## Remote access to the network of the Rectorate of the Charles University using VPN (PPTP)

For remote access to the network of the Rectorate of the Charles University – and especially to the services provided within the UVTUK domain – one can use a connection to a virtual private network (VPN). This is achieved using PPTP protocol with MPPE security (RC4 with 128 bit key), the address is **vpn.ruk.cuni.cz**. Users are verified at the RADIUS server in the UVTUK domain and only employees of the Rectorate of the Charles University with account in the UVTUK domain are permitted to avail themselves of this possibility.

## Setting up a VPN connection

The following instructions are designed for Windows 2000 and XP operation systems. In other systems, the procedure is similar.

In network settings chose the option of setting up a new connection.

New Connection Wizard	
	Welcome to the New Connection Wizard This wizard helps you: • Connect to the Internet. • Connect to a private network, such as your workplace network.
	To continue, click Next.
	< <u>B</u> ack <u>Next&gt;</u> Cancel

Select option 2.

<b>letw</b> e W	ork Connection Type /hat do you want to do?
c	Connect to the Internet
	Connect to the Internet so you can browse the Web and read email.
(•	Connect to the network at my workplace
	Connect to a business network (using dial-up or VPN) so you can work from home, a field office, or another location.
C	Set up an advanced connection
	Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.

Connection Wizard	
Network Connection How do you want to connect to the netwo	ork at your workplace?
Create the following connection:	
C Dial-up connection	
Connect using a modem and a regular Network (ISDN) phone line.	phone line or an Integrated Services Digital
• Virtual Private Network connect	ion
Connect to the network using a virtual Internet.	private network (VPN) connection over the
	< <u>B</u> ack <u>N</u> ext > Cancel

Create a name for the connection, e.g., 'Rectorate VPN'.

V Connection Wizard	
Connection Name Specify a name for this connection to	your workplace.
Type a name for this connection in the I	following box.
Company N <u>a</u> me	
RUK VPN	
For example, you could type the name of will connect to.	of your workplace or the name of a server you
For example, you could type the name of will connect to.	of your workplace or the name of a server you

If, prior to connecting to the VPN, you wish to connect to the internet using dial-up connection, select the second option and specify the connection as needed. Otherwise, choose the first option.

ew Connect	tion Wizard		
Public N Wind	<b>letwork</b> dows can make sure the public network is connected fir	rst.	I)
Windo netwo	lows can automatically dial the initial connection to the ork, before establishing the virtual connection.	Internet or other publi	c
œ	Do not dial the initial connection.		
C	Automatically dial this initial connection:		
			T.
	< <u>B</u> ack	<u>N</u> ext >	Cancel
		as	

Type in the address of VPN server/firewall – **vpn.ruk.cuni.cz**.

ew Connection Wizard		
VPN Server Selection What is the name or address of the VPN	server?	Ŋ
Type the host name or Internet Protocol ( connecting.	IP) address of the computer	to which you are
Host name or IP address (for example, mi	crosoft.com or 157.54.0.1 ):	
vpn.ruk.cuni.cz		
	< Back Nex	t> Cancel

If you want this connection (its settings) to be available to all users of your computer, select the first option.

New Connection Wizard	
<b>Connection Availability</b> You can make the new connection available to any user or only to yourself.	I)
A connection that is created for your use only is saved in your user account and is not available unless you are logged on.	
Create this connection for:	
O Anyone's use	
My use only	
< <u>B</u> ack <u>N</u> ext > Car	cel

If you wish to add a shortcut for the connection you have just created to your desktop, check the relevant box and press 'Finish'.

New Connection Wizard	
	Completing the New Connection Wizard You have successfully completed the steps needed to create the following connection: RUK VPN
	The connection will be saved in the Network Connections folder. Implied to this connection to my desktop To create the connection and close this wizard, click Finish.
	< <u>B</u> ack Finish Cancel

Press the 'Properties' button.

Connect RUK VPN		<u>?×</u>
User name:		
Save this user n     Me only     O Anyone who	ame and password for the f	ollowing users:
Connect	Cancel Properties	<u>H</u> elp

Select TCP/IP protocol and press 'Properties'

General Options Security Netv	working Advanced
Type of VPN:	
Automatic	-
	<u>S</u> ettings
This connection uses the following	a items:
✓ → Internet Protocol (ICP/IP)	
QoS Packet Scheduler	
Second Brinter Sharing for	r Microsoft Networks
Client for Microsoft Network	rks
Client for Microsoft Network	iks
Client for Microsoft Networ	stall Properties
Client for Microsoft Networ	stall
Client for Microsoft Network	stall Properties
Client for Microsoft Networ	stall Properties
Client for Microsoft Network	stall Properties
Client for Microsoft Network	stall Properties
Client for Microsoft Network	stall Properties
Client for Microsoft Network	stall Properties  nternet Protocol. The default t provides communication hetworks.

For further settings, press 'Properties'.

ernet Protocol (TCP/IP) Pro	operties ?
ieneral	
You can get IP settings assigne supports this capability. Otherwi administrator for the appropriate	ed automatically if your network ise, you need to ask your network e IP settings.
Obtain an IP address auto	omatically
$\square^{O}$ Use the following IP address	ess:
[P address:	
Ereferred DNS server:	
Alternate DNS server:	
	Ádvanced
	<u> </u>

In the field for DNS server address, type in uvtuk.cuni.cz.

	/IP Settings	? >
General DNS	5 WINS	
D <u>N</u> S server a	addresses, in order of use:	
8		t
		Ŧ
	Add Edit Re	moye
The following	three settings are applied to all connections w	with TCP/IP
enabled. For	resolution of unqualified names:	
Append j	primary and connection specific DNS suffixes	
Anne Anne	and parent suffixes of the primary DNS suffix	
10 HPPS	and barene sources of the burnary prival source	
C Append t	hese DNS suffixes (in order):	
C Append t	hese DNS suffixes (in order):	t
C Append t	hese DNS suffixes (in order):	t
C Append t	hese DNS suffixes (in order):	t
C Append t	hese DNS suffixes (in order):           Add         Edit         Rej	t t
C Append t	hese DNS suffixes (in order):	move
C Append t	hese DNS suffixes (in order):          Add       Edit       Reg         or this connection:       uvtuk.cuni.cz	nove
C Append t	hese DNS suffixes (in order):          Add       Edit       Re         or this connection:       uvtuk.cuni.cz         this connection's addresses in DNS	move
C Append t	Add Edit Reparent sources of the primary DNS sources Add Edit Rep or this connection: wytuk.cuni.cz this connection's addresses in DNS connection's DNS suffix in DNS registration	t T
C Append t DNS suffix fo	Add Edit Re Add Edit Re or this connection: Uvtuk.cuni.cz this connection's addresses in DNS connection's DNS suffix in DNS registration	move
C Append t	Add Edit Reparent sources of the primary DNS sources Add Edit Rep or this connection: Uvtuk.cuni.cz this connection's addresses in DNS connection's DNS suffix in DNS registration OK	move Cancel

Ladislav Fikais (fikais@cuni.cz)