** as shown in the image.

Refer document to upload the new expressway intermediate CA on CUCM; https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/217748-upload-the-root-and-intermediate-certifi.html