



Vrije Universiteit Brussel



VUBnet,

The network of the Vrije Universiteit Brussel

## VUBnext Wireless configuration

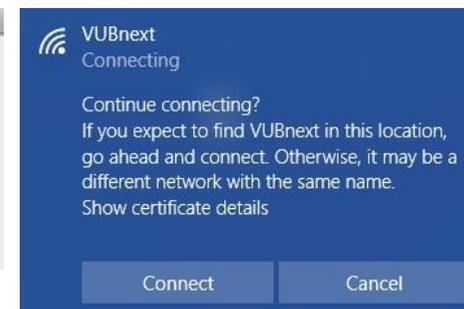
Latest Update 8/12/2016

## Initial Troubleshooting and General Information

- Try to make the **initial connection as close as possible to an access point**. This way you avoid authentication timeouts. As soon as your password is saved, this is no longer an issue.
- If your **login fails repeatedly**, your password may not be correctly stored in the wireless database. Go to <http://helpdesk.vub.ac.be/> then choose Personal Account Manager from the left-side menu and change your password. You can use the same as before if it still complies with the latest rules for password complexity.
- In some cases a **driver update** of your wireless network card is needed to fully support the WPA2 encryption we use.

During the initial connection, you will be presented with a certificate that is signed by a trusted certification authority but cannot be validated as you have no internet connection yet. You need to accept this once. Depending on which network you are connecting to, the certificate presented could be either “[secure-login.vub.ac.be](http://secure-login.vub.ac.be)” or “[eduroam.ulb.ac.be](http://eduroam.ulb.ac.be)”.

Depending on your Operating System it could be presented in any of the following visual styles. More on this further in the documentation.



## Step by Step configuration in Windows 7

Previous versions of Windows should be similar. Your computer might have specific wireless management software. In that case you'll have an extra or a different Wi-Fi icon. For the [Intel PROSet Utility](#) we have a walkthrough further in this document.



Click the [Network Connections](#) icon in your icon tray. Double-click [VUBnext](#) or [Eduroam](#) to connect to the desired wireless network.

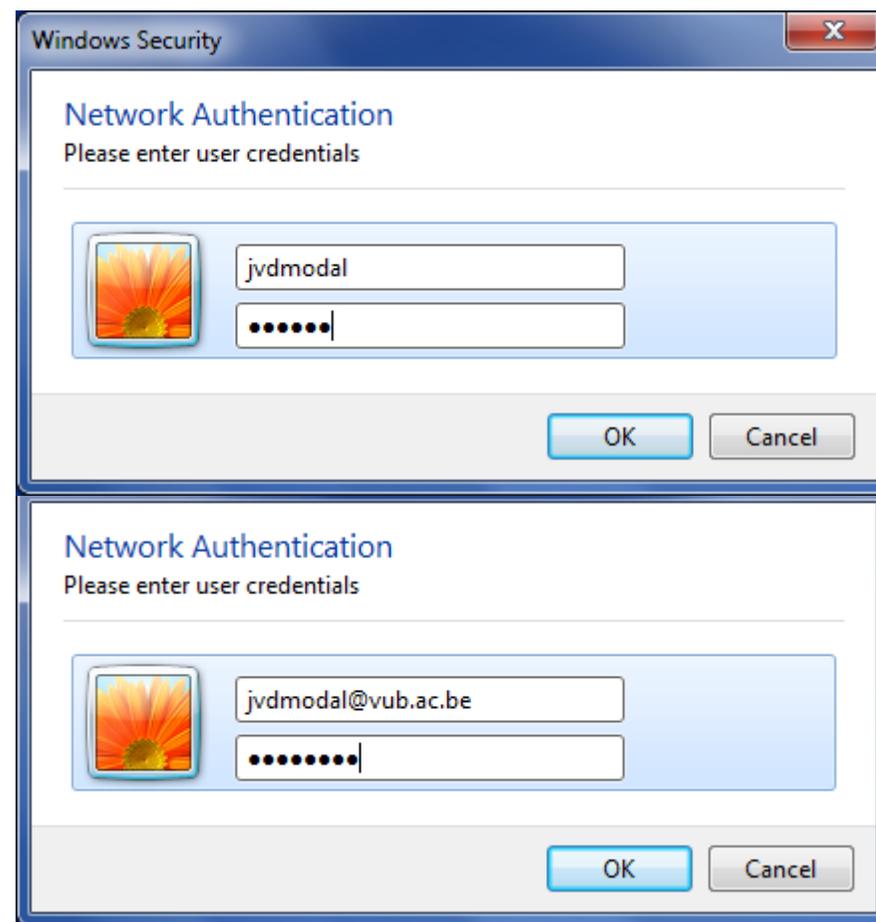


At this point, you will get a [Network Authentication](#) window.

For VUBnext, enter your [NetID](#) and [password](#).

For Eduroam enter your [NetID@domain](#) and [password](#).

Assuming Jan Van de Modale is a VUB-student with NetID "jvdmodal", the images to the right show how to log in.



The first time you connect to these, you will get a security warning you that the Credentials provided by the server could not be validated. Click on the arrow to see more Details.

The Certificate should be about Radius Server [secure-login.vub.ac.be](https://secure-login.vub.ac.be) for VUBnext or [eduroam.ulb.ac.be](https://eduroam.ulb.ac.be) for Eduroam.



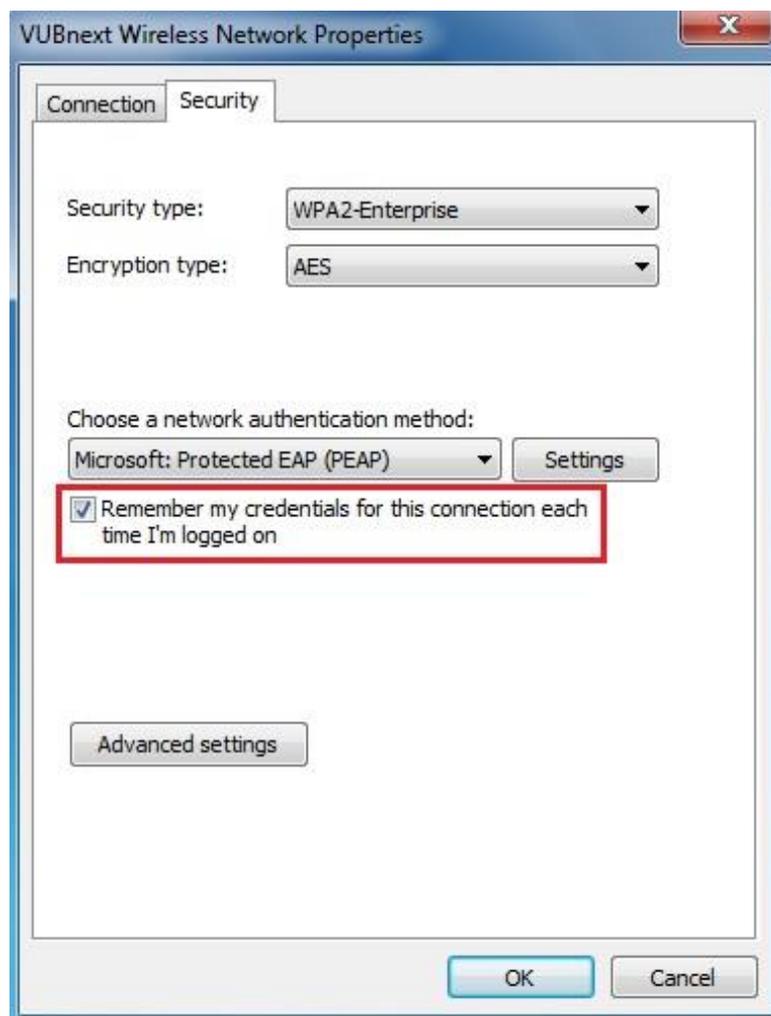
Click on **Connect**.

You are now connected to the wireless network. By default Windows will remember this login permanently. If this is not desirable, we will explain in the next steps how to force Windows to ask for your credentials at every connection.



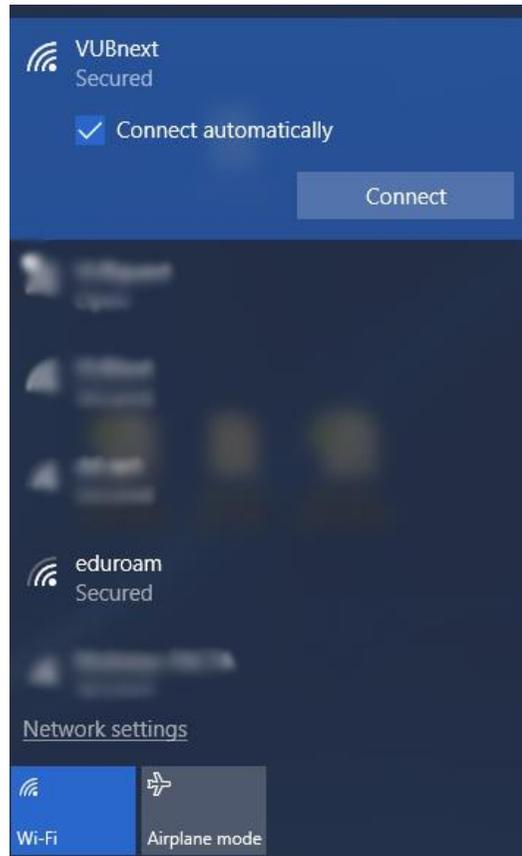
But before you can do this, you will typically get a pop-up window asking to set your Network Location. The default is Public and that is perfect in most cases. If you want access to network places like your Z drive, you need to select Work Network.

If you want to disable automatic login, or you don't want Windows to remember your login and password, for instance because you're logging in on a guest's computer, click the Network Connections icon as before, then right-click VUBnext (or Eduroam) and select **Properties**. Go to the second tab, called **Security**.



Now remove the checkmark in front of **Remember my credentials for this connection each time I'm Logged on**.

## Step by Step Configuration in Windows 8 and 10

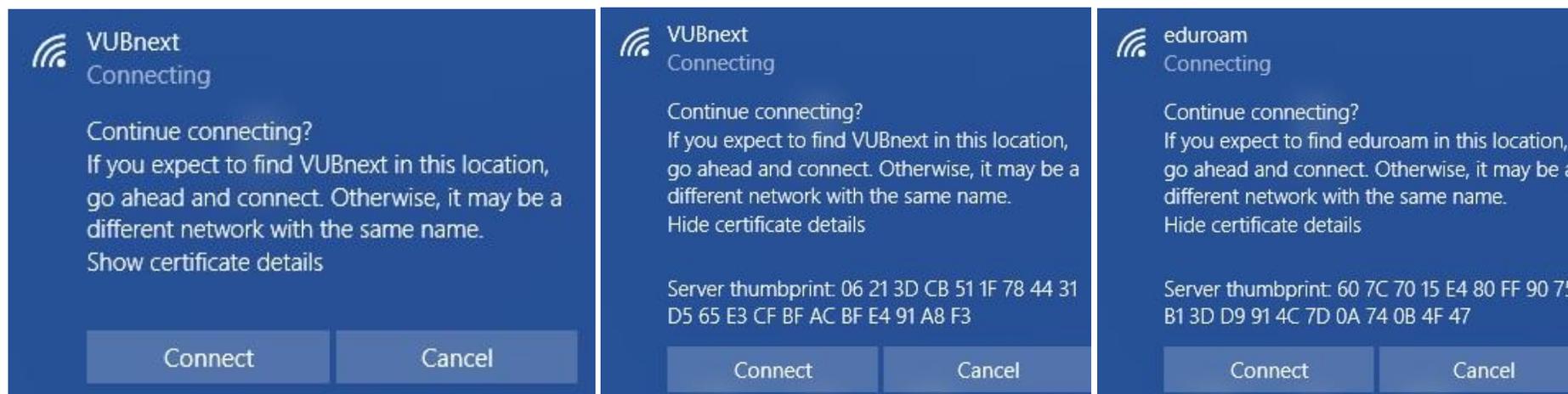


Select either the **VUBnext** or the **Eduroam** network. Then press **Connect**. For VUBnext enter your **NetID** and **password**. For Eduroam enter **NetID@domain** and **password**. Assuming Jan Van de Modale is a VUB-student with NetID "jvmodal", the images below show how to log in.

Note: these screenshots were taken on Windows 10, but are very similar to what you would see in Windows 8.



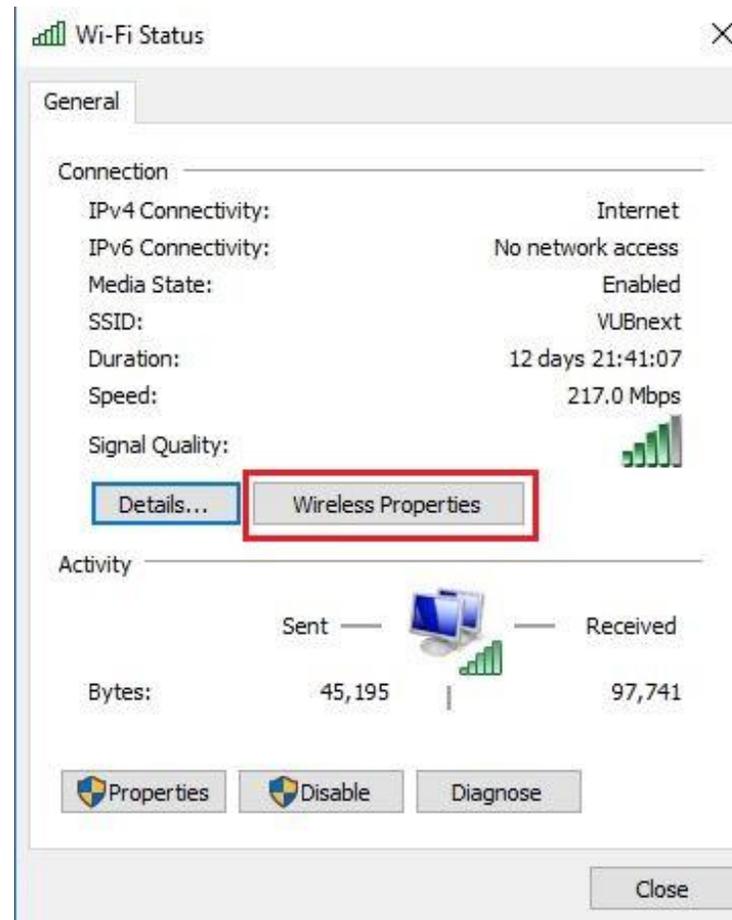
The first time you connect to these networks, you will get a popup about a security certificate. Click on [Show certificate details](#) if you want to get more information. The extra information that is provided, is in the form of a [Server thumbprint](#). This will change over time as we update the certificate or expand our wireless network with new equipment. Press the [Connect](#) button.

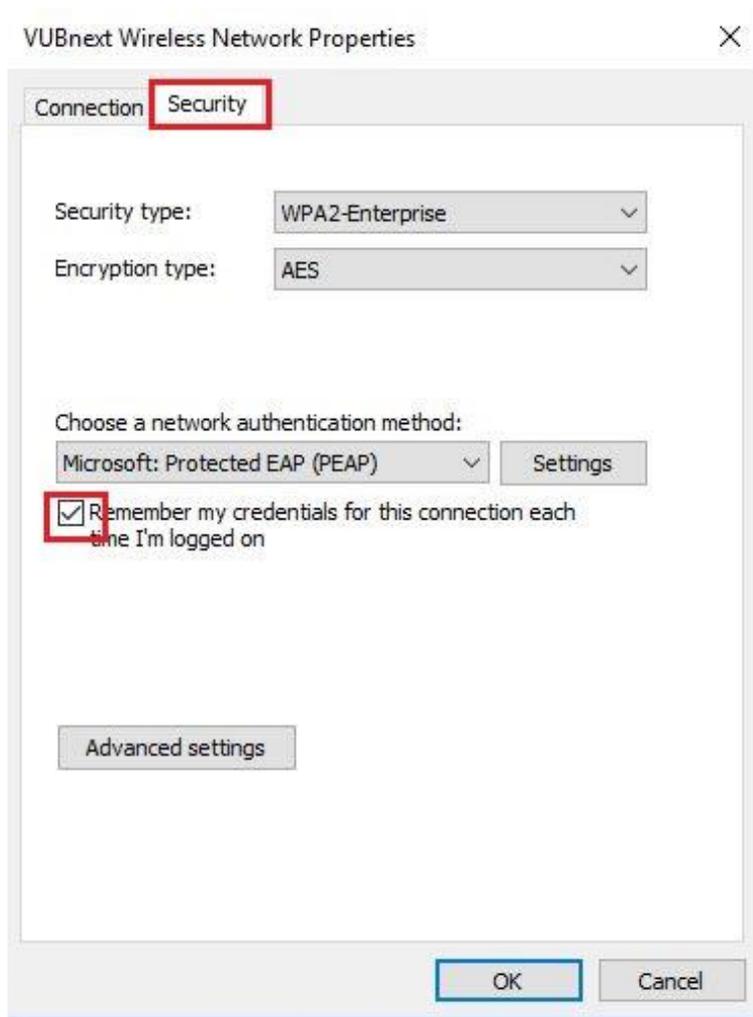


By default Windows will remember this login permanently. If this is not desirable, we will explain in the next steps how to force Windows to ask for your credentials at every connection.

If you want to disable automatic login, or you don't want Windows to remember your login and password, for instance because you're logging in on a guest's computer, go to the desktop, right-click on the wireless icon and select [Open Network and Sharing Center](#).

Click on [Wi-Fi \(VUBnext\)](#) or [Wi-Fi \(Eduroam\)](#), in the next window click on [Wireless Properties](#).





Go to the second tab, called **Security**.

Now remove the checkmark in front of **Remember my credentials for this connection each time I'm logged on**.

## Configuration of the Intel PROSet Utility

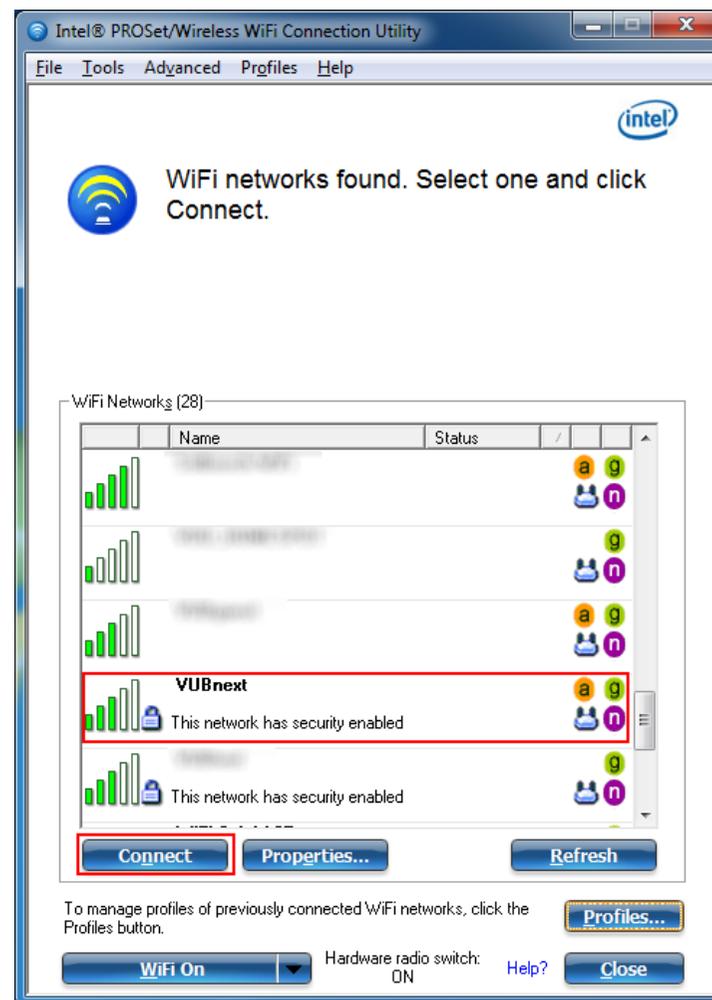
On some laptops the wireless configuration is not managed by Windows but by the [Intel PROSet/Wireless Wi-Fi Connection Utility](#).



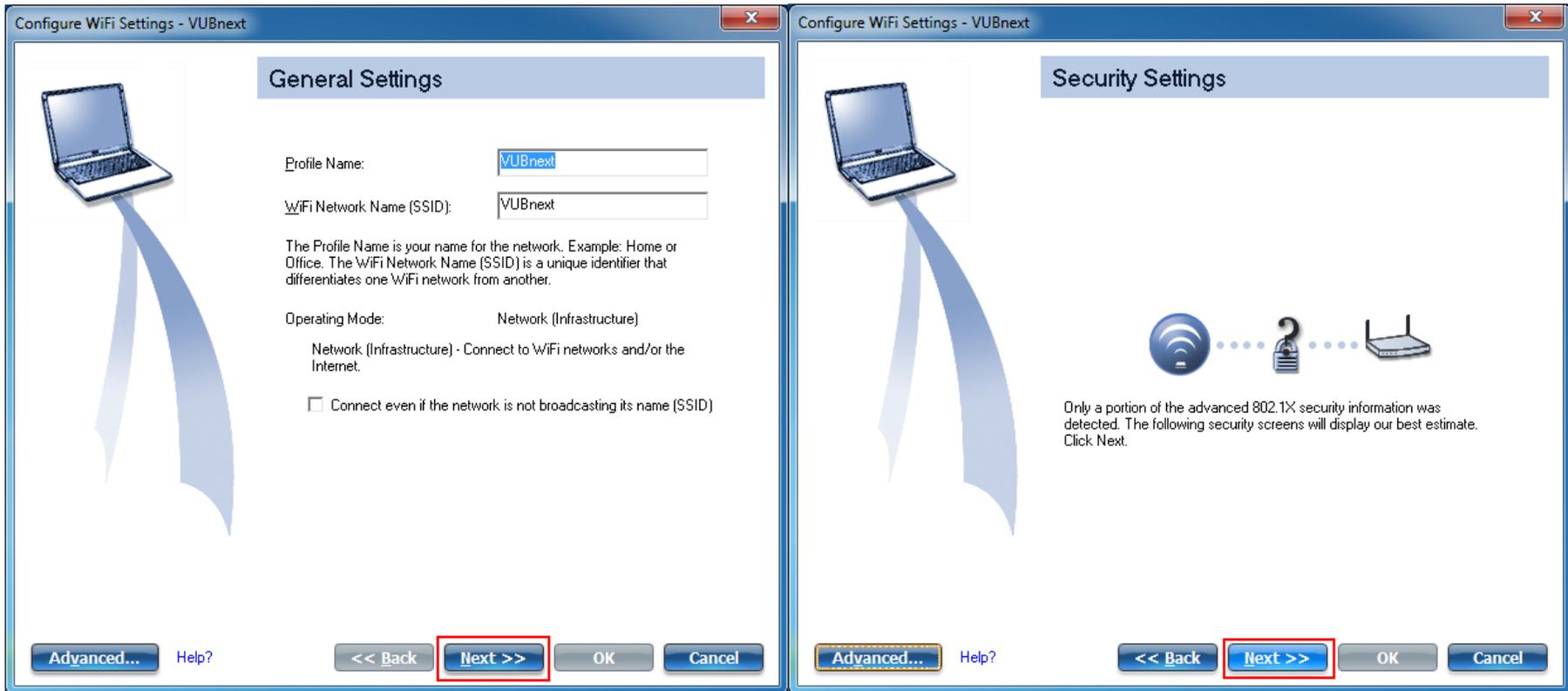
You will recognise this by the specific Intel icon shown above. Left-click this icon and choose [Configure Wi-Fi](#).



In the Intel PROSet Utility you see an overview of available wireless networks. Click on [VUBnext](#) or [Eduroam](#) to select the desired wireless network, then click on the [Connect](#) button.



In the following window click on **Next**. Your computer will try to configure the wireless network, then will give you the second screen. Click on **Next** again.



Don't modify any of the settings on the next screen. Click on the dropdown for the **User Credentials**. If you want to disable automatic login, or you don't want Windows to remember your login and password, for instance because you're logging in on a guest's computer, choose **Prompt each time I connect**. Otherwise the logical choice is the setting **Use the following**. Proceed by entering your credentials. For VUBnext this would be your **NetID** and **password**. For Eduroam this would be **NetID@domain** and **password**. A VUB student called Jan Van de Modale would enter **jvdmodal** for VUBnext and **jvdmodal@vub.ac.be** for Eduroam.

**Security Settings**

Personal Security  Enterprise Security

Network Authentication: WPA2 - Enterprise

Data Encryption: AES - CCMP

Enable 802.1X

Authentication Type: PEAP **Cisco Options...**

Step 1 of 2 : PEAP User

Authentication Protocol: MS-CHAP-V2

User Credentials: Use the following (selected)

User Name: [empty]

Domain: [empty]

Password: [empty]

Confirm Password: [empty]

Roaming Identity: mypc\jvdmodal

**Security Settings**

Personal Security  Enterprise Security

Network Authentication: WPA2 - Enterprise

Data Encryption: AES - CCMP

Enable 802.1X

Authentication Type: PEAP **Cisco Options...**

Step 1 of 2 : PEAP User

Authentication Protocol: MS-CHAP-V2

User Credentials: Use the following

User Name: jvdmodal

Domain: [empty]

Password: [masked]

Confirm Password: [masked]

Roaming Identity: mypc\jvdmodal

Don't change anything on the following screen. Click on **Next**, then on **OK** in the last screen.