## Installing a Self-Signed Certificate as a Trusted Root CA in Windows

You need to install your server certificate as a trusted root CA certificate in your Windows clients if you use a self-signed certificate as a server certificate in TekRADIUS. Start with exporting the server certificate.

Open the MMC (Start > Run > MMC).



Go to File > Add / Remove Snap In, and double click Certificates

Add or Remove Snap-ins						×
You can select snap-ins for t extensible snap-ins, you can	his console from th configure which e	iose xter	e available on you nsions are enable	ur computer and configure the selecte	ed set of snap-ins. For	
Available <u>s</u> nap-ins:				Selected snap-ins:		
Snap-in	Vendor	^		Console Root	Edit Extensions	
activeX Control	Microsoft Cor				Domaya	
Authorization Manager	Microsoft Cor				Keniove	
Gertificates	Microsoft Cor					
Component Services	Microsoft Cor				Move Up	
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击 Device Manager	Microsoft Cor		∠ pp∀		Move <u>D</u> own	
📅 Disk Management	Microsoft and		<u> </u>			
🛃 Event Viewer	Microsoft Cor					
🚞 Folder	Microsoft Cor					
Group Policy Object	Microsoft Cor					
Security Monitor	Microsoft Cor					
🛃 IP Security Policy M	Microsoft Cor					
Link to Web Address	Microsoft Cor	¥			Ad <u>v</u> anced	
Description: The Certificates snap-in allo	ows you to browse	the	contents of the	certificate stores for yourself, a serv	ice, or a computer.	
				[	OK Cancel	

Select Computer Account. Select Local Computer > Finish

**TekRADIUS** - Installing a Self-Signed Certificate as a Trusted Root CA in Windows

Certificates snap-in X	Select Computer X
This snap-in will always manage certificates for:          My user account         Service account         © computer account	Select the computer you want this snap-in to manage.         This snap-in will always manage: <ul> <li></li></ul>

Click OK to exit the Snap-In window.

ActiveX Control ActiveX Control Certificates Component Services Computer Manager Device Manager Disk Management Event Viewer Folder Group Policy Object IP Security Monitor IP Security Policy M Link to Web Address	Vendor Microsoft Cor Microsoft Cor	<	Add >	Console Root	Edit Extensions  Remove  Move Up  Move Down  Advanced
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Click [+] next to Certificates > Personal > Certificates. Locate and select the certificate for the correct domain.

Console1 - [Console Root\Certificates (I	Local Computer)\Personal\Certific	ates]	-	
<u>File Action View Favorites Win</u>	dow <u>H</u> elp			_ & ×
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Console Root	Issued To	Issued By	Actions	
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Certificates	Calhost	localhost test	More Actions	+
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<ul> <li>Intermediate Certification Aut</li> <li>Turbed D. Michael</li> </ul>	🛱 office.kaplansoft.com	R11 test ✓	More Actions	+
< Inisted Publishers	<	>		

Right Click and select All tasks > Export. Press Next. You can access the Export Wizard also through TekRADIUS Manager. Click Display Certificate at TekRADIUS Manager / Settings / Authentication. Select Details tab and click "Copy to File" button

	÷	Certificate Export Wizard	×
		Welcome to the Certificate Export Wizard	
		This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.	
		A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
		To continue, dick Next.	
		<u>N</u> ext Cancel	
Select No, do not e	хро	ort the private key.	
Select No, do not e	хро	ort the private key.	×
Select No, do not e	expo ←	ert the private key.	×
Select No, do not e	expo ←	Fort the private key.         Fort fricate Export Wizard         Export Private Key         You can choose to export the private key with the certificate.	×
Select No, do not e	expo ←	Image: Second	×
Select No, do not e	¢	Fort the private key.  Sector of the private key.  For the private Key  You can choose to export the private key with the certificate.  Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.  Do you want to export the private key with the certificate?  O Yes, export the private key	×
Select No, do not e	¢	Fort the private key. Fort the private key. Fort the private key For the private key with the certificate. Frivate keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page. Do you want to export the private key with the certificate? O Yes, export the private key Image: No. do not export the private key	×
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Cancel

<u>N</u>ext

Choose DER encoded binary X.509 (.CER). Click Next.

	Export File Format Certificates can be exported in a variety of file formats.
	Select the format you want to use:
	DER encoded binary X.509 (.CER)
	○ Ba <u>s</u> e-64 encoded X.509 (.CER)
	○ Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
	Include all certificates in the certification path if possible
	<u>Personal Information Exchange - PKCS #12 (.PFX)</u>
	Indude all certificates in the certification path if possible
	Delete the private key if the export is successful
	Export all extended properties
	Enable certificate privacy
	○ Microsoft Serialized Certificate Store (.SST)
and sav	/e your .cer file
÷	🚰 Certificate Export Wizard
~	🚰 Certificate Export Wizard
÷	File to Export
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÷	File to Export   Specify the name of the file you want to export     File name:     I      Browse
÷	File to Export         Specify the name of the file you want to export             File name:             Image:             Browse

Press Next > Finish > OK.

File to Export Specify the name of the file you want to export					
<u>F</u> ile nam	e:				
C:\Use	rs\myuser\Desk	top\MyServer.c	er		Browse

## Import the Certificate

In order to import the certificate you need to access it from the Microsoft Management Console (MMC). Open an MMC in the client machine and add Certificates snap in as instructed in the export process.

<u>N</u>ext

Cancel

Click [+] next to Certificates > Personal > Certificates.

🔚 Console1 - [Console Root\Certificates (Local Co	omputer)\Trusted Root Certification Author	rities\Certificates]	-	
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✓ ☐ Certificates (Local Computer)	Issued To	Issued By	Actions	
Personal     Certificator	(STAGING) Doctored Durian Ro	(STAGING) Doctored I	Certificates	<b></b>
<ul> <li>Certificates</li> <li>Trusted Root Certification Authorities</li> <li>Certificates</li> <li>Enterprise Trust</li> <li>Intermediate Certification Authorities</li> <li>Trusted Publishers</li> <li>Untrusted Certificates</li> <li>Third-Party Root Certification Authoritie</li> <li>Trusted People</li> <li>Client Authentication Issuers</li> <li>Preview Build Roots</li> </ul>	AAA Certificate Services  Actalis Authentication Root CA  AddTrust External CA Root  AffirmTrust Commercial  Anuvu  Atos TrustedRoot 2011  Baltimore CyberTrust Root  Buypass Class 2 Root CA  Certigna  C	AAA Certificate Servic Actalis Authentication AddTrust External CA AffirmTrust Commers Anuvu Anuvu Atos TrustedRoot 201 Baltimore CyberTrust Buypass Class 2 Root Certigna	More Actions	•
			,	

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<u>N</u>ext

Cancel

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Right click on Certificate	s and select All	lasks > Import	and click Next

Welcome to the Certifica	te Import Wizard
This wizard helps you copy certificates, lists from your disk to a certificate store	certificate trust lists, and certificate revocation e.
A certificate, which is issued by a certif and contains information used to prote connections. A certificate store is the s	ication authority, is a confirmation of your identity ct data or to establish secure network ystem area where certificates are kept.
Store Location	
O <u>C</u> urrent User	
Local Machine	
To continue, click Next.	
To continue, click Next.	

Click Browse. Select the .cer, .crt, or .pfx you would like to import. Click Open.

Specify the f	ile you want to import.		
<u>F</u> ile name:			
Ι			Browse
Note: More 1	than one certificate can be	e stored in a single file in	n the following formats
Personal I	Information Exchange- PK	CS #12 (.PFX,.P12)	
Cryptogra	aphic Message Syntax Sta	ndard-PKCS #7 Certific	ates (.P7B)
Microsoft	Serialized Certificate Store	≘ (.SST)	

Click Next. Select Automatically select the certificate store based on the type of certificate. Click Finish & OK

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