Adding the Informatik Root Certificate to the Windows Certificate Store

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To set up a secure SSTP-VPN connection, the Informatik root certificate is explicitly required on the (private) computer requesting the connection, because the Informatik VPN server checks the logon information of the users against the Informatik Active Directory domain and assigns special access rights at the user/group level. Therefore a closed authentication process is mandatory. For the VPN server, the automatically installed root certificates from "Deutsche Telekom Root CA 2" (used by "DFN-Verein" certificates which are the default for other servers in the Universität Hamburg network) are not sufficient.

The VPN-Server (fbivpn.informatik.uni-hamburg.de) will present his InformatikDomain Certificate to your Windows computer. To get this verified by your computer please follow these steps:

1. Download and save the "Informatik Root-Certificate" from our web-page <u>https://www.inf.uni-hamburg.de/en/inst/irz/it-services/private-devices/vpn-clients.html</u>

The Microsoft-proprietary "Secure Socket Tunneling Protocol (SSTP)" is also available. The IRZ recommends they usage of SSTP connections for Windows clients. This enables an increased level of security, as well as unobstructed access from every location because only the default HTTP/HTTPS ports are used. But **since 2018** the Informatik-Domain Root certificate has to be manually installed inside the **computer**-certificate-store below the "Trusted Root Certification Authorities" branch:

Informatik Root-Certificate

The VPN servers address is:

fbivpn.informatik.uni-hamburg.de

For detailed tutorials on the configuration of VPN access please choose the desired VPN client from the selection on the right-hand side.

2. Locate the saved certificate and "right-click" on it:



Select "Install Certificate" from the menu.

3. Confirm the security question:



4. The import wizard will appear. Please check that "Current User" is selected and confirm with "Next":

¢	– 🛿 🐉 Certificate Import Wizard	×
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	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.	
	Store Location © Current User O Local Machine	
	To continue, dick Next.	
r	2.)	
	Next Cance	I.

5. On the next wizard screen change the predefined selection to "Place all certificates in the following store:" (1.), then click on "Browse..." (2.) and select "Trusted Root Certification Authorities" (3.) as target store location:

🐓 Certifica	te Import Wizard	
Certificate : Certific	Store State stores are system areas where certificates are kept.	
Windo the cer	vs can automatically select a certificate store, or you can specify a location for tificate.	
0	Automatically select the certificate store based on the type of certificate	
1.) 💿	Place all certificates in the following store	
	Certificate store:	
	Select Certificate Store X	
	Select the certificate store you want to use.	
	Personal	
	3.) Trusted Root Certification Authorities	
	Enterprise Trust Intermediate Certification Authorities	
	Trusted Publishers	
	Intrusted Certificates ×	
	Show physical stores	ncel

6. Press "OK", the next wizard screen should look like this:

←	🐖 Certificate Import Wizard	×
	Certificate Store	
	Certificate stores are system areas where certificates are kept.	
	Windows can automatically select a certificate store, or you can specify a location for the certificate.	
	Automatically select the certificate store based on the type of certificate	
	Place all certificates in the following store	
	Certificate store:	
	Trusted Root Certification Authorities Browse	
	Next Canc	el

If "Trusted Root Certification Authorities" is correctly selected press "Next".

7. Once again you are asked for a confirmation, please select "Finish":

Comple	ting the Cer	tificate Imp	ort Wizard	
The certifica	ite will be imported	after you dick Finis	h.	
You have sp	ecified the followin	g settings:		
Certificate Content	Store Selected by	User Trusted Roo Certificate	t Certification Auth	norities

8. Now a confirmation of successful install should appear:

Certificate Import Wizard	×
The import was successful.	
ок	
Select "OK".	

9. IMPORTANT: You have to repeat the previous steps to save the root certificate in the "Local Machine" certificate store too !

Locate the saved certificate and "right-click" on it once again:



10. Change the selection to "Local Machine" (1.) and select "Next" (2.):

÷ 🚦	Certificate Import Wizard	×
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	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.	
	Store Location	
1.)	Current Oser Oser Local Machine	
	To continue, click Next.	
	2.) Cance	el

11. Repeat steps 5. to 8. (selecting "Trusted Root Certification Authorities" as certificate store again).

Now the secure SSTP protocol should work correctly between your computer and the VPN-server "fbivpn.informatik.uni-hamburg.de".