## Setting up an Informatik VPN connection with Windows 10

On Windows 10, open the "Network" icon (possibly hidden under the "Arrow Up" icon as shown in this sample image):



You definitely need an active Internet connection for a VPN connection, soyou need to activate your Wi-Fi network if your computer has not already connected to the Internet via Ethernet cable connection:

	UHH Open
	eduroam Secured
	GUEST Secured
Wi-Fi Turned off	INFFUL Secured
Turn Wi-Fi back on Manually	UHH-SC Secured
Network & Internet settings Change settings, such as making a connection metered.	Network & Internet settings
Image: marked bit of the second s	Change settings, such as making a connection metered.
۶ <sup>۹</sup> へ ⊕ 🛎 DEU 09:11 20/09/2019 <b>र</b> ी	Wi-Fi Airplane mode hotspot

At the Informatics or university campus, a WiFi connection to the open "UHH" Wi-Fi network is sufficient to establish the VPN connection. **Attention:** When connected to the "UHH" network, a web information page of the university's Regionales Rechenzentrum (which operates the WLAN infrastructure of the entire university) may be opened automatically, which describes a procedure for VPN via a CISCO VPN client. *This does not apply to the Informatics VPN* server which is a Windows server system that does not require **an** extra VPN client!

After an underlying network connection has been established, please open the *Network and Sharing Center (Network & Internet Settings):* 



When connected via the "UHH" WLAN, you receive a warning in the status that no Internet access is available, but in this (special) case this is sufficient for the VPN connection; it is only important that your computer displays a network connection at all.

Now select the "VPN" menu:

ය Home	Status
Find a setting	Network status
Network & Internet	
Status	UHH Public network
// Wi-Fi	No Internet access
음 Dial-up	Your device is connected and can access other devices on your local network, but may not be able to reach the Internet.
* VPN	If you have a limited data plan, you can make this network a metered connection or change other properties.
Airplane mode	▲ Troubleshoot

## Select "Add VPN Connection":

Settings	
命 Home	VPN
Find a setting	VPN
Network & Internet	+ Add a VPN connection
Status	-
// Wi-Fi	Advanced Options

The following basic data has to be entered:

- 1.) VPN provider: always "Windows (integrated)" on a Windows machine
- 2.) Connection name: freely selectable name for this VPN configuration, useful e.g. "*INFORMATIK VPN*"
- 3.) Server name or IP address: "*fbivpn.informatik.uni-hamburg.de*" (the official DNS name of the server)
- 4.) VPN type: As default setting you can leave "Automatic" here (see final remarks on the preferred SSTP protocol)
- 5.) Credential Type: "UserName and Password"

Settings			-
	Add a VPN connection		
	VPN provider		
	Windows (built-in) V		
	Connection name		
	Informatik-VPN		
	Saniar nama or addrase		
	fbivpn.informatik.uni-hamburg.de		
	VPN type Automatic		
	Type of sign-in info		
	User name and password V		
	User name (optional)		
		Enun Concol	
		Save	
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In addition, your *Informatik* user name and password can already be entered here.

In this case, please make sure to precede the user name with the domain "INFORMATIK", e.g. "INFORMATIK\Ouser" in order to be able to use computer services via the VPN connection that require internal authentication, such as the print service:

Settings		- σ	×
	Add a VPN connection		
	Server name or address		
	fbivpn.informatik.uni-hamburg.de		
	VPN type		
	Automatic		
	Tvæ of sign-in info		
	User name and password V		
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	informatikar meldename		
	Password (ontional)		
	Remember my sign-in info		
	Sun Count		
	Save Cance		
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After "save" the settings, you will now see the VPN connection under your defined name and can use it:

Settings	
命 Home	VPN
Find a setting	VPN
Network & Internet	+ Add a VPN connection
Status	Informatik-VPN
<i>候</i> 。Wi-Fi	
음 Dial-up	Connect Advanced options Remove

If you did not store your Informatik credentials during the previous configuration step you will be asked for login information when you are trying to connect. **Please keep in mind to add the "INFORMATIK\" prefix** in your username:

Networ	rk & Internet	+ Add a	a VPN connection		
🖨 Sta	atus		Windows Security		×
<i>ii</i> Wi	i-Fi		Sign in		~
n Dia	al-up		informatik\3buennem		
% VP	'n		•••••	୕	
r∱≻ Air	rplane mode	Advance	ОК	Cancel	
(ip) Mo	obile hotspot	Allow VPN			

Finally you should get a "connected" state shown after a succesful identification step and you will be able to get access to your Informatik-data (home folder):

Setungs	
ல் Home	VPN
Find a setting	VPN
Network & Internet	+ Add a VPN connection
Status	
<i>(ii</i> , Wi-Fi	Connected
ଳ Dial-up	Advanced options Disconnect

## Note:

The VPN type setting "automatic" tries some protocols in descending security architecture:

- 1.) IKEv2 with certificate
- 2.) SSTP (equivalent to SSL VPN)
- 3.) L2TP/IPSec
- 4.) PPTP

With the exception of SSTP, all protocols require additional IP protocols in addition to the usual UDP/TCP connections, which are not necessarily supported by the on-site providers.

For this reason we recommend using the SSTP protocol, which requires the explicit installation of the Informatik root certificate on your computer. The necessary steps can be found in the separately available manual "Add the Informatik root certificate to Windows":

https://www.inf.uni-hamburg.de/en/inst/irz/it-services/private-devices/vpn-clients/add-informatikroot-certificate-to-windows.pdf