

对2023年3月8日 Expressway中间DigiCert全局根CA证书到期问题进行故障排除

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[对2023年3月8日 Expressway中间DigiCert全局根CA证书到期进行故障排除](#)

简介

本文档介绍如何替换DigiCert全局根CA，该CA设置为在2023年3月8日星期三到期。这意味着不信任“DigiCert Global Root CA”的设备将启动证书警告，TLS协商将于2023年3月8日星期三暂停。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于Cisco Expressway x14.X。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

DigiCert全局根CA中间CA计划于2023年3月08日到期。这是DigiCert证书链中的中间证书。一旦过期，部署中断：

1.移动远程访问。

1a。Expressway核心根和中间CA上传到Cisco Unified Communications Manager(CUCM)上以执行流量服务器证书验证。如果未更新中间CA，此TLS协商在2023年3月8日后中断。

1b。Core和Expressway之间的遍历区域 — 如果在任一上上传DigiCert证书，Edge将中断。

对2023年3月8日 Expressway中间DigiCert全局根CA证书到期进行

故障排除

“DigiCert Global Root CA”中间证书将于2023年3月8日到期，必须用证书替换。

名称： **DigiCert SHA2 Secure Server CA**

颁发机构： **DigiCert Global Root CA**

有效期至： 2023年3月08日

序列号 #: 01:FD:A3:EB:6E:CA:75:C8:88:43:8B:72:4B:CF:BC:91

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



Trusted CA certificate

Failed: Expired certificates or CRLs detected in trusted CA file

Type	Issuer	Subject	Expiration date	Validity [*]
<input checked="" type="checkbox"/> Certificate	O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root CA	Matches Issuer	Nov 09 2031	Valid
<input type="checkbox"/> 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
<input type="checkbox"/> 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)

General Details Certification Path

Show: <All>

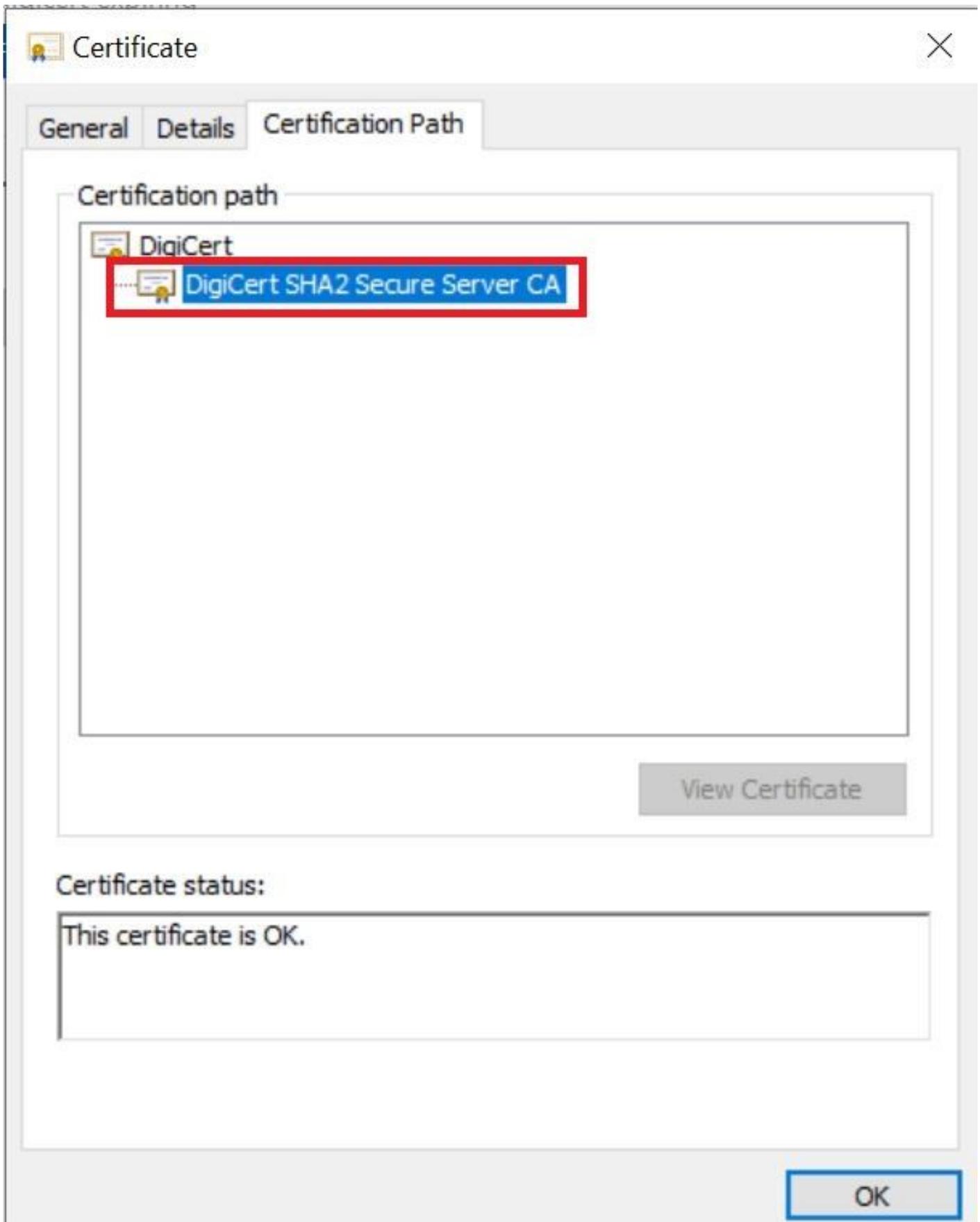
Field	Value
Version	V3
Serial number	01fda3eb6eca75c888438b724...
Signature algorithm	sha256RSA
Signature hash algorithm	sha256
Issuer	DigiCert Global Root CA, www...
Valid from	Friday, March 8, 2013 5:30:00..
Valid to	Wednesday, March 8, 2023 5:...
Subject	DigiCert SHA2 Secure Server

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

Edit Properties...

Copy to File...

OK



更新的新证书：

名称：DigiCert SHA2 Secure Server CA

颁发机构：DigiCert Global Root CA

有效期至：2030年9月22日

序列号 #: 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>

请参考链接上传Expressway上的CA证书； <https://www.youtube.com/watch?v=aT73FQVDoDo>或导航至Maintenance > Security > Trusted CA certificate 如图所示。

Trusted CA certificate

Type	Issuer	Subject	Expiration date	Validity
<input type="checkbox"/> Certificate	O=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, OU=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, CN=Temporary CA f874e503-4897-40e6-a60b-e285faa029df	Matches Issuer	Feb 11 2023	Valid
<input type="checkbox"/> Certificate	O=QuoVadis Limited, CN=QuoVadis Root CA 2	Matches Issuer	Nov 24 2031	Valid
<input type="checkbox"/> Certificate	O=IdenTrust, CN=IdenTrust Commercial Root CA 1	Matches Issuer	Jan 16 2034	Valid
<input type="checkbox"/> Certificate	CN=federation-AD-CA-2	Matches Issuer	Apr 01 2027	Valid

Buttons: Show all (decoded), Show all (PEM file), Delete, Select all, Unselect all

Upload section: Select the file containing trusted CA certificates. **Browse...** No file selected.

Buttons: Append CA certificate, Reset to default CA certificate

Related tasks: [Activation code onboarding trusted CA certificates](#)

Trusted CA certificate

Type	Issuer	Subject
<input type="checkbox"/> Certificate	O=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, OU=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, CN=Temporary CA f874e503-4897-40e6-a60b-e285faa029df	Matches Issuer
<input type="checkbox"/> Certificate	O=QuoVadis Limited, CN=QuoVadis Root CA 2	Matches Issuer
<input type="checkbox"/> Certificate	O=IdenTrust, CN=IdenTrust Commercial Root CA 1	Matches Issuer
<input type="checkbox"/> Certificate	CN=federation-AD-CA-2	Matches Issuer

Buttons: Show all (decoded), Show all (PEM file), Delete, Select all, Unselect all

Upload section: Select the file containing trusted CA certificates. **Browse...** No file selected.

Buttons: Append CA certificate, Reset to default CA certificate

Related tasks: [Activation code onboarding trusted CA certificates](#)

File Upload dialog box:

- Location: This PC > Downloads
- File list:
 - DigiCertSHA2SecureServerCA-2.crt.cer (2/7/2022)
 - DigiCertSHA2SecureServerCA.cer (2/7/2022)
 - DigiCertSHA2SecureServerCA.crt.pem (2/7/2022)
 - digicert expiring (2/7/2022)
- File name: DigiCertSHA2SecureServerCA-2.crt.cer
- File type: All Files (*.*)
- Buttons: **Open**



Trusted CA certificate

File uploaded: CA certificate file uploaded. File contents - Certificates: 1, CRLS: 0.

Type	Issuer	Subject	Expiration date	Validity
<input type="checkbox"/> Certificate	O=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, OU=Temporary CA f874e503-4897-40e6-a60b-e285faa029df, CN=Temporary CA f874e503-4897-40e6-a60b-e285faa029df	Matches Issuer	Feb 11 2023	Valid
<input type="checkbox"/> Certificate	O=QuoVadis Limited, CN=QuoVadis Root CA 2	Matches Issuer	Nov 24 2031	Valid
<input type="checkbox"/> Certificate	O=IdenTrust, CN=IdenTrust Commercial Root CA 1	Matches Issuer	Jan 16 2034	Valid
<input type="checkbox"/> Certificate	CN=federation-AD-CA-2	Matches Issuer	Apr 01 2027	Valid
<input type="checkbox"/> Certificate	O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root CA	O=DigiCert Inc, CN=DigiCert SHA2 Secure Server CA	Sep 22 2030	Valid

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

Upload

Select the file containing trusted CA certificates No file selected.

Append CA certificate Reset to default CA certificate

请参阅文档在CUCM上上传新的Expressway中间

CA;<https://www.cisco.com/c/en/us/support/docs/unified-communications/expressway/217748-upload-the-root-and-intermediate-certifi.html>

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言，希望全球的用户都能通过各自的语言得到支持性的内容。

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