

Title:	How to create HCP HTTPS cert	Version:	v1.0	Date:	03/21/2023
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Preparation

- 1) OpenSSL
- 2) OpenSSL.cnf (config file)
- 3) HCP testing environment

Title (How to create HCP HTTPS Cert)

1. Download & Install OpenSSL

1) Download from http://wiki.overbyte.eu/wiki/index.php/ICS_Download

on older versions of Windows such as XP, Vista and 7.

Date	Download	Description	Comments
2023-03-15	OpenSSL Binaries Win-64 3.1.0 requires ICS V8.67 or later	Built with Visual Studio Build Tools 2017	Supports TLSv1.3. For 64-bit applications only (XE2+). Digitally code signed. Only supports Windows Vista/Server 2008, and later, not Windows XP.
2023-03-15	OpenSSL Binaries Win-32 3.1.0 requires ICS V8.67 or later	Built with Visual Studio Build Tools 2017	Supports TLSv1.3. Use with 32-bit applications on Windows 64-bit. Digitally code signed. Only supports Windows Vista/Server 2008, and later, not Windows XP.
2023-02-07	OpenSSL Binaries Win-64 3.0.8 requires ICS V8.67 or later	Built with Visual Studio Build Tools 2017	Supports TLSv1.3. For 64-bit applications only (XE2+). Digitally code signed. Only supports Windows Vista/Server 2008, and later, not Windows XP.
2023-02-07	OpenSSL Binaries Win-32 3.0.8 requires ICS V8.67 or later	Built with Visual Studio Build Tools 2017	Supports TLSv1.3. Use with 32-bit applications on Windows 64-bit. Digitally code signed. Only supports Windows Vista/Server 2008, and later, not Windows XP.

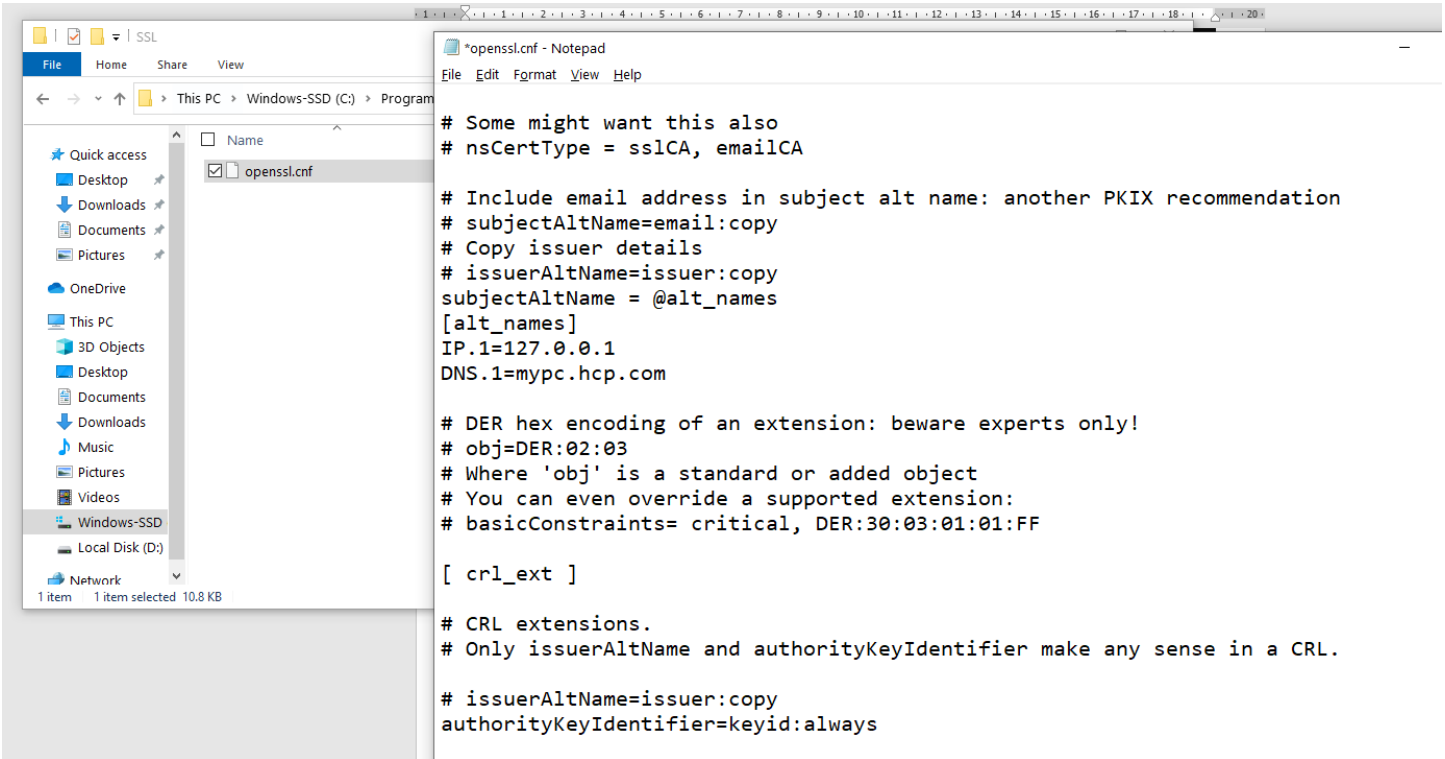
- 2) Pick the latest version.
- 3) Extract from zip file to (eg. D:\Hikvision\OpenSSL\)
- 4) Add the path to Environment Variables
 - i. Windows Search “View advanced system settings”
 - ii. Select “Environment Variables”
 - iii. Under “System Variables” Select and Edit “Path”
 - iv. Click on “New” insert the path (eg. D:\Hikvision\OpenSSL\)

2. Download OpenSSL.cnf

- 1) Download Link: <https://drive.ticklink.com/hcs/controller/hik-manage/fileDownload?link=qw8QHPI2>
Passcode:1314520
- 2) Keep the openssl.cnf to (eg. D:\Hikvision\Cert\)

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3. Edit the IP.1 and DNS.1



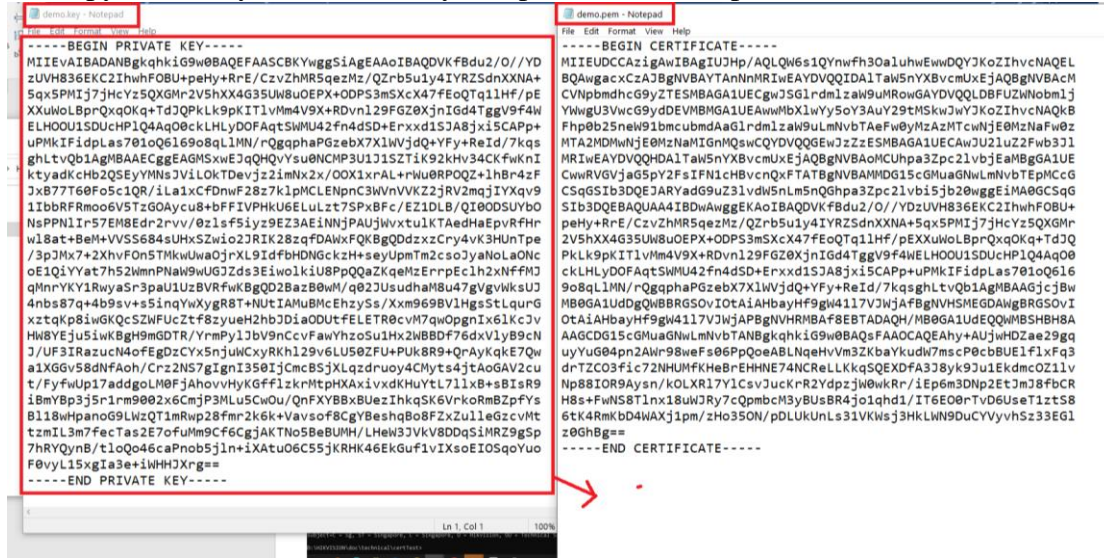
Note:

It can be multiple IP and DNS. (Eg. IP.2= & DNS.2=)

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5. Update Key

1) Copy entire key from demo.key and paste it to demo.pem



2) As screenshot below:

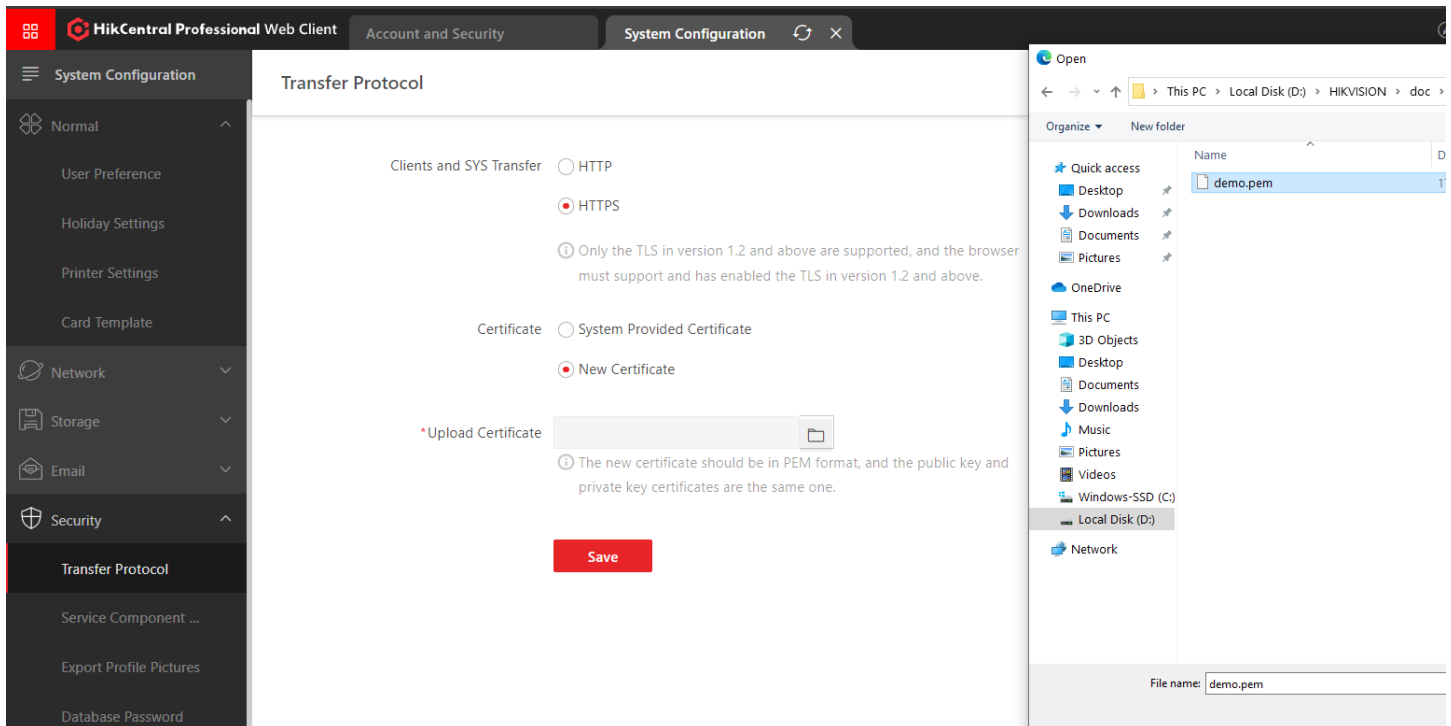


Note:
Remember to save the demo.pem

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6. Import demo.pem to HCP

- 1) HCP WebClient - System Configuration - Security - Transfer Protocol - HTTPS - New Certificate - Upload



Important Note:

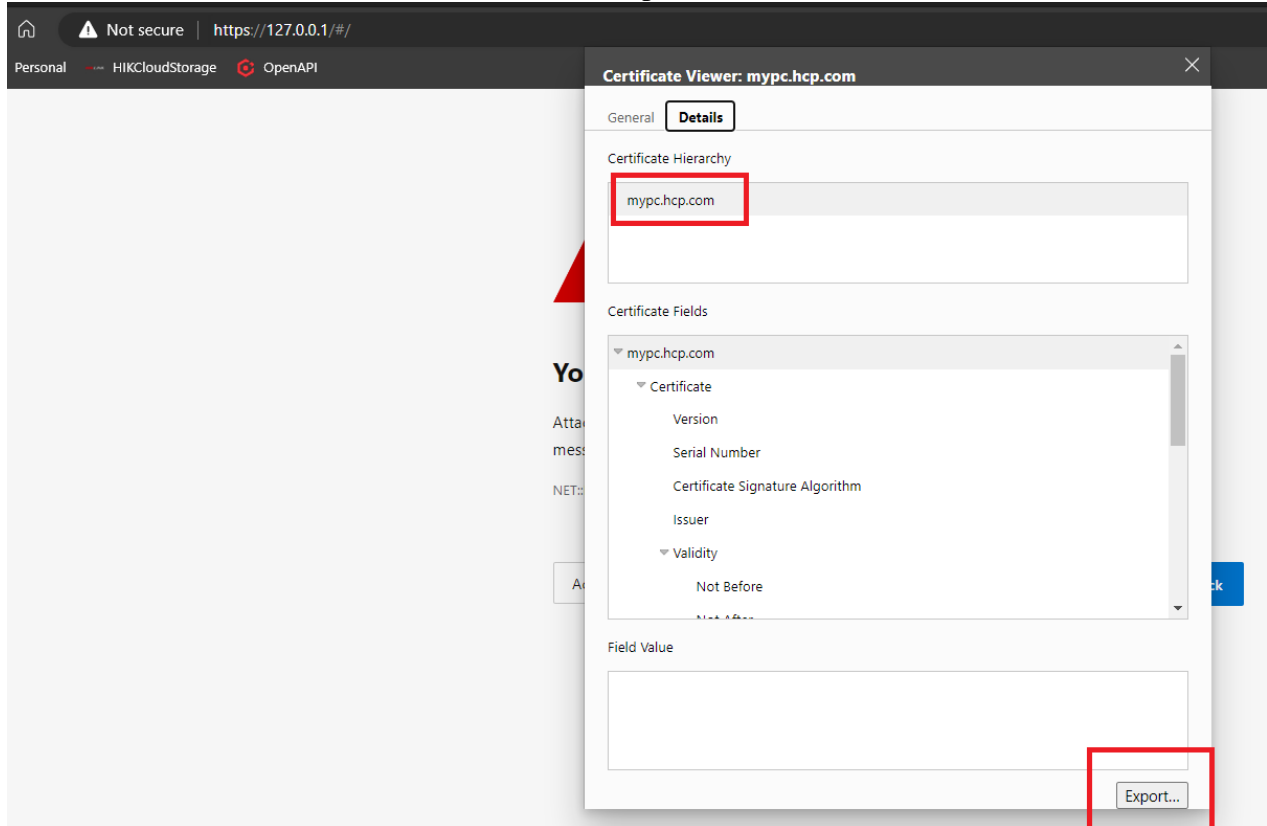
HCP SYS Service will restart after Save

7. Clear Web Browser Cache

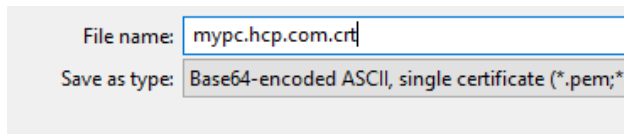
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8. Export Cert (It can be any PC)

1) Click on “Not secure” – “Details” – “Export”



9. Save the Export file under .crt format



10. Run the .crt

- 1) Store Location: Local Machine
- 2) Place the cert under “Trusted Root Certification Authorities”

11. Completed.

Note:

Access to IP.1 or DNS.1 shouldn't prompt not secure for 365days



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