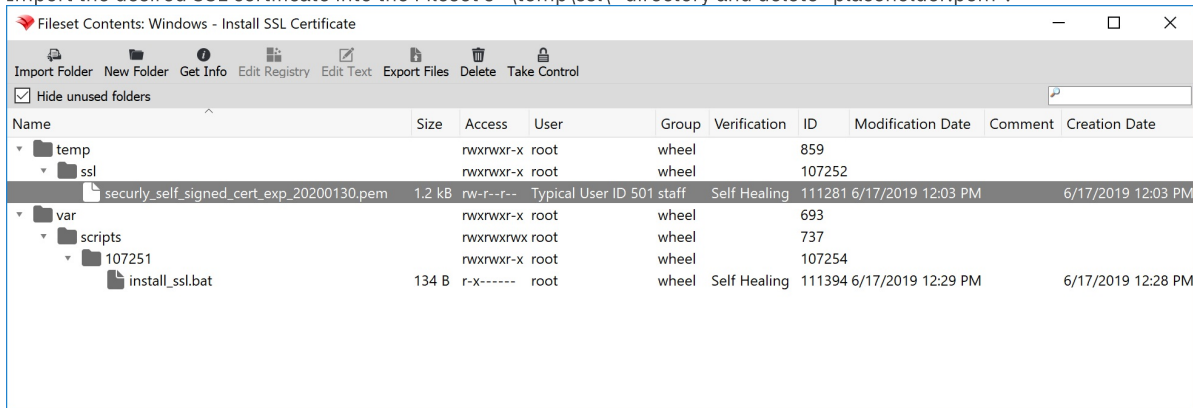


# Deploy SSL Certificates (Windows)

Deploy SSL certificates to Windows "Trusted Root Certification Authorities" certificate store for use in secure services such as web content filters.

## Step-by-step guide

- Download, unzip, and import the following Fileset Template into FileWave Central - [Windows - Install SSL Certificate.fileset.zip](#)
- Import the desired SSL certificate into the Fileset's "\\temp\\ssl\\" directory and delete "placeholder.pem".



- Select the "install\_ssl.bat" file, click "Edit Text", and replace "placeholder.pem" with the full file name of the newly uploaded certificate.



- This script will add the desired SSL certificate to the Windows "Trusted Root Certification Authorities" certificate store for both the Local Machine (-enterprise) and the Current User (-user).

- Associate and deploy the Fileset to a test machine and verify the installation on the Windows machine.
  - Open "certlm.msc" for the Local Machine (-enterprise) Certificate Store or "certmgr.msc" for the Current User (-user) Certificate Store via Windows Run dialog (Win + R) or Command Prompt.
  - Navigate to "Trusted Root Certification Authorities>Certificates" and verify the name of the newly added certificate.

certlm - [Certificates - Local Computer\Trusted Root Certification Authorities\Certificates]

FileActionViewHelp

Certificates - Local Computer

Personal

Trusted Root Certification Authorities

Certificates

Enterprise Trust

Intermediate Certification Authorities

Trusted Publishers

Untrusted Certificates

Third-Party Root Certification Authorities

Trusted People

Client Authentication Issuers

Preview Build Roots

eSIM Certification Authorities

Homegroup Machine Certificates

Local NonRemovable Certificates

Smart Card Trusted Roots

Trusted Devices

Windows Live ID Token Issuer

Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Name	Status	Certificate Tem...
*.securlly.com	*.securlly.com	1/30/2020	<All>	<None>		
AddTrust External CA Root	AddTrust External CA Root	5/30/2020	Server Authentication...	Sectigo (AddTrust)		
Baltimore CyberTrust Root	Baltimore CyberTrust Root	5/12/2025	Server Authentication...	DigiCert Baltimore R...		
Class 3 Public Primary Certificati...	Class 3 Public Primary Certification ...	8/1/2028	Server Authentication...	VeriSign Class 3 Pub...		
COMODO RSA Certification Aut...	COMODO RSA Certification Autho...	1/18/2038	Server Authentication...	Sectigo (formerly Co...		
Copyright (c) 1997 Microsoft Corp.	Copyright (c) 1997 Microsoft Corp.	12/30/1999	Time Stamping	Microsoft Timestam...		
DigiCert Assured ID Root CA	DigiCert Assured ID Root CA	11/9/2031	Server Authentication...	DigiCert		
DigiCert Global Root CA	DigiCert Global Root CA	11/9/2031	Server Authentication...	DigiCert		
DigiCert High Assurance EV Roo...	DigiCert High Assurance EV Root CA	11/9/2031	Server Authentication...	DigiCert		
DST Root CA X3	DST Root CA X3	9/30/2021	Secure Email, Server ...	DST Root CA X3		
GlobalSign	GlobalSign	12/15/2021	Server Authentication...	Google Trust Service...		
GlobalSign Root CA	GlobalSign Root CA	1/28/2028	Server Authentication...	GlobalSign Root CA ...		
Go Daddy Class 2 Certification A...	Go Daddy Class 2 Certification Aut...	6/29/2034	Server Authentication...	Go Daddy Class 2 C...		
Hotspot 2.0 Trust Root CA - 03	Hotspot 2.0 Trust Root CA - 03	12/8/2043	Server Authentication...	Hotspot 2.0 Trust Ro...		
Microsoft Authenticode(tm) Roo...	Microsoft Authenticode(tm) Root ...	12/31/1999	Secure Email, Code ...	Microsoft Authentic...		
Microsoft ECC Product Root Cert...	Microsoft ECC Product Root Certifi...	2/27/2043	<All>	Microsoft ECC Prod...		
Microsoft Root Authority	Microsoft Root Authority	12/31/2020	<All>	Microsoft Root Aut...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authority	5/9/2021	<All>	Microsoft Root Certi...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authorit...	6/23/2035	<All>	Microsoft Root Certi...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authorit...	3/22/2036	<All>	Microsoft Root Certi...		
NO LIABILITY ACCEPTED, (c)97 Veri...	NO LIABILITY ACCEPTED, (c)97 Veri...	1/7/2004	Time Stamping	VeriSign Time Stam...		
Starfield Class 2 Certification Aut...	Starfield Class 2 Certification Auth...	6/29/2034	Server Authentication...	Starfield Class 2 Cert...		
Symantec Enterprise Mobile Ro...	Symantec Enterprise Mobile Root f...	3/14/2032	Code Signing	<None>		
Thawte Premium Server CA	Thawte Premium Server CA	12/31/2020	Server Authentication...	thawte		
thawte Primary Root CA	thawte Primary Root CA	7/16/2036	Server Authentication...	thawte		
Thawte Timestamping CA	Thawte Timestamping CA	12/31/2020	Time Stamping	Thawte Timestampi...		
USB\VID_1A86&PID_5512 (libwdi ...	USB\VID_1A86&PID_5512 (libwdi a...	12/31/2028	Code Signing	libwdi		
UTN-USERFirst-Object	UTN-USERFirst-Object	7/9/2019	Encrypting File Syst...	Sectigo (UTN Object)		
VeriSign Class 3 Public Primary C...	VeriSign Class 3 Public Primary Cert...	7/16/2036	Server Authentication...	VeriSign		
VeriSign Universal Root Certifica...	VeriSign Universal Root Certificatio...	12/1/2037	Server Authentication...	VeriSign Universal R...		

Trusted Root Certification Authorities store contains 30 certificates.

certmgr - [Certificates - Current User\Trusted Root Certification Authorities\Certificates]

FileActionViewHelp

Certificates - Current User

Personal

Trusted Root Certification Authorities

Certificates

Enterprise Trust

Intermediate Certification Authorities

Active Directory User Object

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Third-Party Root Certification Authorities

Trusted People

Client Authentication Issuers

Other People

Local NonRemovable Certificates

Smart Card Trusted Roots

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Class 3 Public Primary Certificati...	Class 3 Public Primary Certification ...	8/1/2028	Server Authentication...	VeriSign Class 3 Pub...		
COMODO RSA Certification Aut...	COMODO RSA Certification Autho...	1/18/2038	Server Authentication...	Sectigo (formerly Co...		
Copyright (c) 1997 Microsoft Corp.	Copyright (c) 1997 Microsoft Corp.	12/30/1999	Time Stamping	Microsoft Timestam...		
DigiCert Assured ID Root CA	DigiCert Assured ID Root CA	11/9/2031	Server Authentication...	DigiCert		
DigiCert Global Root CA	DigiCert Global Root CA	11/9/2031	Server Authentication...	DigiCert		
DigiCert High Assurance EV Roo...	DigiCert High Assurance EV Root CA	11/9/2031	Server Authentication...	DigiCert		
DST Root CA X3	DST Root CA X3	9/30/2021	Secure Email, Server ...	DST Root CA X3		
GlobalSign	GlobalSign	12/15/2021	Server Authentication...	Google Trust Service...		
GlobalSign Root CA	GlobalSign Root CA	1/28/2028	Server Authentication...	GlobalSign Root CA ...		
Go Daddy Class 2 Certification A...	Go Daddy Class 2 Certification Aut...	6/29/2034	Server Authentication...	Go Daddy Class 2 C...		
Hotspot 2.0 Trust Root CA - 03	Hotspot 2.0 Trust Root CA - 03	12/8/2043	Server Authentication...	Hotspot 2.0 Trust Ro...		
Microsoft Authenticode(tm) Roo...	Microsoft Authenticode(tm) Root ...	12/31/1999	Secure Email, Code ...	Microsoft Authentic...		
Microsoft ECC Product Root Cert...	Microsoft ECC Product Root Certifi...	2/27/2043	<All>	Microsoft ECC Prod...		
Microsoft Root Authority	Microsoft Root Authority	12/31/2020	<All>	Microsoft Root Aut...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authority	5/9/2021	<All>	Microsoft Root Certi...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authorit...	6/23/2035	<All>	Microsoft Root Certi...		
Microsoft Root Certificate Autho...	Microsoft Root Certificate Authorit...	3/22/2036	<All>	Microsoft Root Certi...		
NO LIABILITY ACCEPTED, (c)97 Veri...	NO LIABILITY ACCEPTED, (c)97 Veri...	1/7/2004	Time Stamping	VeriSign Time Stam...		
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USB\VID_1A86&PID_5512 (libwdi ...	USB\VID_1A86&PID_5512 (libwdi a...	12/31/2028	Code Signing	libwdi		
UTN-USERFirst-Object	UTN-USERFirst-Object	7/9/2019	Encrypting File Syst...	Sectigo (UTN Object)		
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**Additional Information**  
More information and options for the "certutil" program can be found on [Microsoft Docs](#).

# Related articles

- [APNs Certificate Creation & Renewal on Windows Computers](#)

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