# Access to VPN (virtual private network) concentrator of UBS

VPN Concentrator is a device that allows a remote computer to connect with an encrypted tunnel and allocate and rout an IP address from the range of IP addresses from the university address range. This connected remote computer appears on the Internet under the IP address of the university. Traffic to this address is forwarded by the created tunnel to its true remote address.

Obtaining an account - An employee or student can get the account (name and freeradius password) by setting it in the user <u>IDM</u>.

Follow the instructions below if you do not know your password or username to IDM:

#### Password for first sign-in to IDM

The password is made up of the second letter of your first name (without diacritics), the second letter of your last name (without diacritics), and the last six digits of your birth number, the first letter in the password is capital.

#### Example:

First name: Sarah Last name: Nováková, birth number: 123456/7890, Password: Ao567890.

#### **Recommendation:**

Change your initially assigned password immediately to new one to increase security when accessing applications requiring your IDM credentials (e.g. IS STAG, Odysea, Moodle, etc.) This can only be done in IDM at <a href="https://idm.jcu.cz">https://idm.jcu.cz</a> and only from the UBS internal network. Remember the new password and change it immediately if there is any concern that someone has exploit it!

#### I do not know the password and username!

You will find the username in the "<u>Username (IDM login) and personal number search</u>". The password for the first login explained above. If you fail, contact the Security Administrator.

Use the IDM recovery password if you have already changed the password in the IDM portal and set your answers to the control questions. If you have failed to sign in, contact your <u>IDM administrator</u>. You have to provide an ID card and a valid UBS ID to renew your password!

You have to log in to your IDM database under your user ID and choose "CHANGE FREEDADIUS PASSWORD" to create a VPN account. The system asks you to enter the password you choose. The valid FreeRADIUS password contains at least 1 uppercase letters, at least 1 lowercase letters and at least 1 number.

Once you successfully enter your password, you have an active VPN account. This account is shaped: username@jcu.cz, where username is your IDM username and @jcu.cz identificates the organization of South Bohemian University. The form of the name behind @ is always jcu.cz, regardless of what faculty or institution you are.

Prerequisites for using SSL VPN – The SSL VPN of the concentrator is ssl-access.jcu.cz. The client computer that connects must have a functioning Internet connection, has to be connected and its firewall has to be able to leak a 443 / TCP port on which the concentrator VPN service is running. You must have an account consisting of a name and a password (as mentioned above).

#### Set up the VPN connection in Windows 8 Petr Šimek APS JU

The SSL VPN of the concentrator is <u>https://ssl-access.jcu.cz</u>. The client computer that connects must have a functioning Internet connection, has to be connected and its firewall has to be able to leak a 443 / TCP port on which the concentrator VPN service is running. You must have an account consisting of a name and a password (as mentioned above).

# 1. Open a web browser and <u>https://ssl-access.jcu.cz</u>. Log on to the SSL VPN Portal with your username and password (freeradius password in IDM):



# 2. Use the link to download the FortiGate client to your computer in the section Tunnel Mode:

Welcome to SSL VPN Service +			×
A https://ssl-access.jcu.cz/sslvpn/portal.html	▽ C 🖁 マ Google 👂 🏠 📋 🖡	Â	≡
Welcome to SSL VPN Service	Help	📑 L	ogout
Session Information	Connection Tool		
Time Logged In:       simek@jcu.cz (0 hour(s), 0 minute(s), 0 second(s))         HTTP Inbound/Outbound Traffic:       0 bytes / 0 bytes         HTTPS Inbound/Outbound Traffic:       0 bytes / 0 bytes	Type: HTTP/HTTPS v Host: Go		
Bookmarks Add Edit	Tunnel Mode         You need to have administrator rights to perform the first time installation.         Once it is installed, it runs under normal user privileges and can be upgraded to newer versions without administrator privileges.         Click here to download and install the plugin. After the installation, please restart your browser.	<b>^</b>	
https://ssl-access.jcu.cz/SslvpnClient.exe	<u>N</u> astavit odesí	aná data	a x



#### 3. Install FortiGate client:

Otevřít soubor – upozornění zabezpečení 🛛 🗴	# FortiClient SSLVPN Installer	× 🛃 FortiClient SSLVPN Installer	×
Chcete tento soubor spustit?  Název: C-\Users\petrsi\Downloads\SslvpnClient.exe Vvdavatel: Fortinet Technologies	(C) 2004 - 2014 Fortinet Inc. All rights reserved.	(C) 2004 - 2014 Fortinet Inc. All rights reserved.	
Typ: Aplikace Od: C:\Users\petrsi\Downloads\SslvpnClient.exe Spusjit Storno	This installer will install FortiClient SSLVPN Software. Please close all web browsers before starting install. Click: "Run as administrator" to continue.	This installer will install FortiClient SSLVPN Software. Please close all web browsers before starting install. Elicitic Install to continue.	
Preg otevřením tohoto souboru se vždy dotázat			
Přestože software stažený z Internetu může být užitečný, soubor tohoto typu může poškodit počítač. Spouštějte software pouze od důvěryhodných vydavatelů. <u>Jaké je riziko?</u>	Run as administrator	stal	nstal <u>C</u> lose

#### 4. Run FortiClient:

FortiClient SSLVPN ×
Connection Name:
Server Address:
Username:
Password:
Client Certificate:
Connection
Status: Disconnected Bytes Sent: 0
Duration: 00:00:00 Bytes Received: 0
Settings <u>Connect</u> <u>Disconnect</u> <u>Exit</u>

# 5. Choose Settings and New Connection, configure the SSL VPN connection with the parameters below:

Connection Name:	JCU SSL VPN	any symbolic name of VPN connection
Server Name:	ssl-access.jcu.cz:443	address of the server
Username:	username@jcu.cz	IDM username
Password:	password	freeradius IDM password

FortiClient SSLVPN Settings	×
Global Settings Keep connection alive until manually stopped	
Connections	
Connection Name Description	New Connection
	Edit
	Delete
< >	
Settings of selected connection	
Connection Name:	
Description:	New Connection Settings
Server Address:	- Connection Settinas
Do not warn about server certificate valida	Connection Name: JCU SSL VPN
User Name:	Description:
Password:	Server Address: ssl-access.jcu.cz:443
Client Certificate:	Do not warn about server certificate validation failure
	User Name: username@jcu.cz
OK	Password:
	Client Certificate:
	OK Cancel

6. You have a configured connection. Try to connect (and disconnect):

0	FortiClient SSLVPN	- 🗆 🗙	FortiClient SSLVPN ×
Connection Name:	JCU SSL VPN	<b>•</b>	Connection Name: JCU SSL VPN 📃
Server Address:	ssl-access.jcu.cz:443		Server Address: ssl-access.jcu.cz:443
Username:	username@jcu.cz		Username: username@jcu.cz
Password:	*****		Password:
Client Certificate:		•	Client Certificate:
Connection	·		Connection
Status: Disconn	nected Bytes Sent:	0	Status: Connected Bytes Sent: 9,459
Duration: 00:	00:00 Bytes Received:	0	Duration: 00:00:04 Bytes Received: 19,049
Settings	<b><u>C</u>onnect</b> <u>D</u> isconnect	<u>E</u> xit	Settings <u>Connect</u> <u>Disconnect</u> <u>Exit</u>

### Set up the VPN connection in Windows 8.1 and Windows 10 Petr Šimek APS JU

The SSL VPN of the concentrator is <u>https://ssl-access.jcu.cz</u>. The client computer that connects must have a functioning Internet connection, has to be connected and its firewall has to be able to leak a 443 / TCP port on which the concentrator VPN service is running. You must have an account consisting of a name and a password (as mentioned above).

### 1. Download FortiClient to your PC and install: <u>FortiClientMiniSetup-Windows-Enterprise-</u> <u>5.4.0</u>.

Sdílení	í Zobrazení Správa	
🕳 > disk	k_D (D:)	ٽ ~
tun	Název	Datum změny
.up	FortiClientMiniSetup-Windows-Enterprise-5.4.0	16.02.2017 10:52
oubory 🖈		





3. Choose "Configure VPN":

El FortiClient File Help		-	×
FortiClient C	Console		9
Compliance Not Participating			
Remote Access			
	Conform 1001		
<b>e</b>			

4. Select SSL-VPN tab, enter "Connection Name" and "Remote Gateway" as shown below. We will also fill in your username with the extension @jcu.cz. Apply and Close:

FortiClient	- 0	Х
<u>F</u> ile <u>H</u> elp		
💂 New VPN 🛛 🕨	New VPN Connection	
	SSL-VPN IPsec VPN	^
	Connection Name	
	JCU SSL VPN	
	Description	
	Remote Gateway	
	ssl-access.jcu.cz Customize port 443	
	Authentication	
	O Prompt on login  Save login	
	Username	
	username@jcu.cz	
	Client Certificate	
	Do not Warn Invalid Server Certificate	~
+ -	Apply Close	

5. Run Forticlient on the toolbar again (Connect "JCU SSL VPN") and fill in your password (freeradius IDM password). Tick the password reminder if you want:

Authentication Information	× 13	Authentication Information	
FortiClient		FortiClient VPN Connection: JCU SSL VPN	
💄 username@jcu.cz		🌲 usemame@jcu.cz	
Pasaword		۹	
Save Password		Save Password	
Connect		Connect	

6. Connect:



#### 7. Press the Disconnect button to end the connection:



Note: The above-mentioned client may also install other software (antivirus, etc.) from the network. Here are <u>offline SSL VPN clients installing files</u> that do not download anything from the Internet.

## Mobile device with Android – download FortiClient App. in Google play Mobile device with iOS - download FortiClient App in App Store

### Do you still have a problem with connection?

Verify that you have successfully created your access account if the connecting problems persist. Follow the <u>check form</u>. Enter your username (@jcu.cz included) and password and check it. The form uses the entered data for the test login on the radius server and reports the result. If attempting to log in will result in an error, try resetting the freeradius password setting in IDM.

If you managed to set a radius password in the IDM database and configure your notebook according to the instructions above and still cannot connect to the VPN concentrator, contact Petr Simek at simek@jcu.cz:

Subject: "Trouble with VPN concentrator setting". Send the username of your access account and the freeradius password that you have set in IDM (or at least part of the password). This information helps check whether the account was really created and whether the password you provide is correct.

Send also the date and approximate time you attempted to connect to VPN. We will try to find the reason why the login attempt was unsuccessful.

These data are important to determine why connection cannot be made. Please collect all data mentioned above before you contact helpdesk!