



USER MANUAL MODEL:

Creating an SSL Certificate for VIA

Contents

Introduction	2
Creating an SSL Certificate	3
Creating SSL Certificate in Linux	3
Creating SSL Certificate in Windows:	4
-	

Introduction

VIA gateway embedded web pages enable you to upload a custom SSL certificate to better provide for the security needs of your organization.

This guide shows you how to create your own SSL certificate.

Creating an SSL Certificate

Create an SSL Certificate in Linux or, if you do not have a Linux base computer available, create the certificate on your Windows computer.

Creating SSL Certificate in Linux



If you do not have OPENSSL installed, use the following command to install it:

lars@admin-WStand:~\$ sudo apt-get install openssl
[sudo] password for lars:

To create an SSL certificate in Linux:

1. Enter the creation command in the following format:

```
#openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout Server.key
-out Server.crt
```

The command must include the following elements:

- .key file
- · .crt file.
- · Required amount of days to be valid.
- · At least 2048 bit RSA
- 2. Press Enter.
- 3. Fill in the information requested by the system.

```
Country Name (2 letter code) [AU]:DE
State or Province Name (full name) [Some-State]:NRW
Locality Name (eg, city) []:Erkelenz
Organization Name (eg, company) [Internet Widgits Pty Ltd]:Kramer Germany
Organizational Unit Name (eg, section) []:Lars Duziack
Common Name (e.g. server FQDN or YOUR name) []:Lars
Email Address []:l.duziack@kramergermany.com
```

4. See your VIA device user manual for instructions to upload the certificate.

Creating SSL Certificate in Windows

If you do not have a Linux base computer available, create the certificate on your Windows computer.



If you do not have the latest stable release of Openssl installed on your computer, download it from the Openssl official website.

To create an SSL certificate in Windows:

- 1. Open a CMD window as administrator and navigate to your Openssl folder.
- 2. Navigate to the bin folder and execute the "openssl.exe" file.

c:\OpenSSL-Win32≻cd bin c:\OpenSSL-Win32\bin≻openssl.exe OpenSSL>

3. Enter the creation command with the required variables, for example:

req -x509 -nodes -days 365 -newkey rsa:4096bits -sha512 -out server.crt -keyout server.key

- 4. If an error message appears, saying that the system is unable to make a certificate request, perform the following steps in an administrator CMD window:
 - a. Set openssl_conf=C:\[your path]\bin\openssl.cfg
 - b. Replace the path with your installation path.
 - c. Rerun the certificate variables.
- 5. Verify that the response is the same as the image below.

6. Replace all variables with your own data.

7. Verify that your folder contains the newly created files			
Verzeichni	s von c	:\OpenSSL-Win32\b:	in
22 04 2010	45.50		
23.01.2018	15:52	VDIR	
23.01.2018	15:52	<dir></dir>	
23.01.2018	14:58	<dir></dir>	cnf
23.01.2018	14:58	<dir></dir>	PEM
23.01.2018	15:46	1.024	.rnd
03.11.2017	21:43	6.952	CA.pl
03.11.2017	21:43	45.568	capi.dll
03.11.2017	21:43	27.136	dasync.dll
03.11.2017	21:43	2.093.056	libcrypto-1_1.dll
03.11.2017	21:43	374.784	libssl-1_1.dll
03.11.2017	21:43	970.912	msvcr120.dll
03.11.2017	21:43	10.771	openssl.cfg
03.11.2017	21:43	429.568	openssl.exe
03.11.2017	21:43	24.064	ossltest.dll
03.11.2017	21:43	34.304	padlock.dll
03.11.2017	21:43	4.826	progs.pl
23.01.2018	15:52	2.152	server.crt
23.01.2018	15:46	3.320	server.key
03.11.2017	21:43	6.779	tsget.pl

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8. See your VIA device user manual for instructions to upload the certificate.















SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing

For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to this user manual may be found.

We welcome your questions, comments, and feedback.

www.KramerAV.com info@KramerAV.com