Installation guide Wired Network with 802.1x authentication

First make sure that you downloaded the zipped PEM file, available at <u>https://lab.sdu.dk</u> and unzip and store this file locally at your user profile. (for example: your documents folder)

Open the settings panel, in the upper right corner of your screen and click on Wired Connected.

Click on Wired Settings (see 2.png)



2.png

Q Settings =	Network –	×
🛜 Wi-Fi		
🚯 Network	Wired +	
🛿 Bluetooth	Connected - 100 Mb/s	
📮 Background	VPN	
Appearance	Not set up	
Q Notifications		\
Q Search	Network Proxy Off	
Multitasking		
III Applications		
🔒 Privacy >		
 Online Accounts 		
∝° Sharing		
♫ Sound		
• Power		
Displays		
🖒 Mouse & Touchpad		
📼 Keyboard		

Click on the cog wheel to show your current settings.

You will now see that your IP address is starting with something like: 10.115.....

- This is called Fallback network SDU and is only in use for guest access at SDU.
- So, we need to change this to Office network at SDU... (see picture 4.png)

Cancel]		Wi	red	Apply
Details	Identity	IPv4	ІРvб	Security	
10	Link speed	100 Mb/s	100		
IP\	v6 Address	fe80::f6ae:	8a0a:77	31:88e9	
Hardwa	re Address	E8:FC:AF:C	7:B0:86		
Def	ault Route	10.115.130	.1		
	DNS	10.220.2.24	1		
🗹 Conr	nect automa	tically			
🔽 Mak	e available t	o other user	s		
Mete Softw	ered connec vare updates an	tion: has da nd other large	ta limits download	or can incur charge s will not be started aut	s :omatically.
				Remove	Connection Profile

Go in the top of the window to Security. (see 5.png)



Click now at CA certificate to select your SDU certificate to authenticate against 802.1x

Choose SDURadiusCA.pem file stored locally at your computer.

(see 7.png)

Cancel	Choose a Certificate Authority certificate	Q	Open
🕚 Recent	Greik Documents		
🔐 Home	Name v Size	Туре	Modified
Documents	SDURadiusCA.pem 2.1 kB	Text	17 May 2023
⊕ Downloads			
🎵 Music			
Pictures			
🖽 Videos			
LABINST ▲			
+ Other Locations			

You now selected the certificate. (see 8.png)

Cancel	Wired				Apply
Details	Identity	IPv4	IPv6	Security	
		802.	1x Security		
		Auth	nenticatior	Protected EAP (PEAP)	~
		Anonymo	us identity		
	CA certificate 📄 SDURadiusCA.pem				ē
				No CA certificate is required	
		PE	AP versior	Automatic	~
		Inner auth	nentication	MSCHAPv2	~
			Username	2	
			Password		Э́с
				Show password	

Cancel			Wi	red	Apply
Details	Identity	IPv4	IРvб	Security	
		802.	1x Security		
		Auth	entication	Protected EAP (PEAP)	~
		Anonymo	us identity		
		CA	certificate	SDURadiusCA.pem	ē
				No CA certificate is required	
		PE	AP version	Automatic	~
		Inner auth	entication	MSCHAPv2	~
			Username	example@imada.sdu.dk	
			Password		à
				Show password	

Choose your SDU email address and SDU password. (see 9.png)

• Important !!!! make sure that you only store your password for your local user account. (see 10.png below)



• You can change the value (see 11.png) to only your user profile (see 11.png)



• Double check your password by selecting the tick box in the bottom of your screen and click Apply in the upper right corner (in green) d (see 12.png)



• Disconnect your connection, to apply the new settings for 802.1x profile. (see 13.png)

•

Q Settings ≡	Network – 🗆	×
후 Wi-Fi		
🕥 Network	Wired +	
🕴 Bluetooth	100 Mb/s	
🙄 Background	VPN +	
Appearance	Not set up	
. Notifications		
Q Search	Network Proxy Off	
🕒 Multitasking		
III Applications		
🔂 Privacy		
 Online Accounts 		
∝°₀ Sharing		
♫ Sound		
• Power		
📡 Displays		
🖒 Mouse & Touchpad		
📼 Keyboard		



• Turn back on your wired connection (see 14.png)

Q Settings =	rou can paste the image from the tupooard.	- • ×
ङ় Wi-Fi		
🚱 Network	Wired	+
Bluetooth	Connecting - 100 Mb/s	
🖫 Background	VPN	
Appearance	Not set up	
. Notifications		
Q Search	Network Proxy	Off
🕒 Multitasking		
III Applications		
🔂 Privacy		
 Online Accounts 		
\propto_{o}° Sharing		
♫ Sound		
• Power		
🔄 Displays		
🖒 Mouse & Touchpad		
📼 Keyboard		



- Click once more at the cog wheel to double check your settings for your wired connection. (see 14.png)
- In the last picutere (15.png) you see your new IP address that you will use from now on to connect to our SDU (internal) network.

So, the difference between 10.115... network and 10.85....(not authenticated and authenticated network) is that you either have or have not access to internal resources at SDU.

Cancel			w	ired		Apply
Details	Identity	IPv4	IPv6	Security		
Lin IPv4 A IPv6 A	k speed Address Address	100 Mb/s 10.85.12.17 fe80::f6ae:8	3a0a:773 [°]	1:88e9		
Hardware A	Address	E8:FC:AF:C7	7:B0:86	1.0009		
Defau	lt Route	10.85.12.1				
	DNS	10.220.2.5				
✓ Connect automatically						
✓ Make available to other users						
Software	d connec updates a	tion: has dat nd other large	a limits c downloads	or can incur cha will not be started	rges I automatically.	
				F	emove Connecti	ion Profile