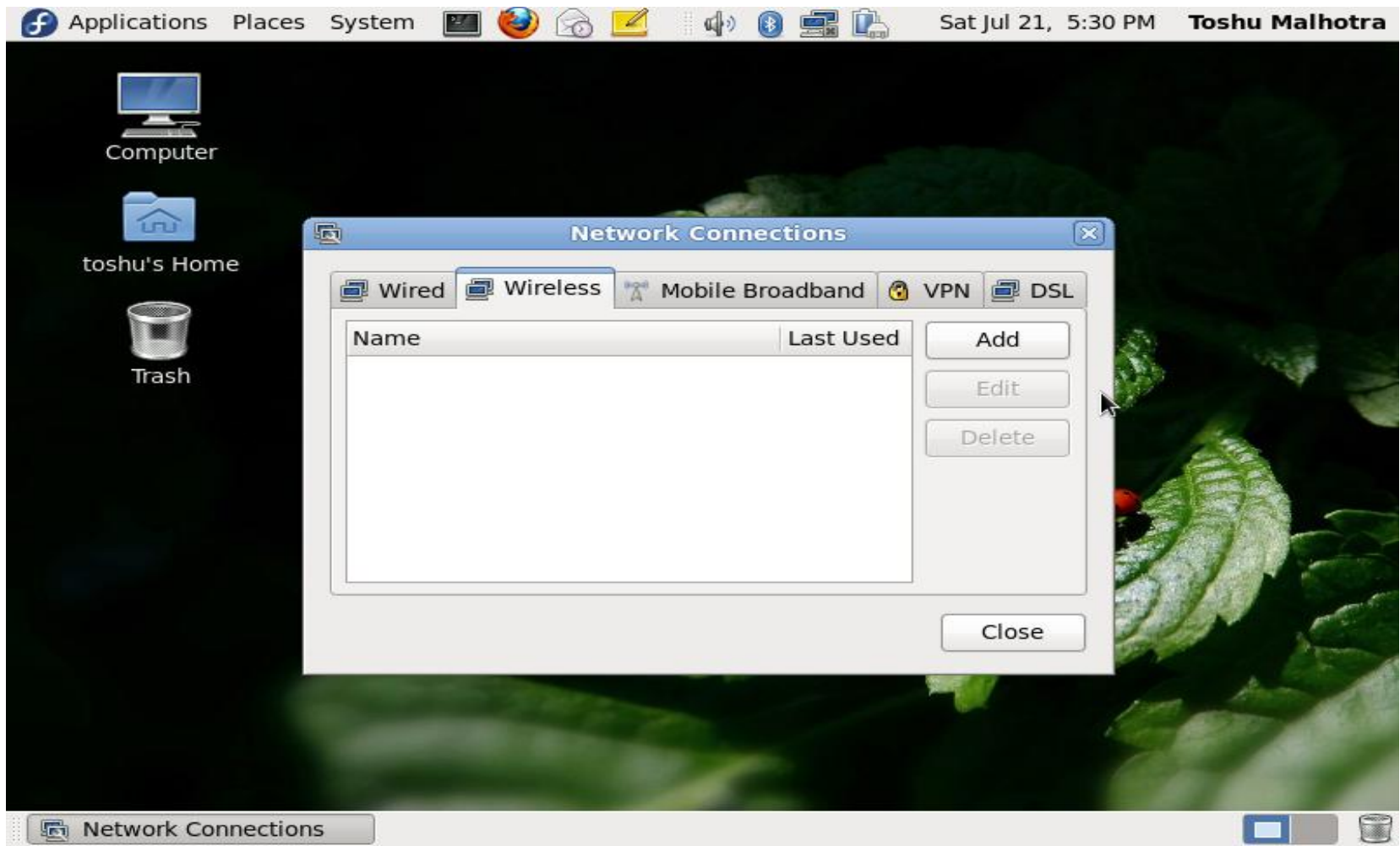


# Connecting to Secure Wireless (iitk-sec) on Fedora

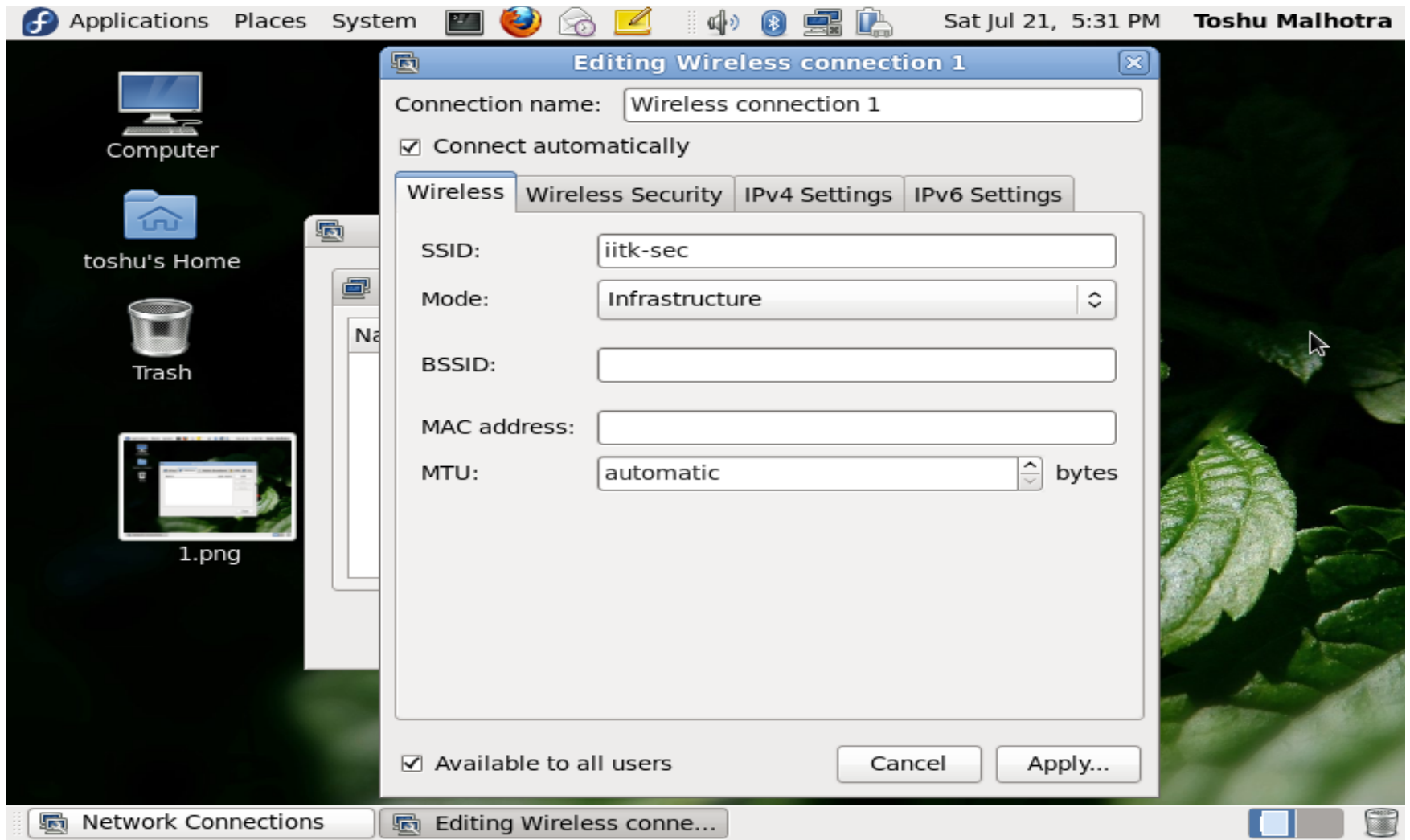
# Configuration

- Go to **“System→Preferences→Network Connections”**.
- Click on **“Wireless”** tab and then **“Add”** button.



# Configuration

- Check **“Connect automatically”** and **“Available to all users”**.  
Set SSID to **“iitk-sec”**.

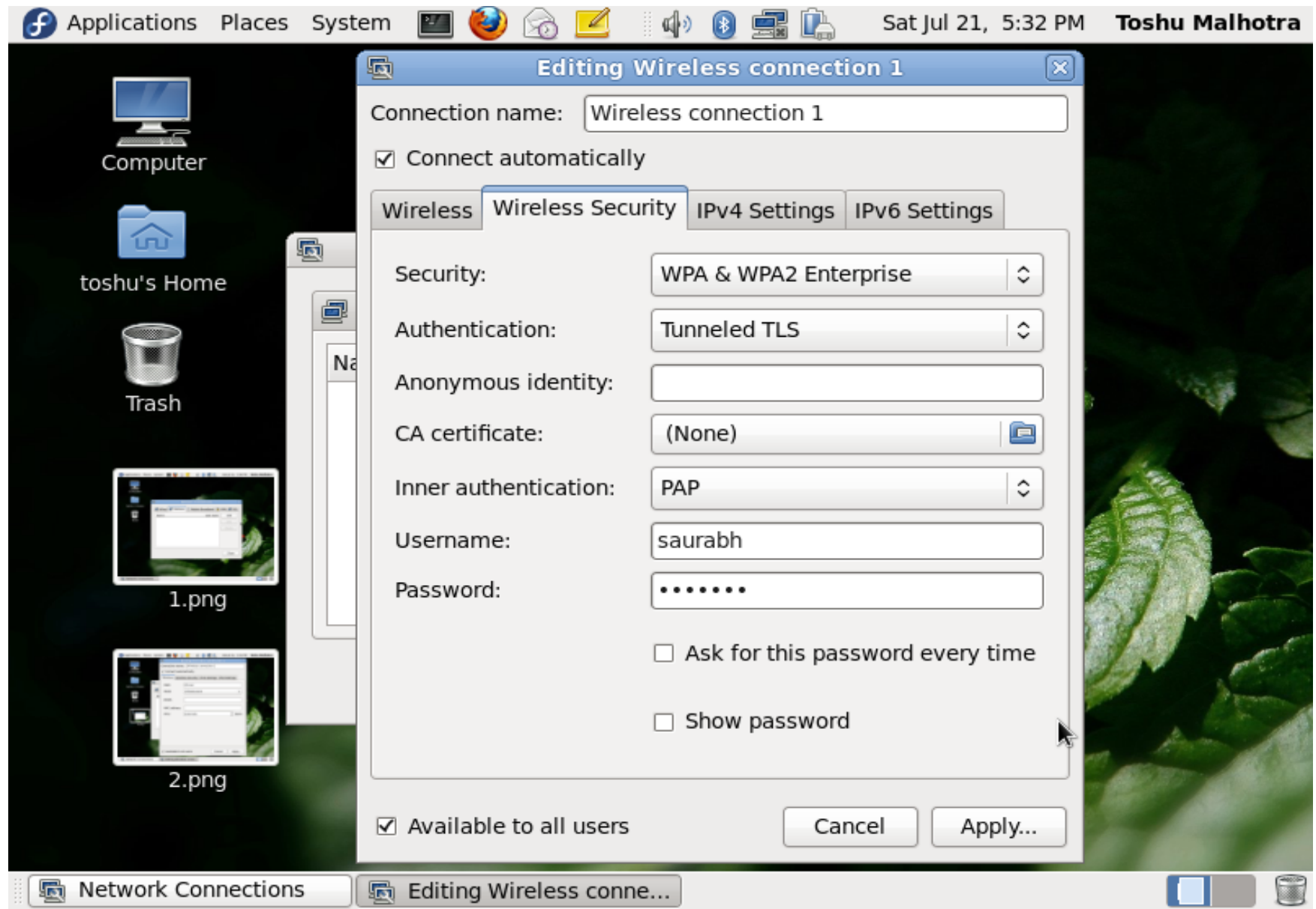


# Configuration

- Go to **“Wireless Security”** tab and select these options.
- Security: **WPA & WPA2 Enterprise**
- Authentication: **Tunneled TLS**
- CA certificate: **(None)**
- Inner authentication: **PAP**
- Username: **(Use your proxy username)**
- Password: **(Use your proxy password)**

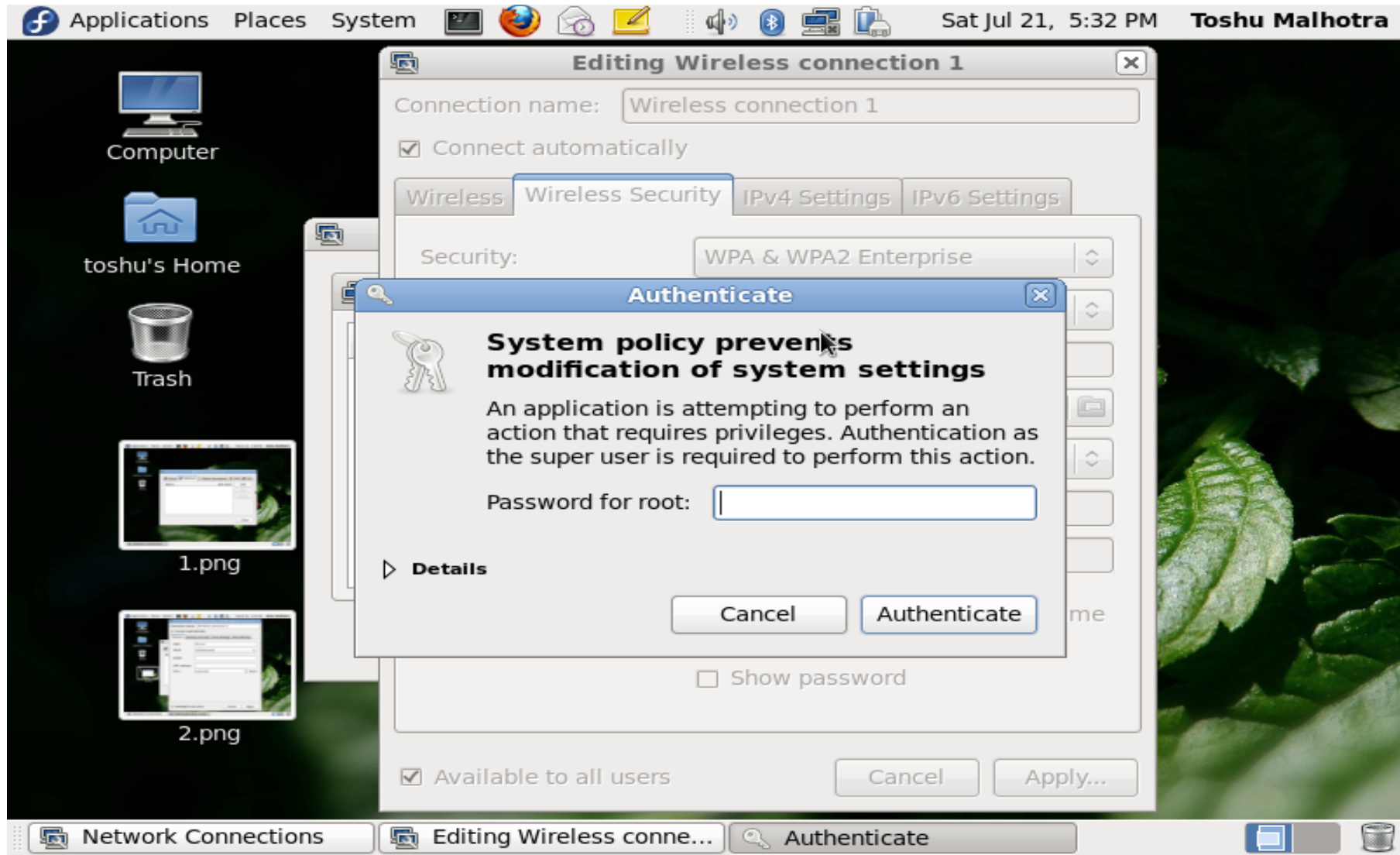
See figure on next slide regarding this.

# Configuration



# Configuration

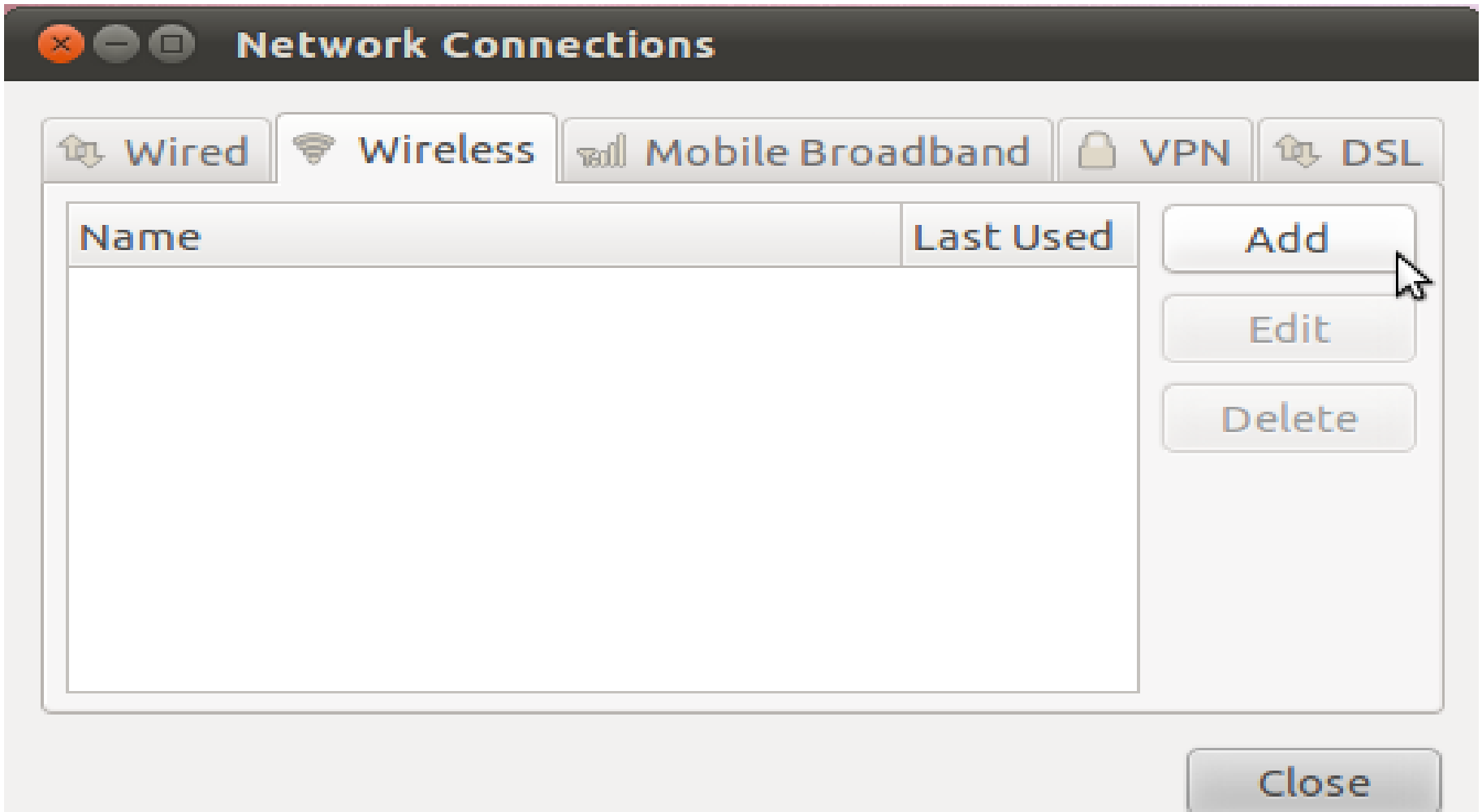
- Click on **“Apply”** and give your system root password.



# Connecting to Secure Wireless (iitk-sec) on Ubuntu

# Configuration

- Go to “**System→Preferences→Network Connections**”.
- Click on “**Wireless**” tab and then “**Add**” button.





# Configuration

- Check **“Connect automatically”** and **“Available to all users”**.  
Set SSID to **“iitk-sec”**.

**Editing Wireless connection 1**

Connection name:

☒ Connect automatically

**Wireless** | Wireless Security | IPv4 Settings | IPv6 Settings

SSID:

Mode:

BSSID:

Device MAC address:

Cloned MAC address:

MTU:  bytes

☒ Available to all users



Cancel Apply...

# Configuration

- Go to **“Wireless Security”** tab and select these options.
- Security: **WPA & WPA2 Enterprise**
- Authentication: **Tunneled TLS**
- CA certificate: **(None)**
- Inner authentication: **PAP**
- Username: **(Use your proxy username)**
- Password: **(Use your proxy password)**

See figure on next slide regarding this.

# Configuration

   **Editing Wireless connection 1** 

Connection name:

☒ Connect automatically

**Wireless** | **Wireless Security** | IPv4 Settings | IPv6 Settings

Security:

Authentication:

Anonymous identity:

CA certificate:  

Inner authentication:

Username:

Password:

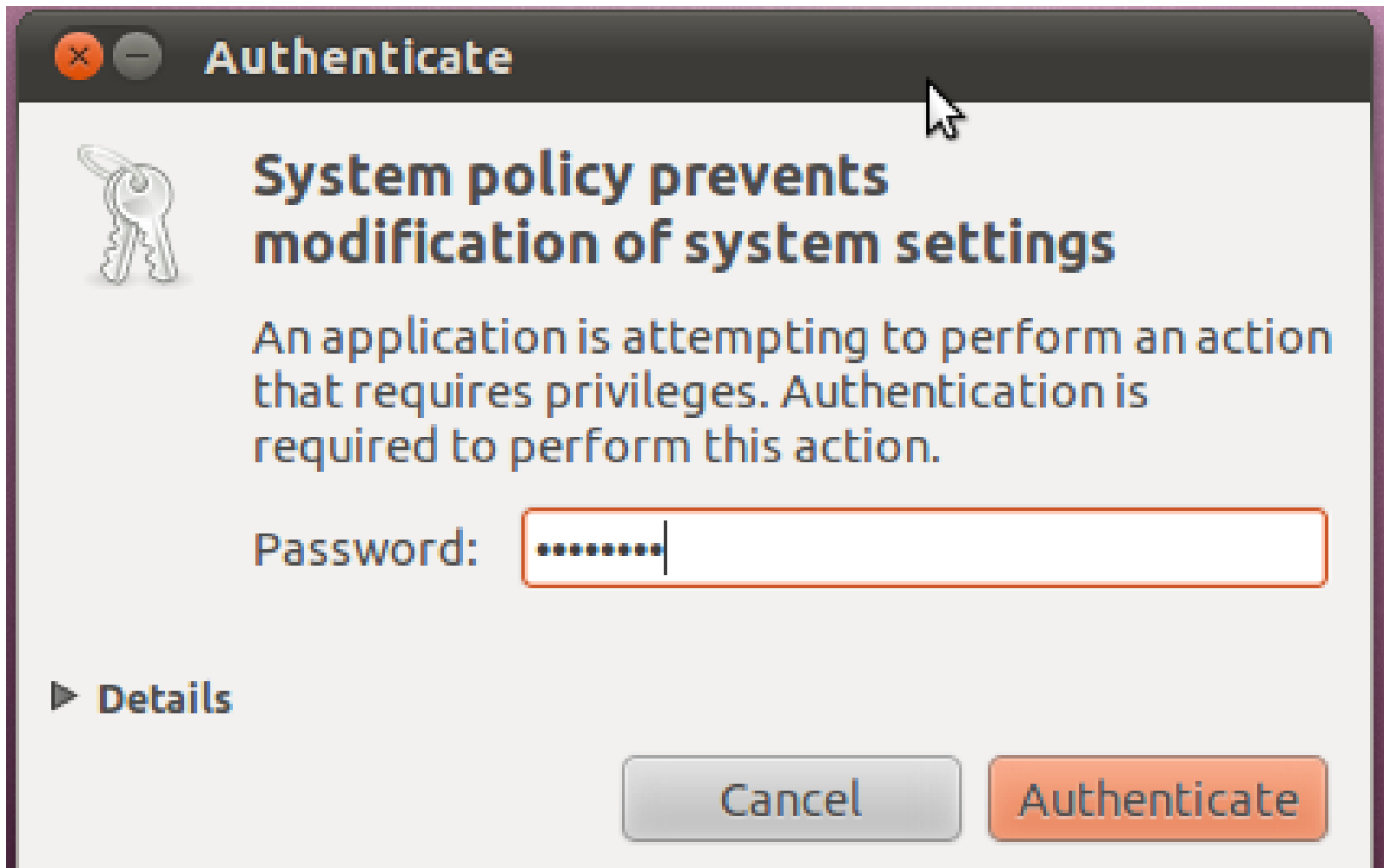
☐ Ask for this password every time

☐ Show password

☒ Available to all users

# Configuration

- Click on **“Apply”** and give your system root password.
- Now click **“Authenticate”** button.



Connecting to  
Secure Wireless  
(iitk-sec)  
on  
Windows Vista

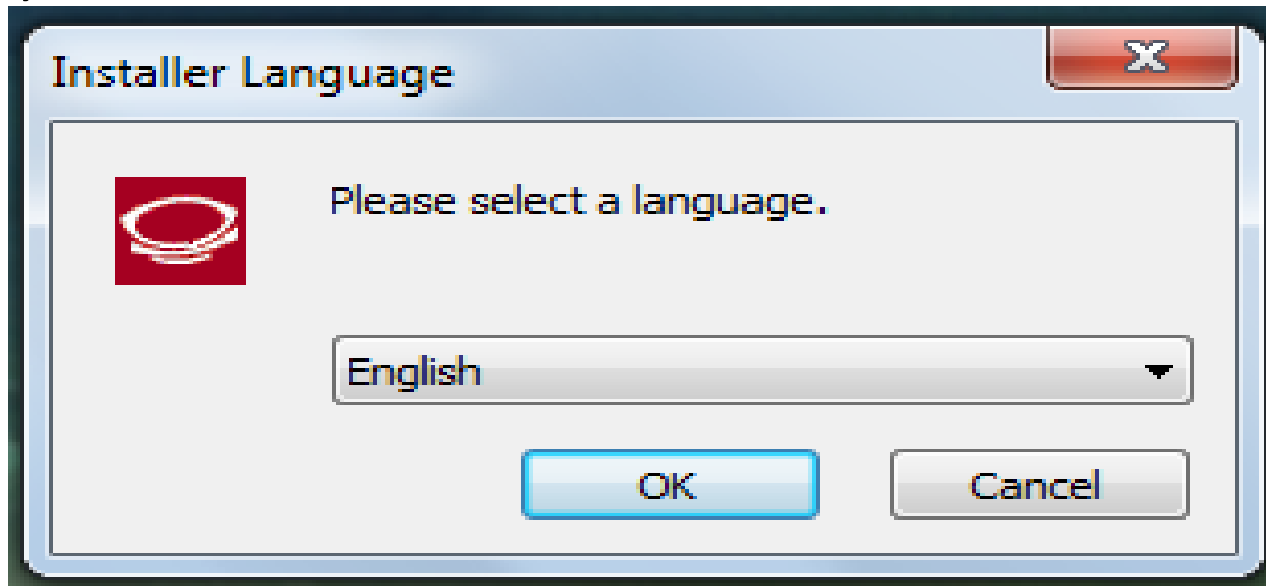
# Installation

- Download “SecureW2” client from this given link

[http://www.iitk.ac.in/cc/UIC\\_SecureW2.exe](http://www.iitk.ac.in/cc/UIC_SecureW2.exe)

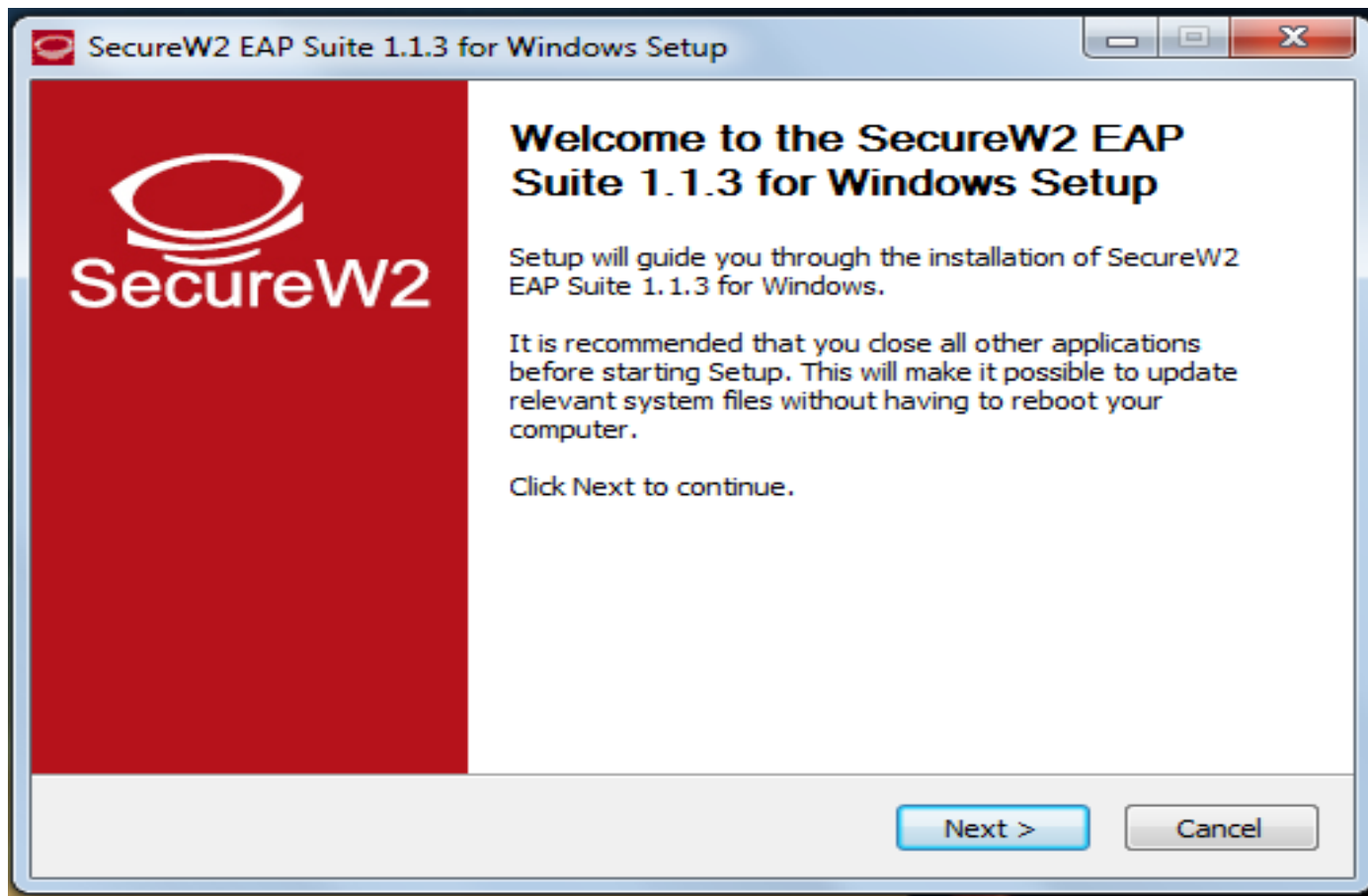
# Installation Continues...

- Start Setup "UIC\_SecureW2" by double click, then Click "OK".



# Installation Continues...

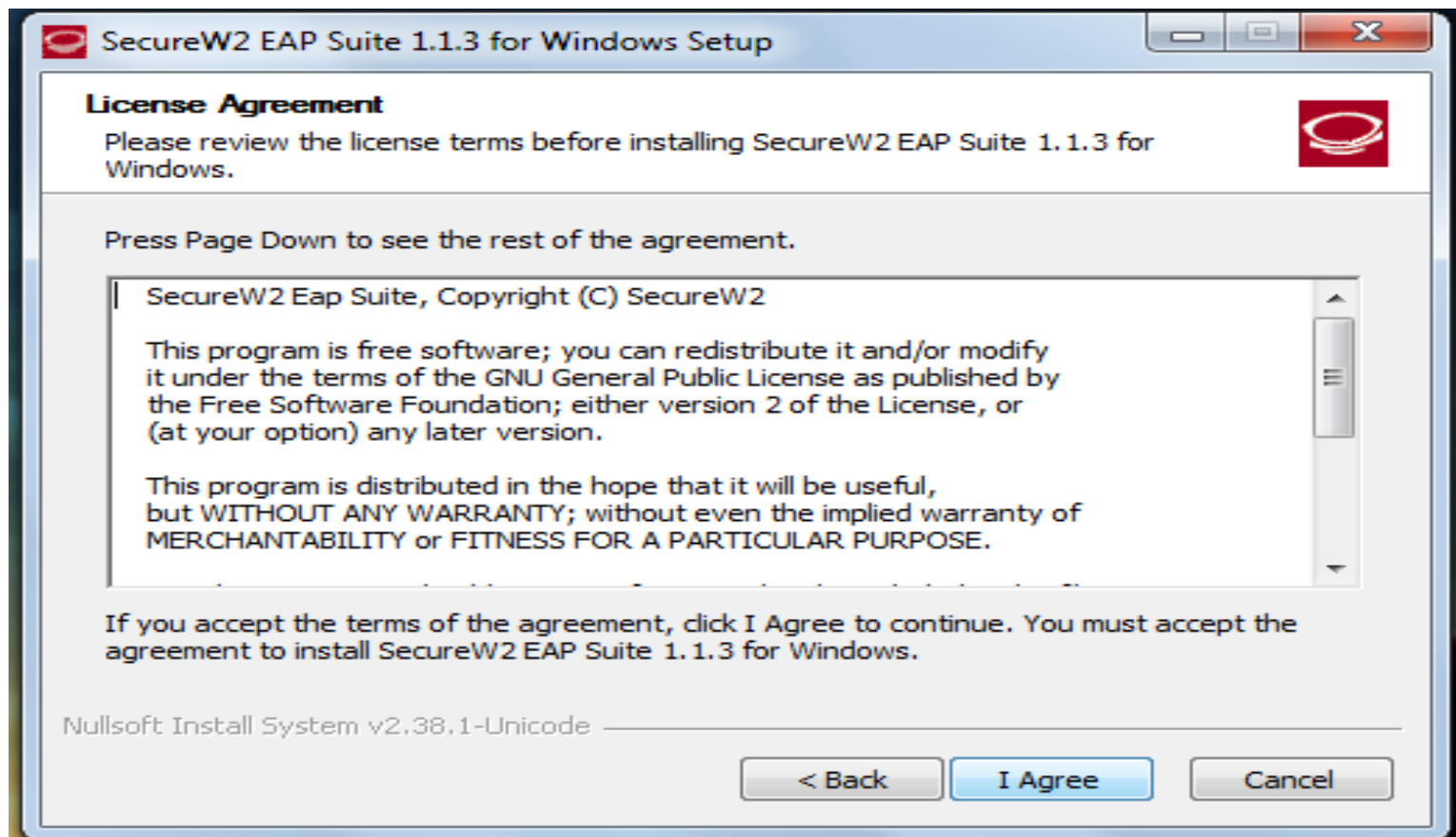
- Click “Next”.





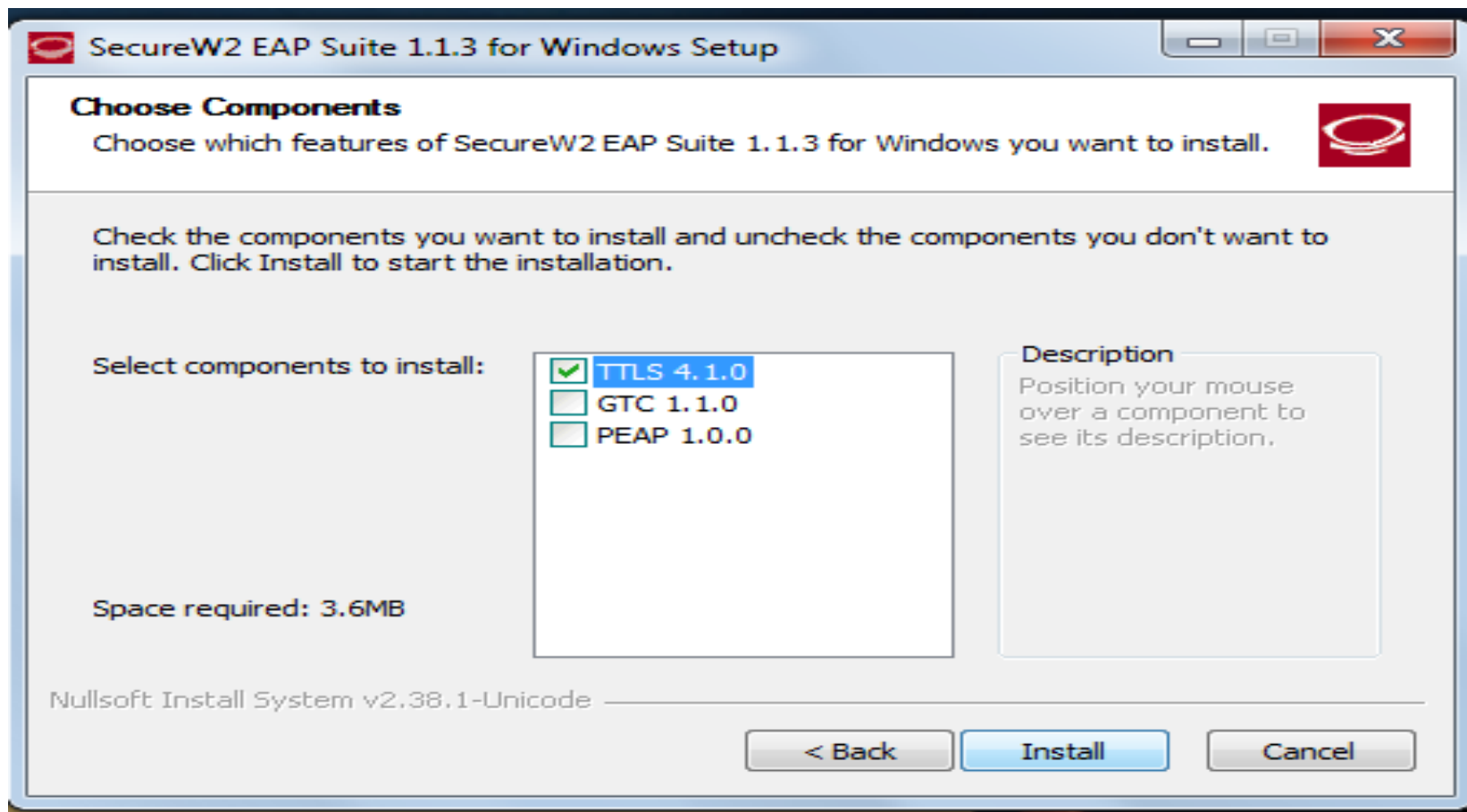
# Installation Continues...

- Click “I Agree”.



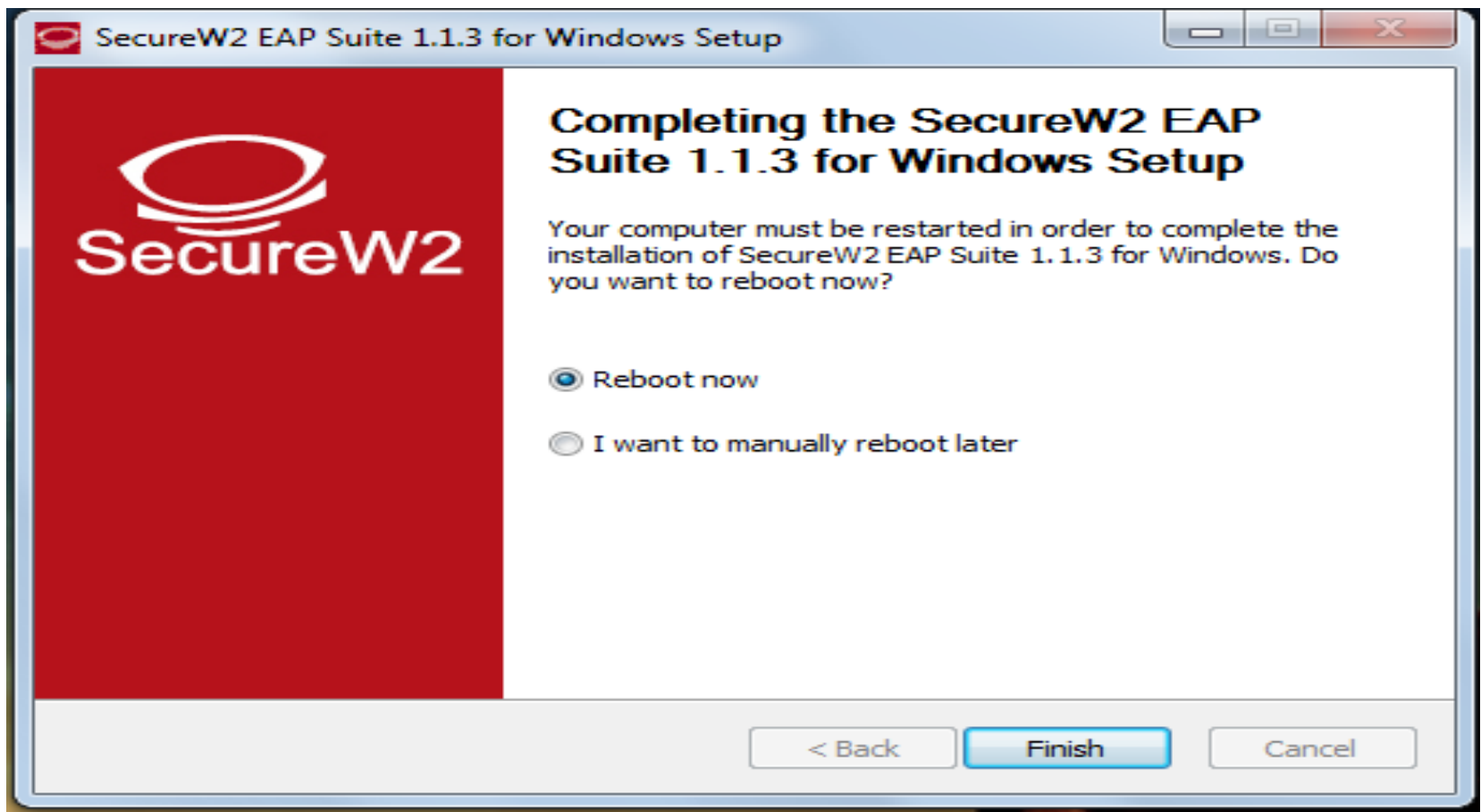
# Installation Continues...

- Select “TTLS” and click on “Install”.



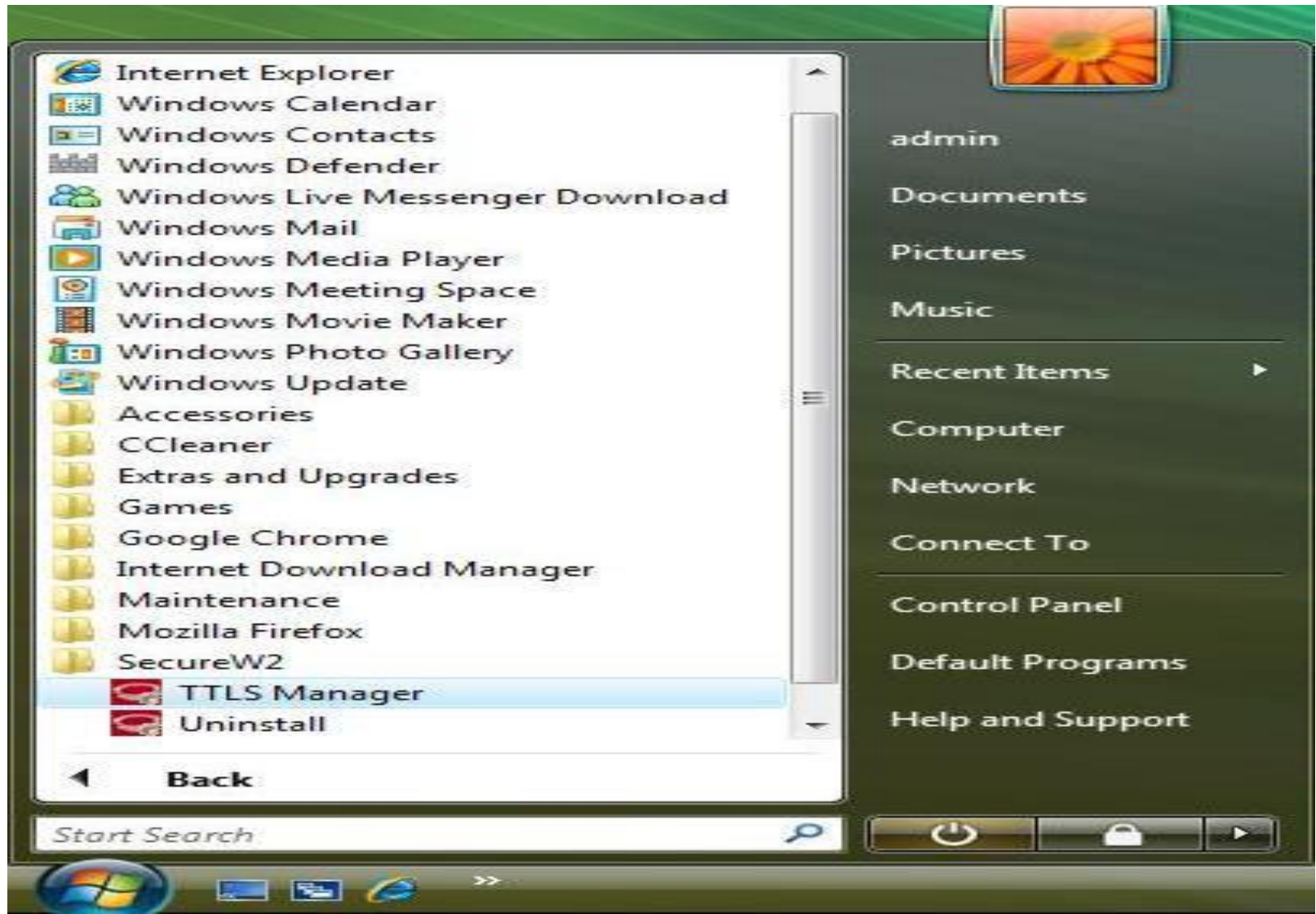
# Installation Continues...

- Click on **“Finish”**.



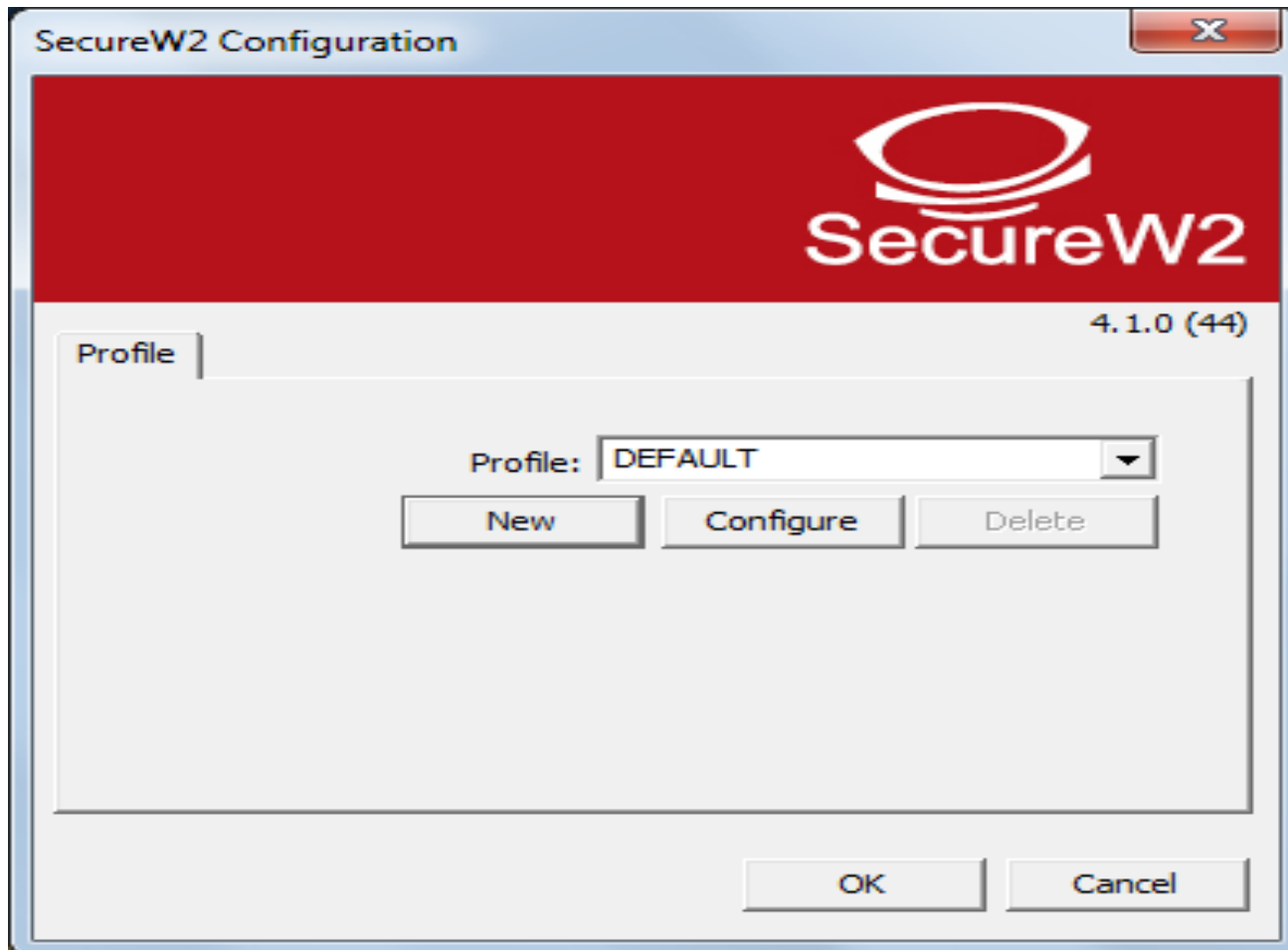
# Configuration

- Start “TTLs-Manager” by Clicking “Start→SecureW2”.



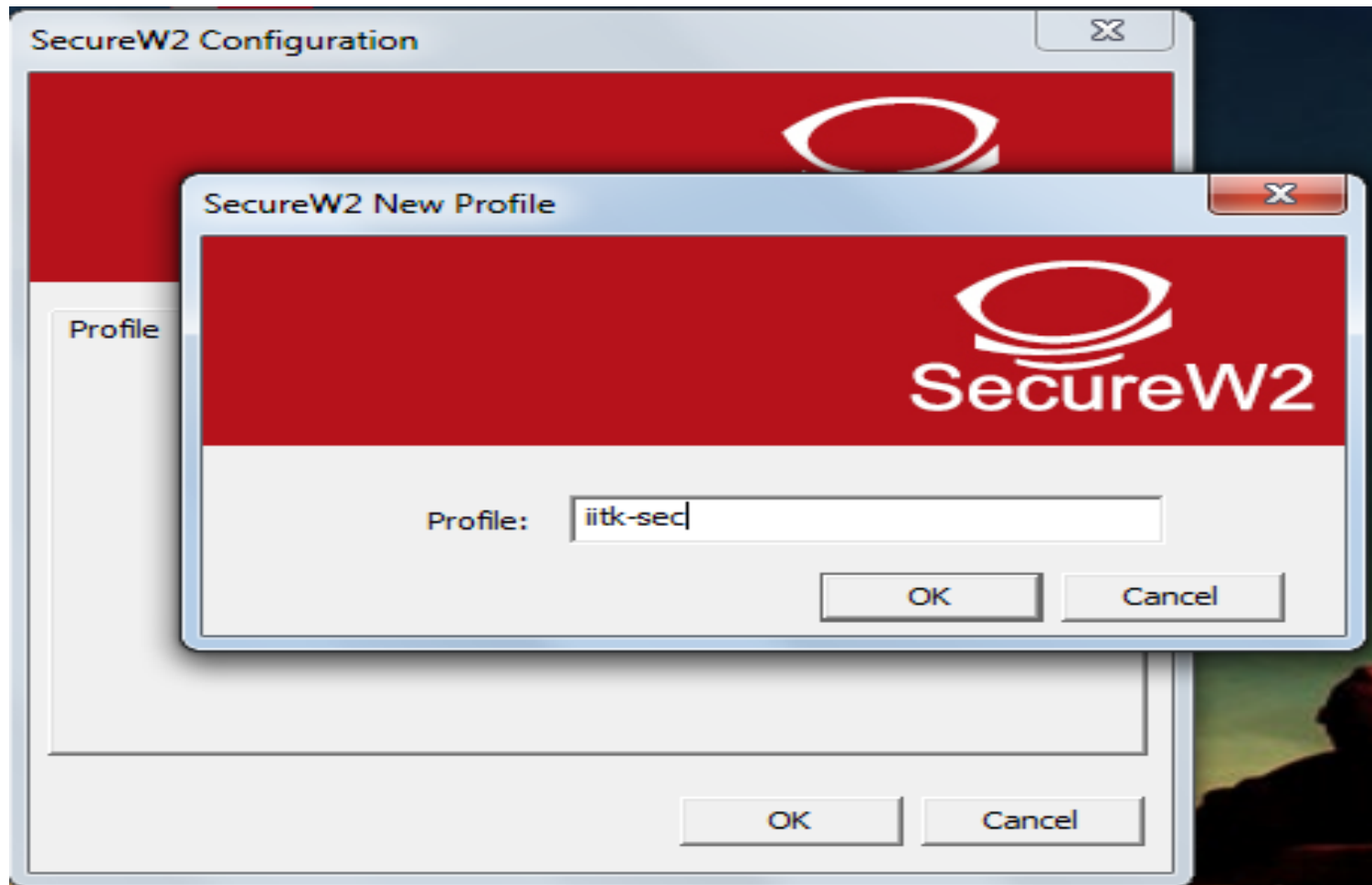
# Configuration

- Click on “New” Button.



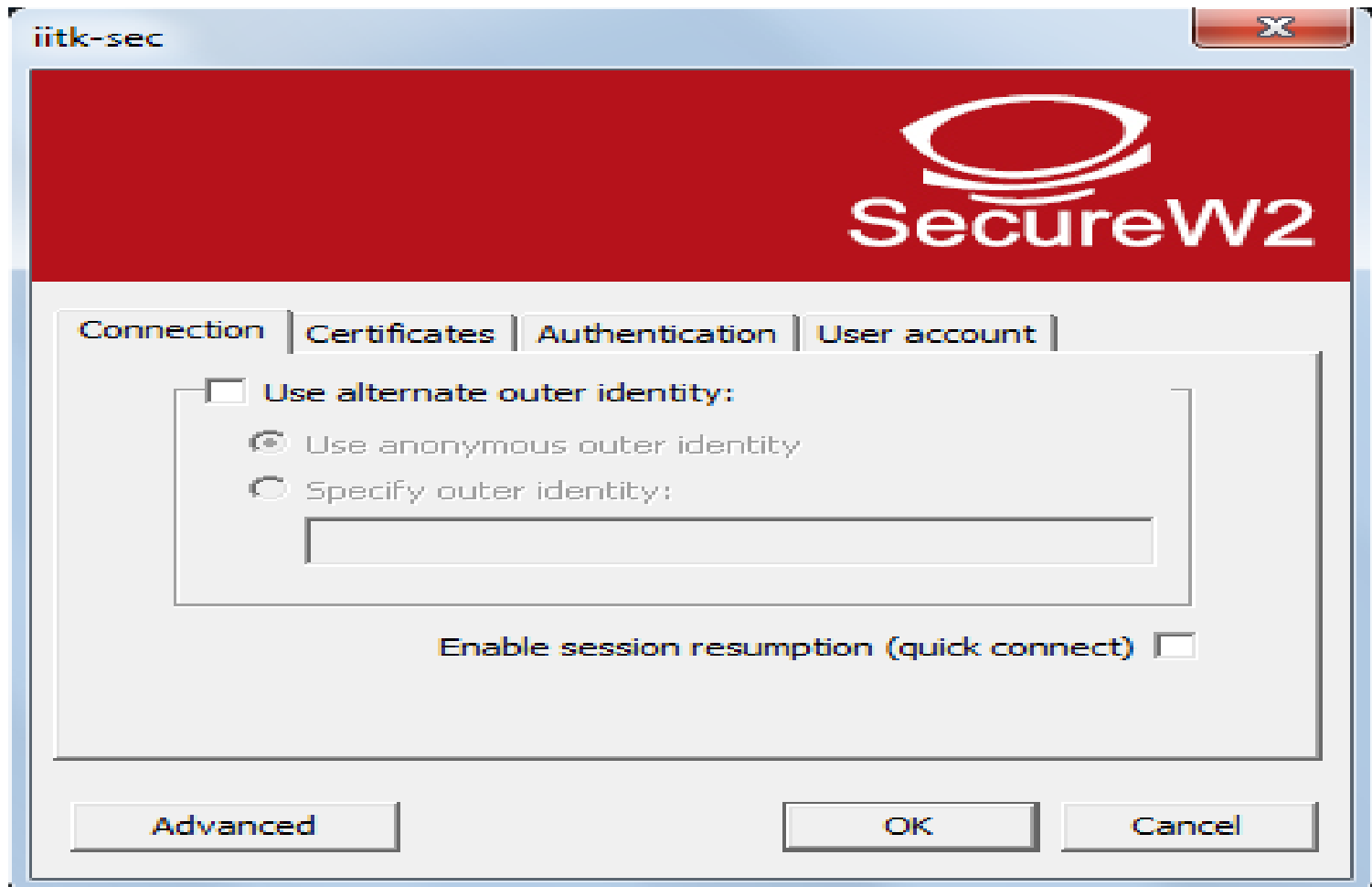
# Configuration

- Create Profile “iitk-sec” and click “OK”.



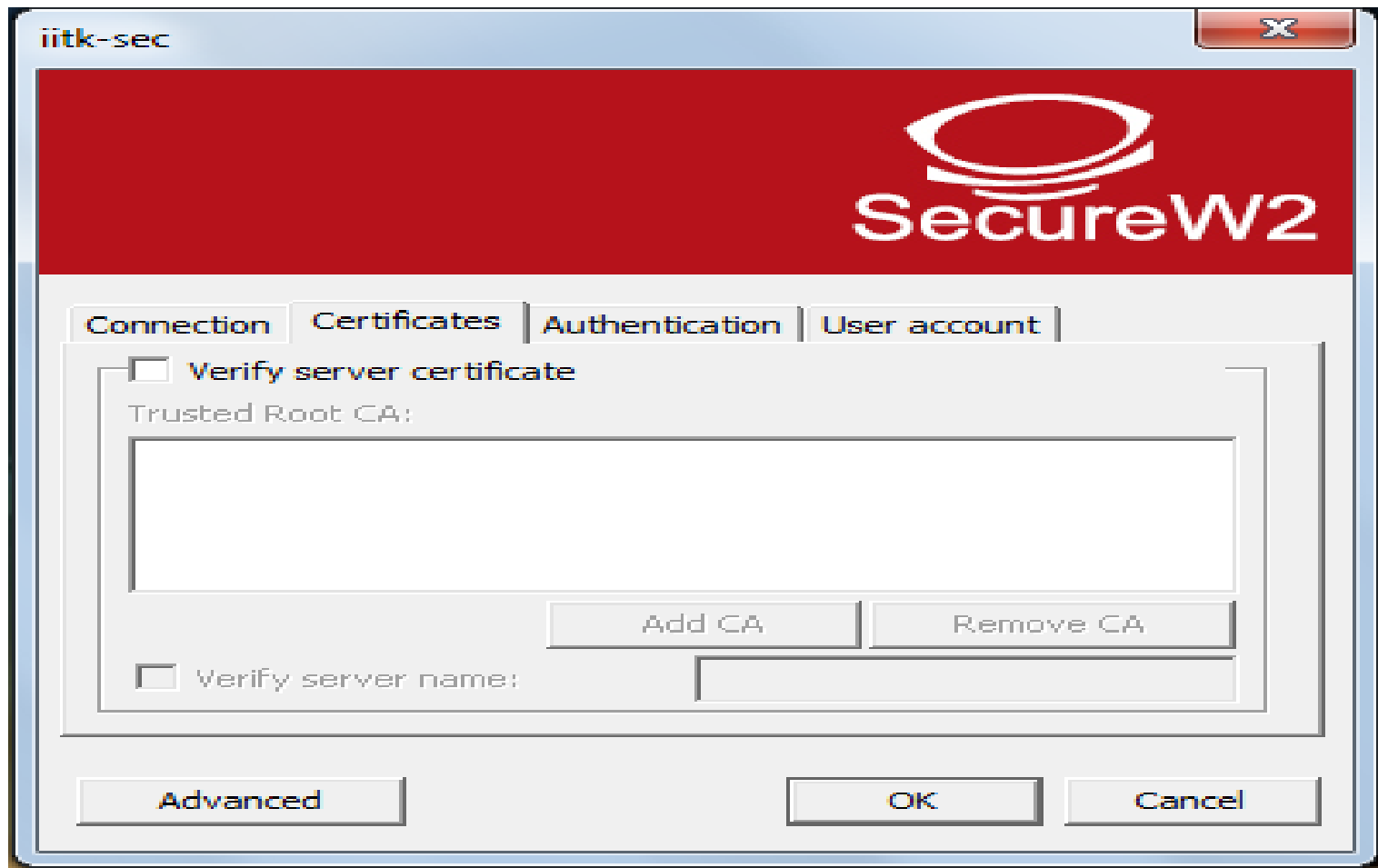
# Configuration

- Uncheck "Use alternate outer identity:".



# Configuration

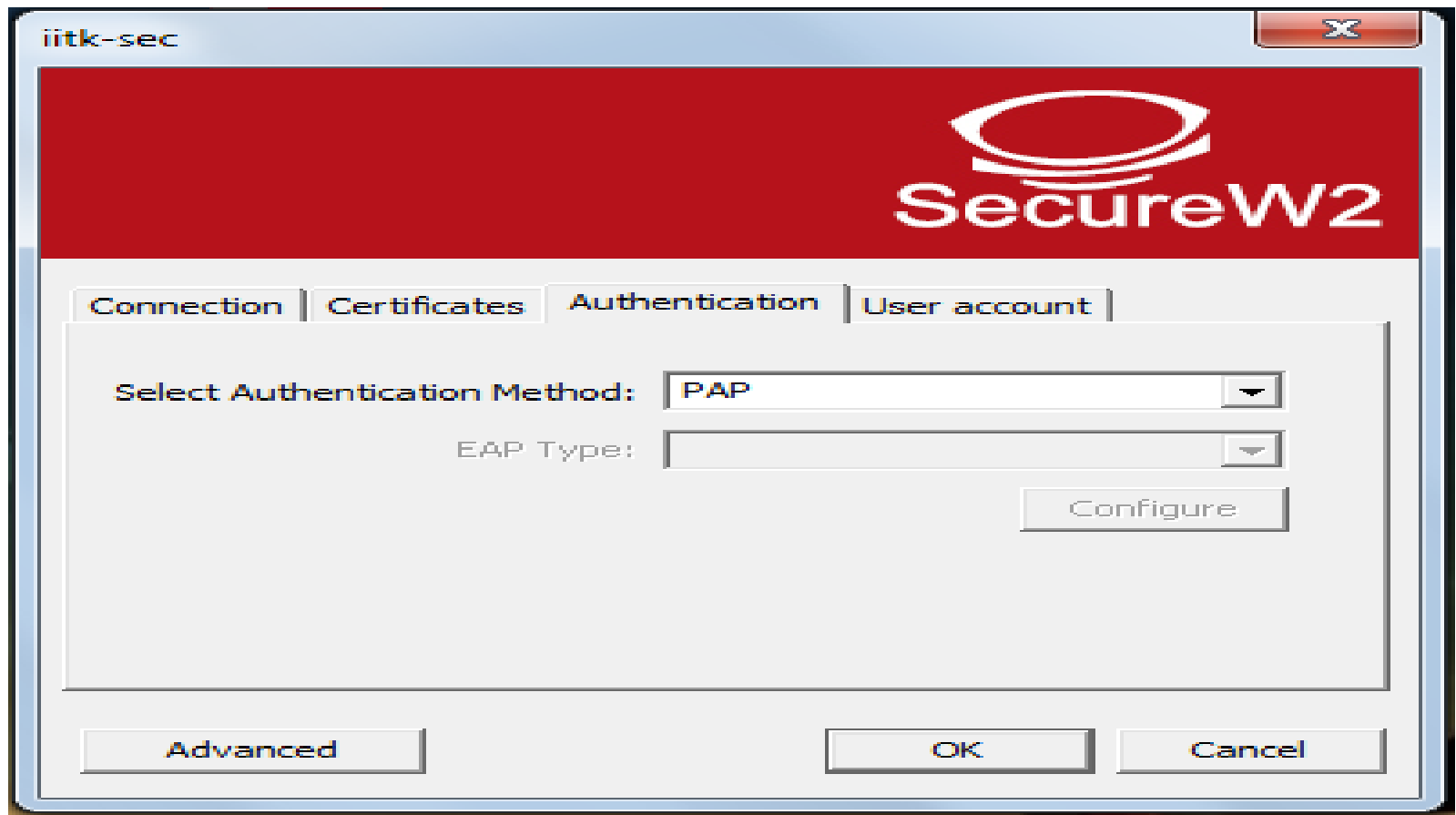
- Click on “Certificates” tab and uncheck “Verify server certificate”.





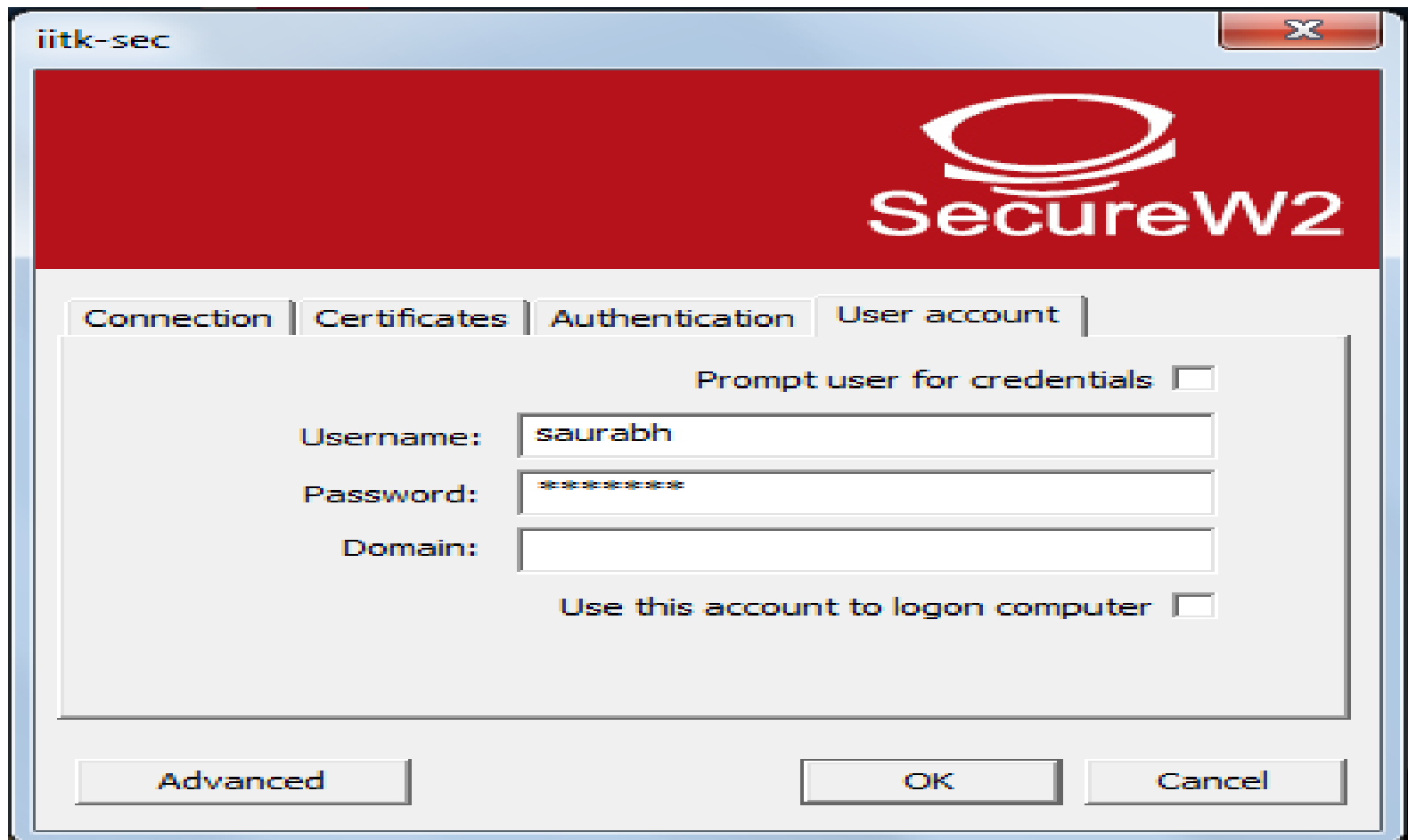
# Configuration

- Click on “Authentication” Tab and make sure that “Select Authentication Method: PAP”.



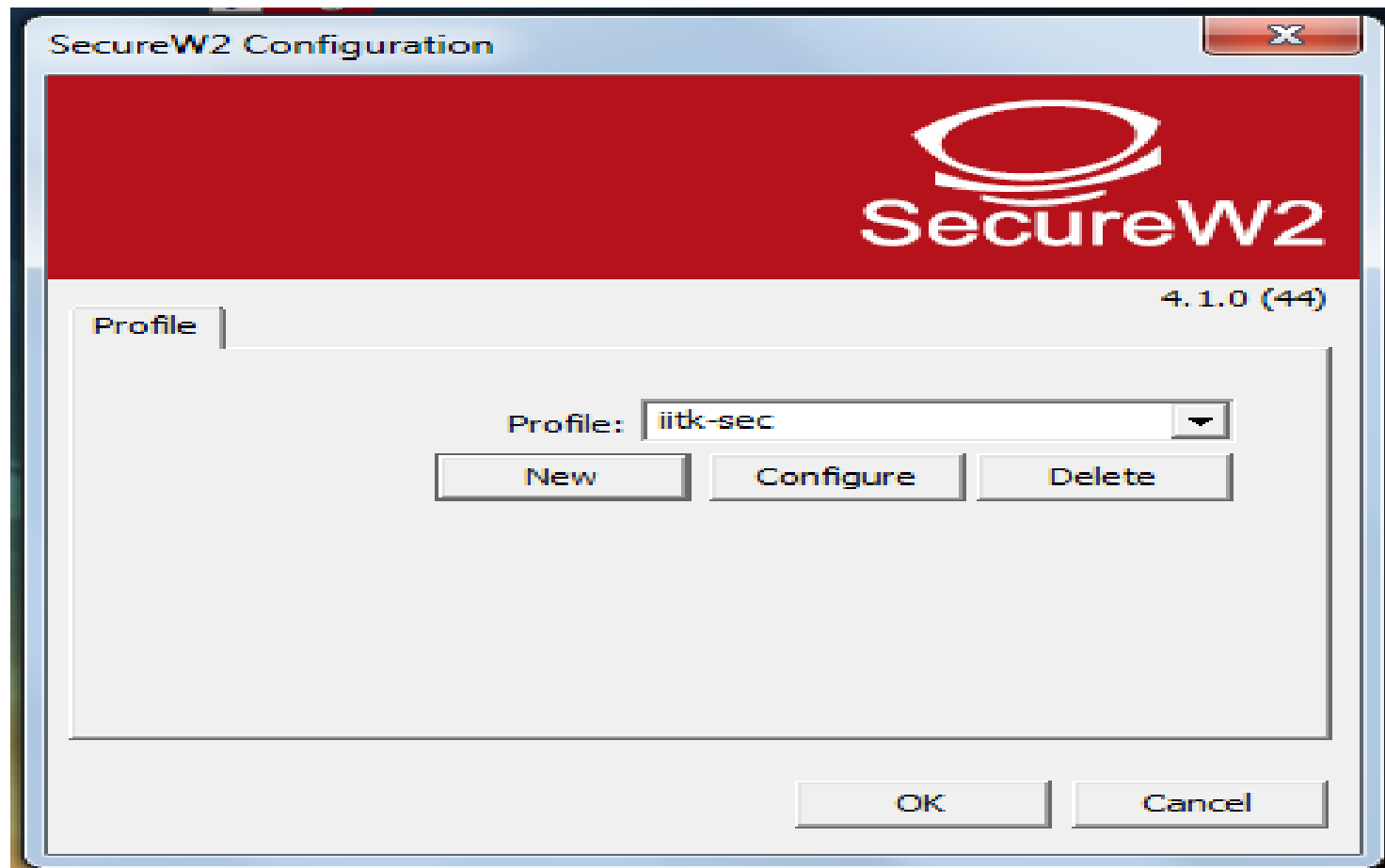
# Configuration

- Click on **“User account”** tab and uncheck **“prompt user for credentials”**, Put your Username: and Password: (As you normally use on proxy), Click **“OK”**.



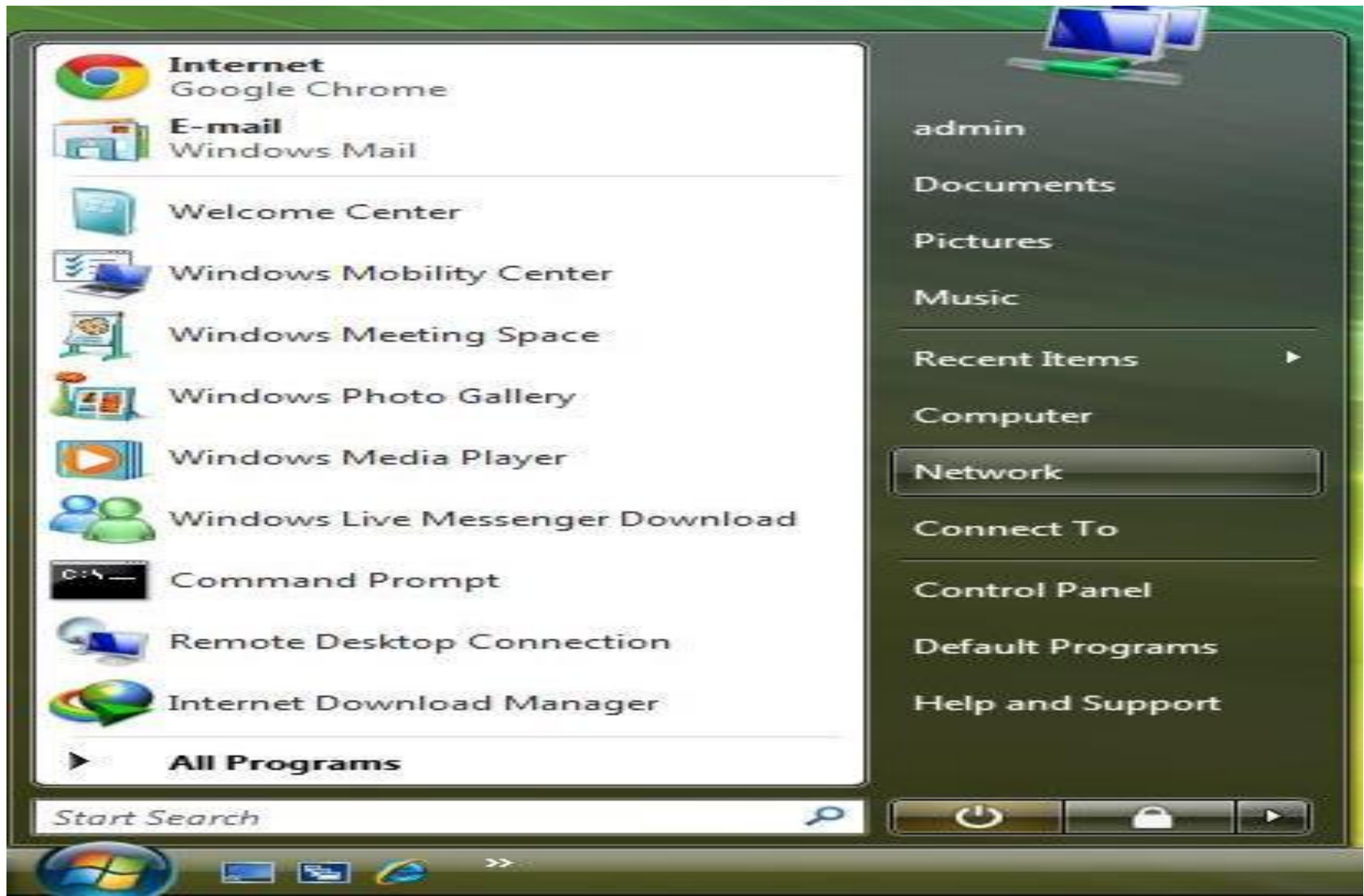
# Configuration

- Click “OK”.



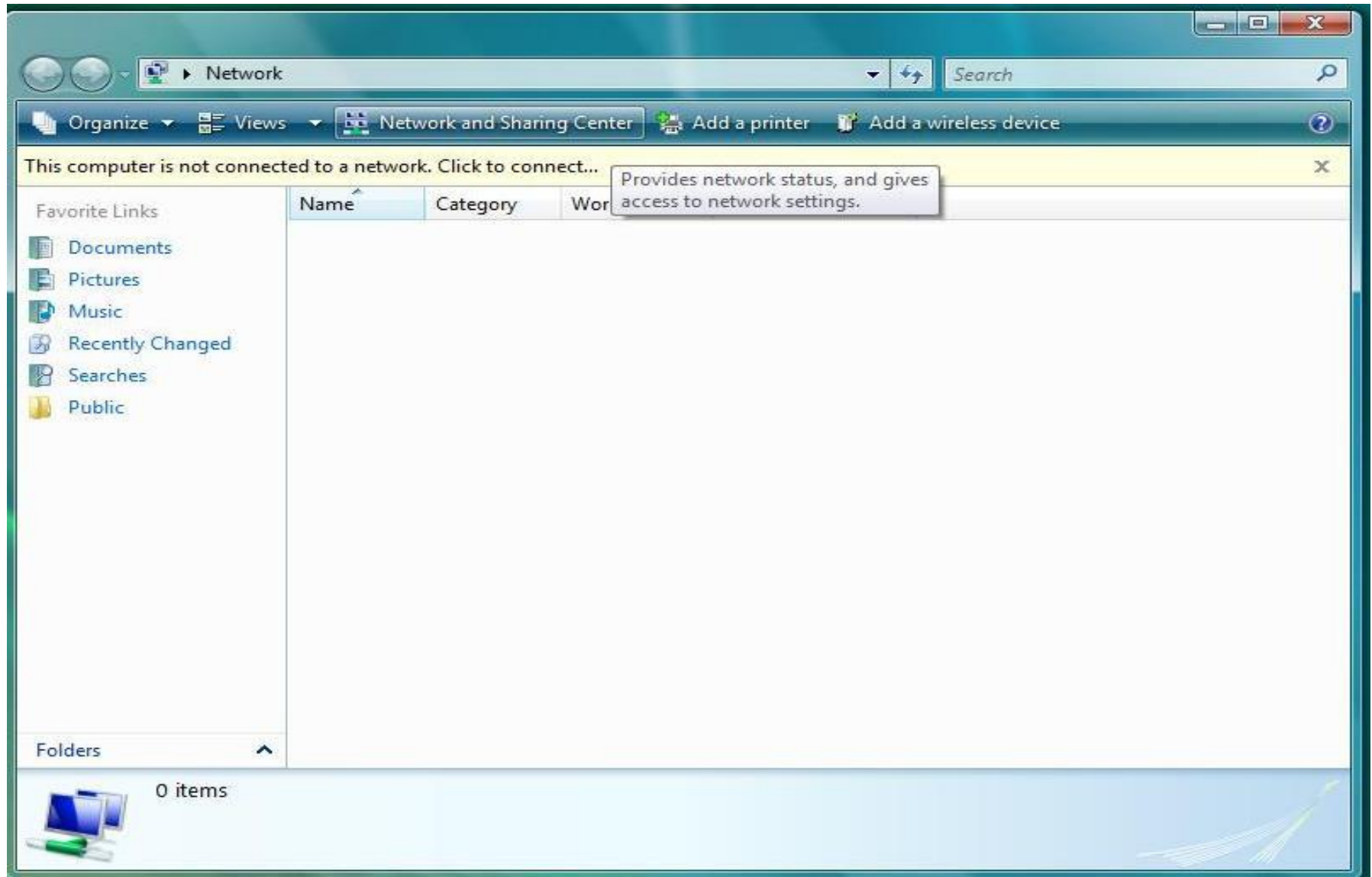
# Configuration

- Select **“Network”**.



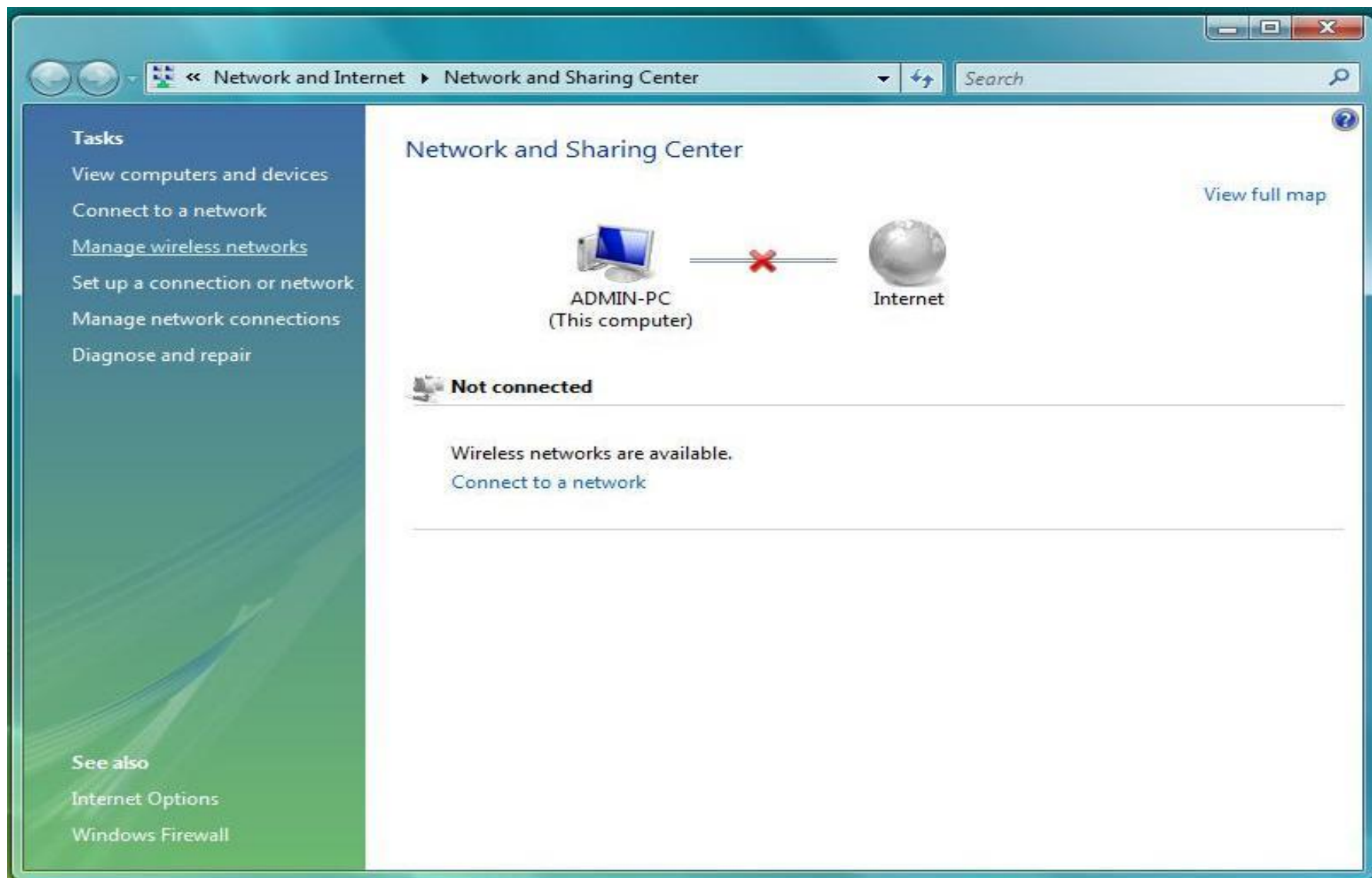
# Configuration

- Click on **“Network and Sharing Center”**.



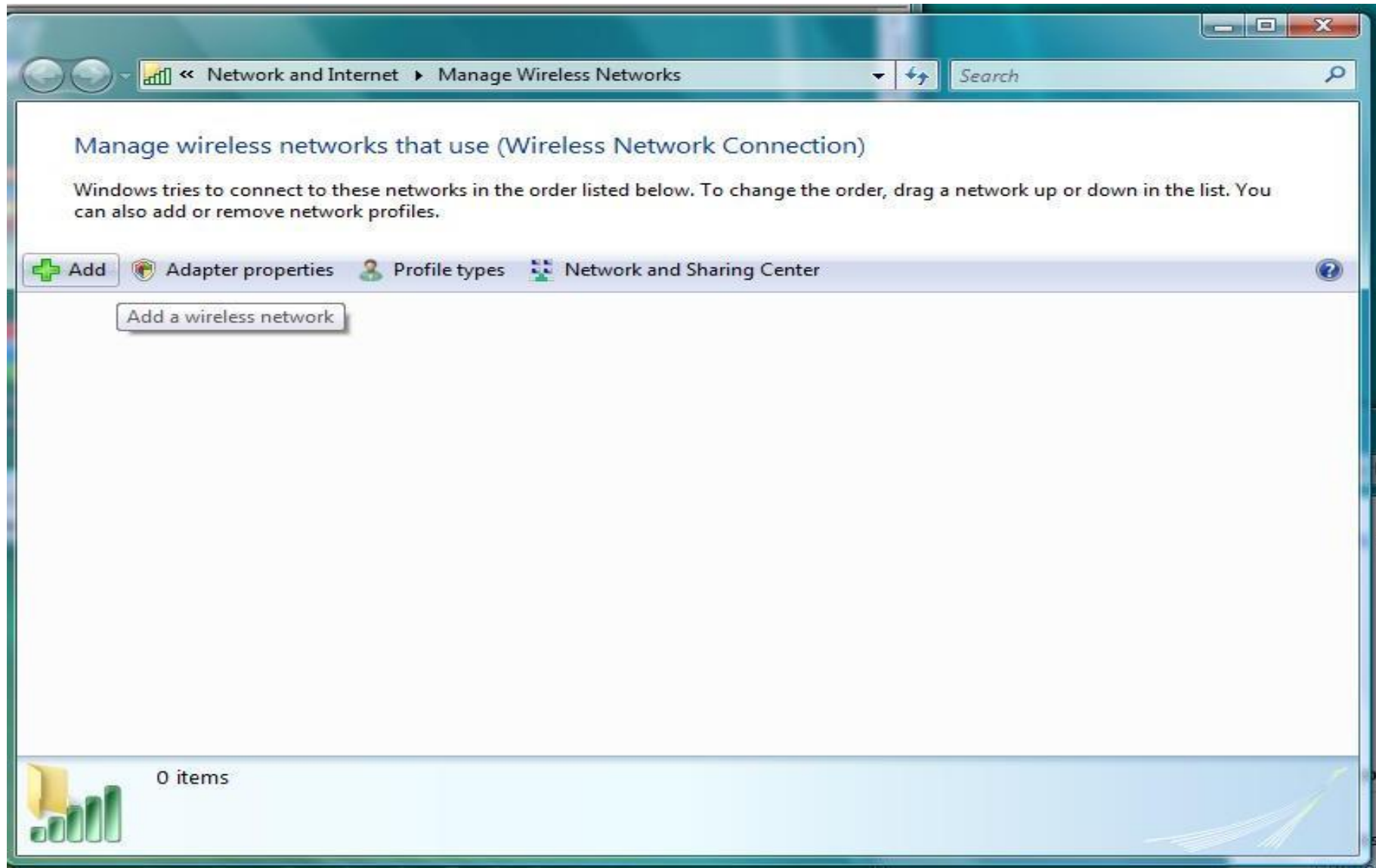
# Configuration

- Select **“Manage wireless networks”**.



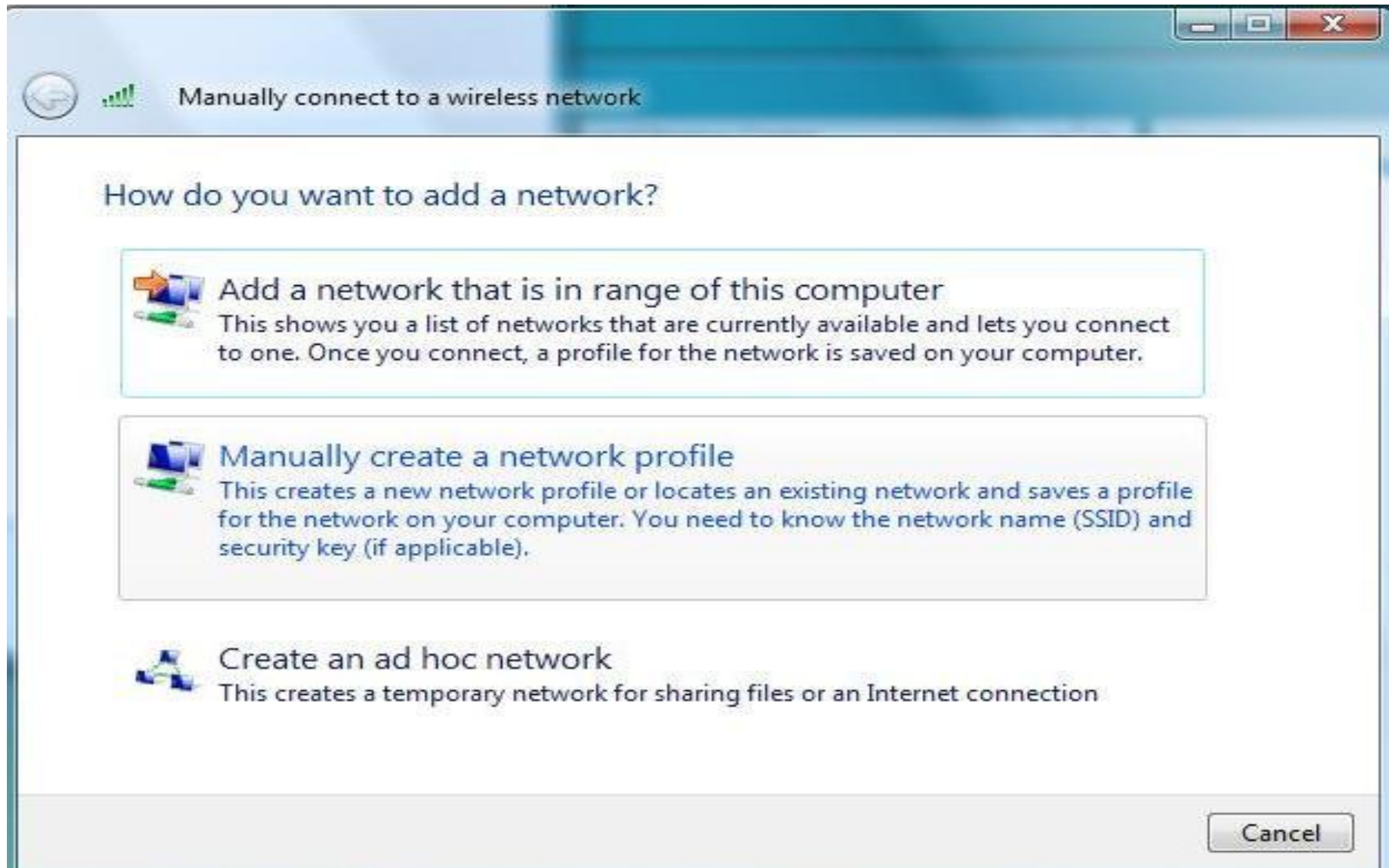
# Configuration

- Click on **“Add”** tab.



# Configuration

- Click **"Manually create a network profile"**.





# Configuration

- Network name :- “ iitk-sec ”
- Security type :- “WPA2-Enterprise”
- Encryption type :- “ AES or TKIP ”
- Then click on “Next”.

A screenshot of a Windows Network Setup Wizard window titled "Manually connect to a wireless network". The window has a blue header bar with a back arrow icon and a signal strength indicator. The main content area is white and contains the instruction "Enter information for the wireless network you want to add". Below this, there are four input fields: "Network name" with the text "iitk-sec", "Security type" with a dropdown menu showing "WPA2-Enterprise", "Encryption type" with a dropdown menu showing "AES", and "Security Key/Passphrase" with an empty text box. To the right of the "Security Key/Passphrase" field is a checkbox labeled "Display characters". Below these fields are two checkboxes: "Start this connection automatically" (checked) and "Connect even if the network is not broadcasting" (unchecked). Below the second checkbox is a warning message: "Warning: If you select this option, your computer's privacy might be at risk." At the bottom right of the window are two buttons: "Next" and "Cancel".

Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name: iitk-sec

Security type: WPA2-Enterprise

Encryption type: AES

Security Key/Passphrase: ☐ Display characters

☒ Start this connection automatically

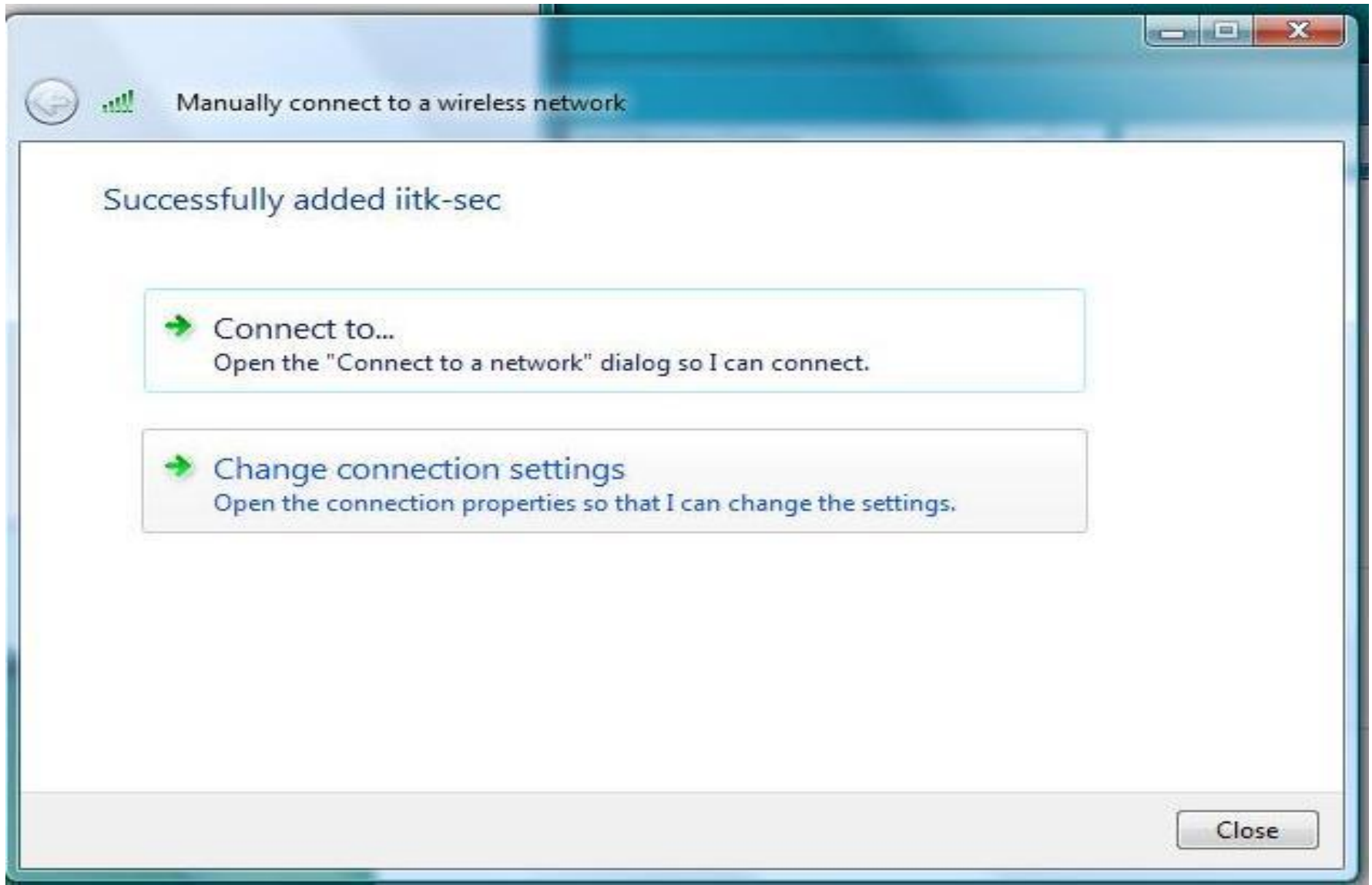
☐ Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

Next Cancel

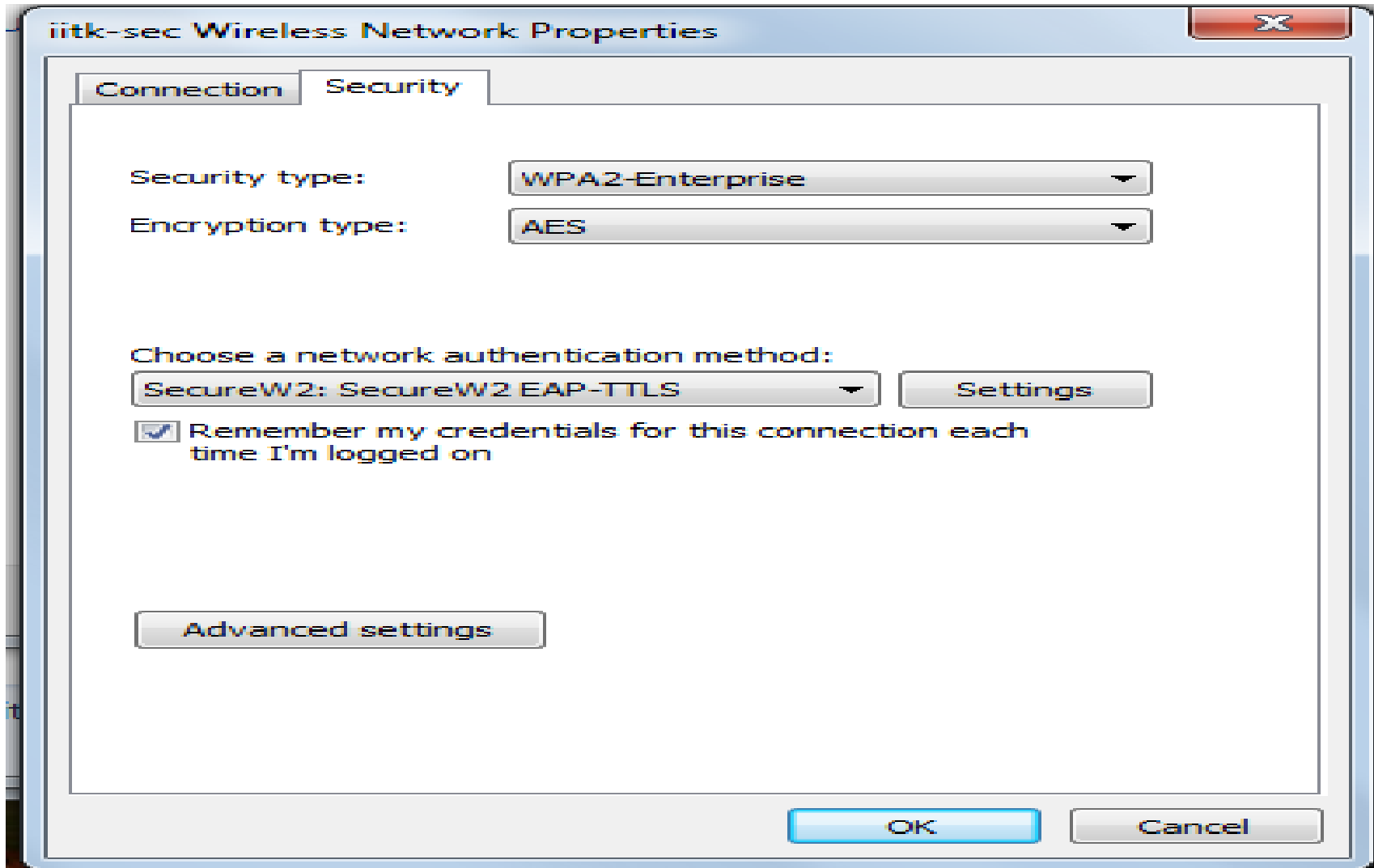
# Configuration

- Click **"Change connection settings"**.



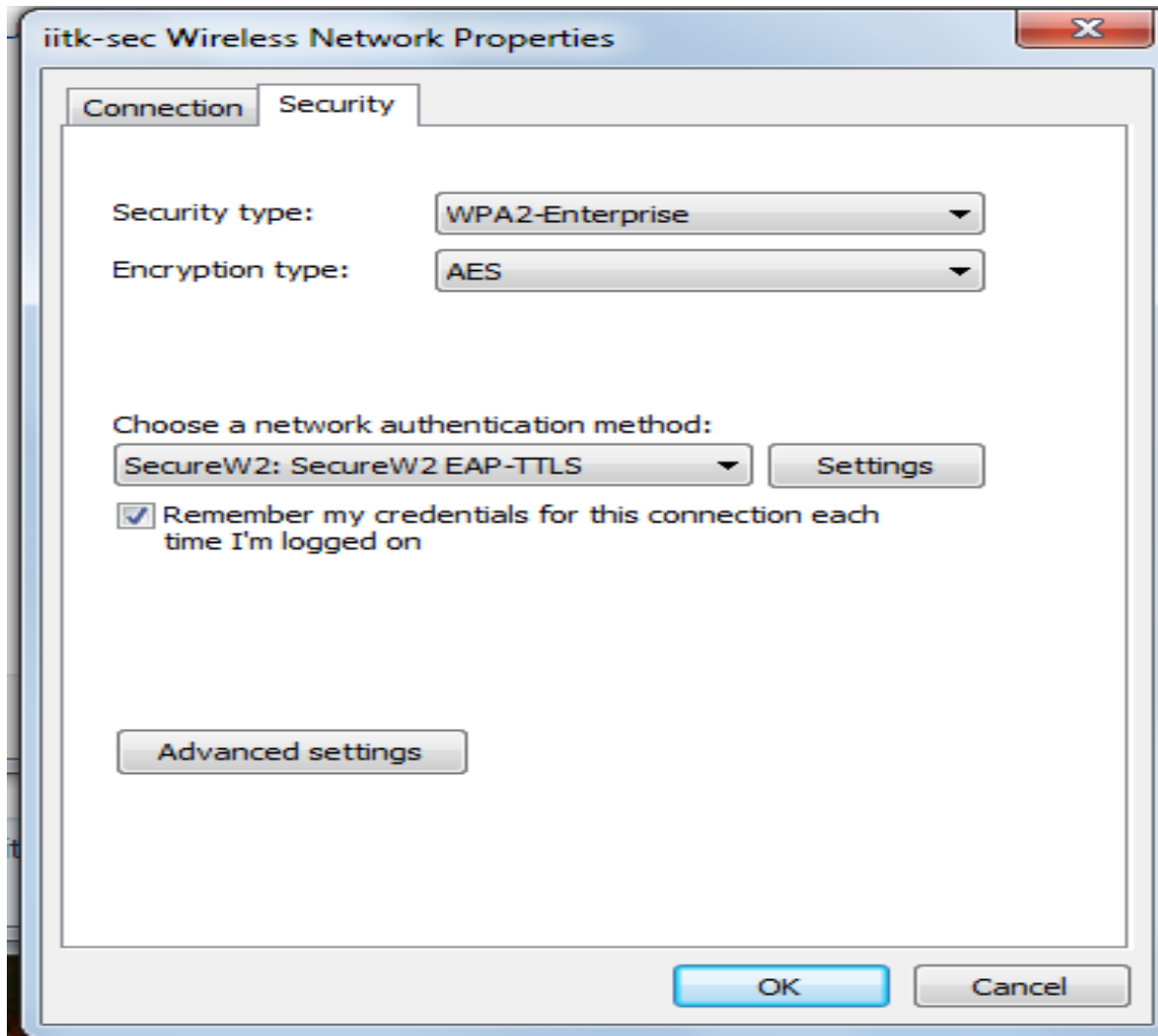
# Configuration

- Select **“Security”** tab
- Select **“ Secure w2 EAP-TTLS ”** authentication method.



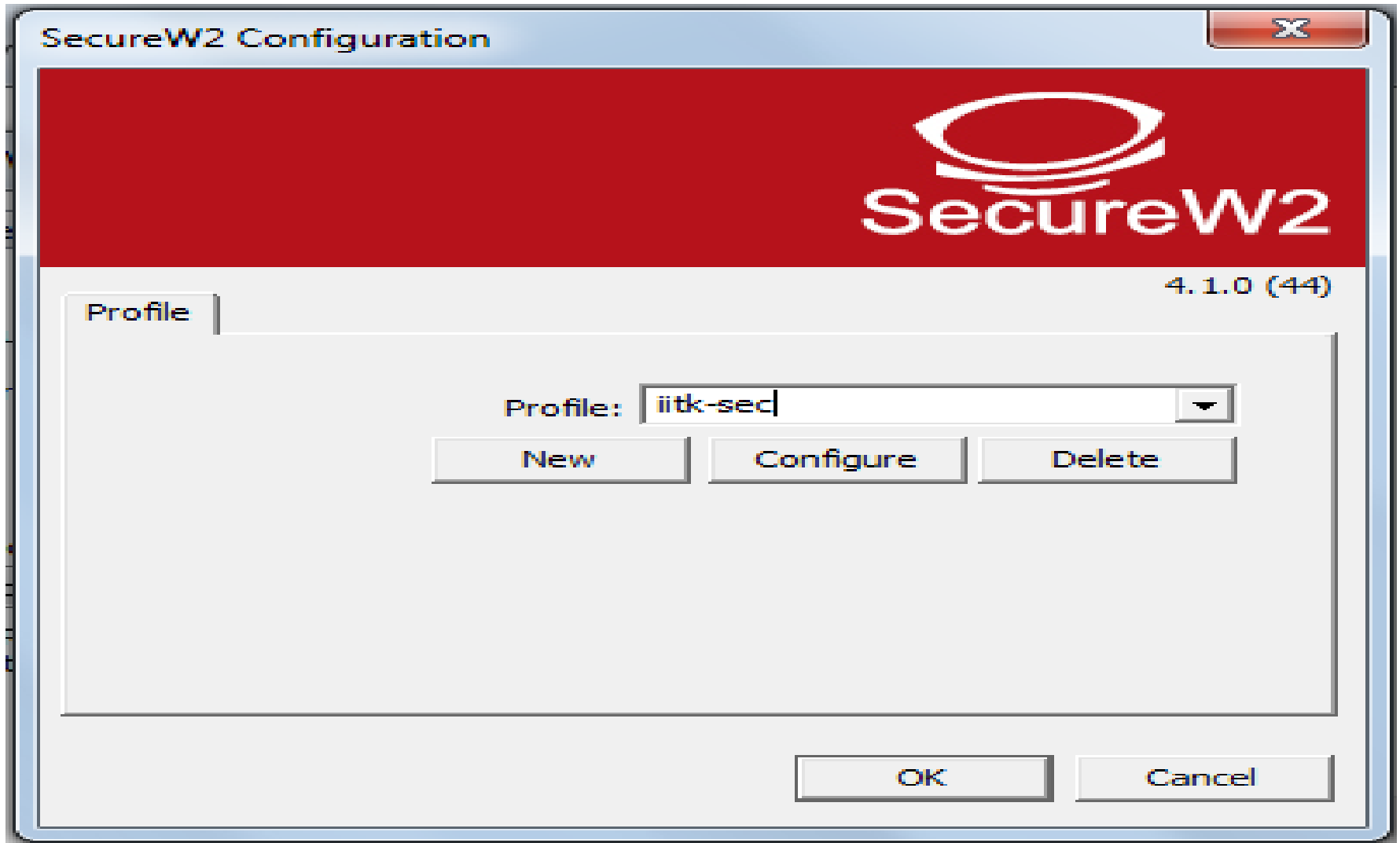
# Configuration

- Click on “**Settings**” Button.



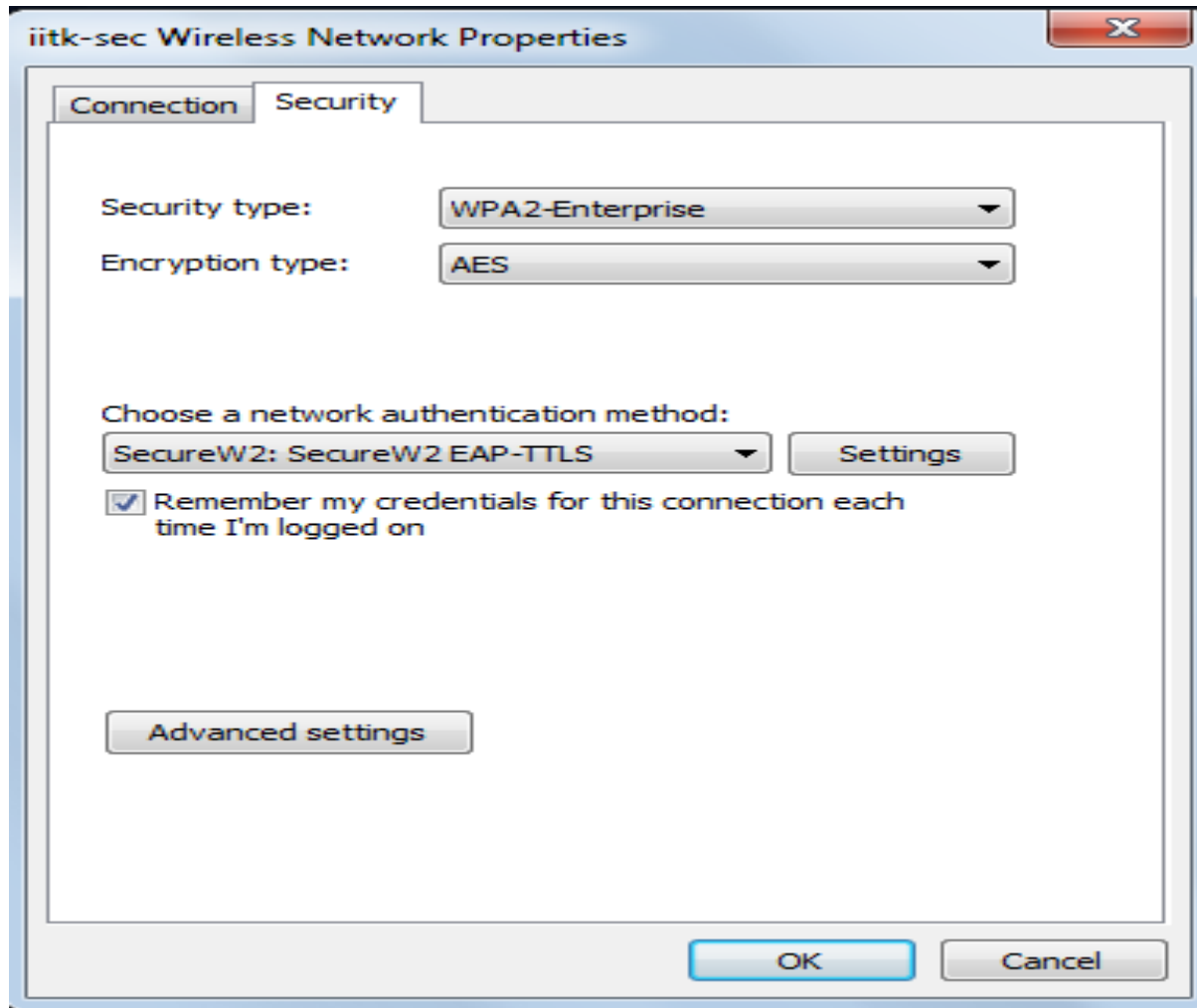
# Configuration

- Select predefined Profile “ **iitk-sec** ” and then “ **OK** ”.



# Configuration

- Click “OK”.



# Connecting to Secure Wireless (iitk-sec) on Windows7

# Installation

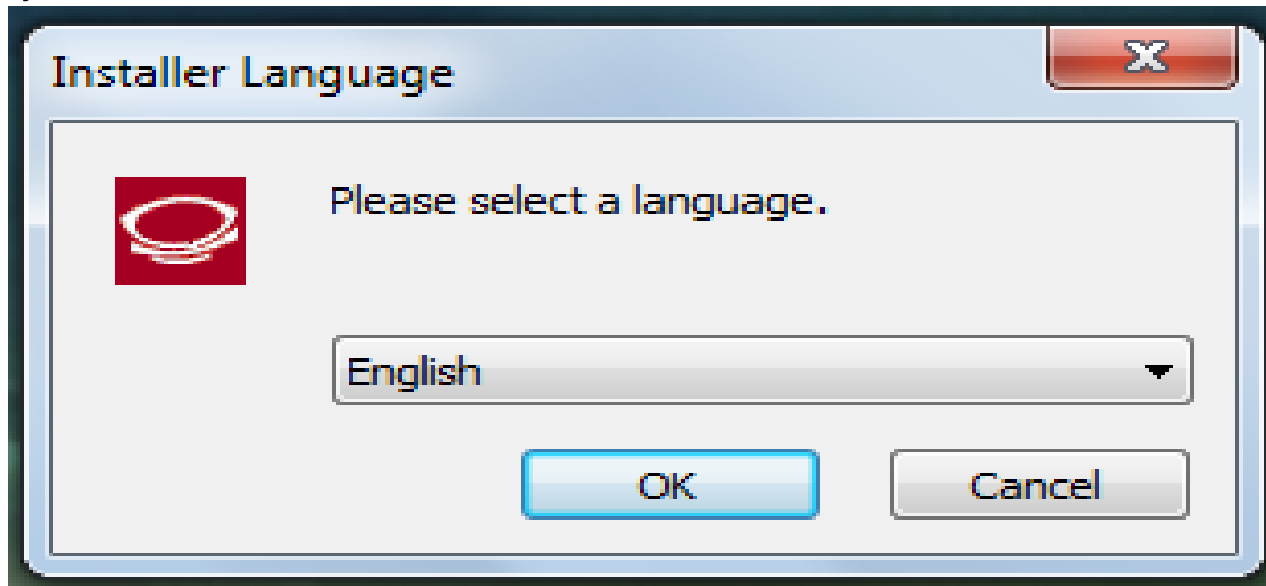
- Download “SecureW2” client from this given link

[http://www.iitk.ac.in/cc/UIC\\_SecureW2.exe](http://www.iitk.ac.in/cc/UIC_SecureW2.exe)



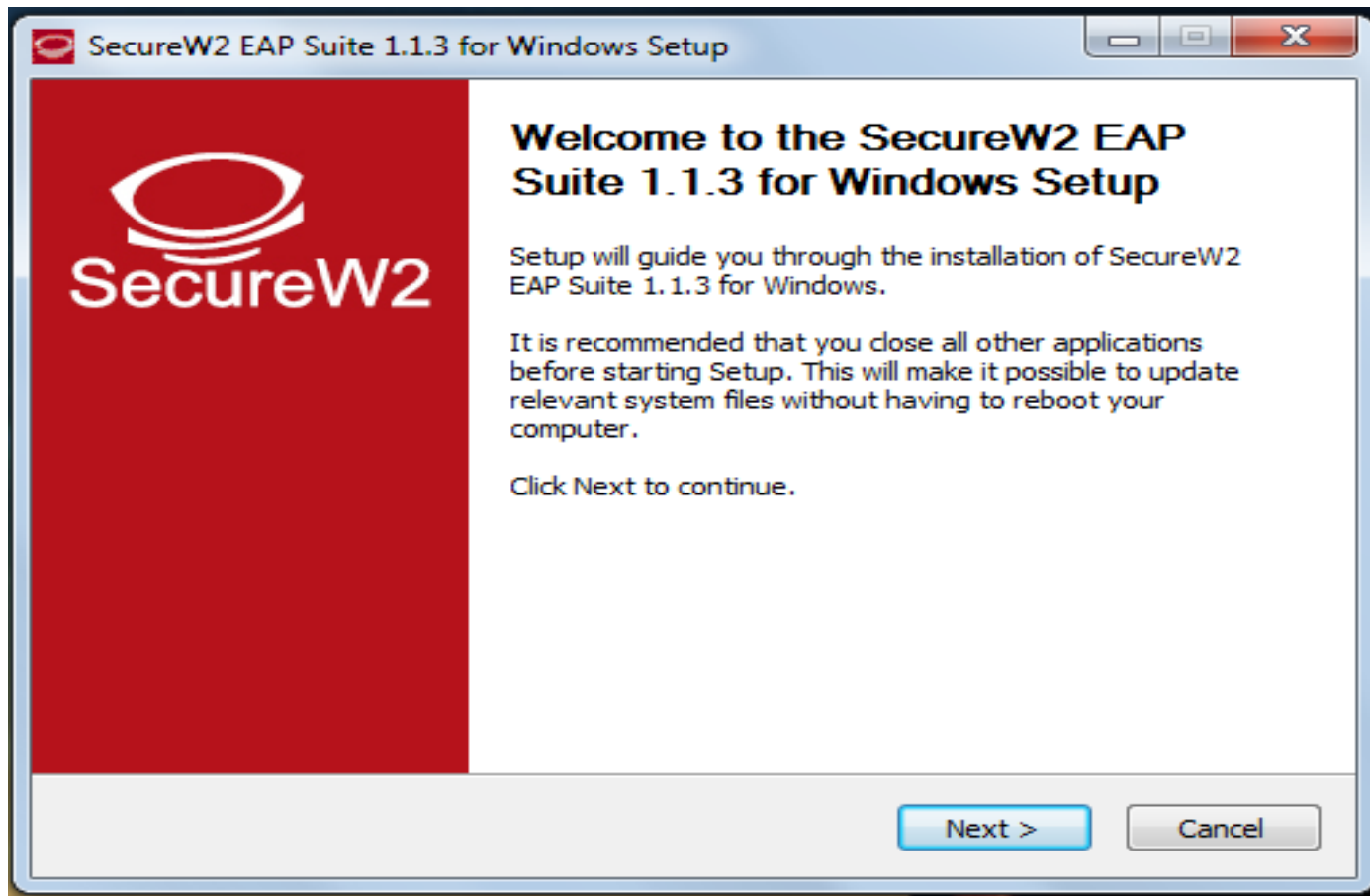
# Installation Continues...

- Start Setup "UIC\_SecureW2" by double click, then Click "OK".



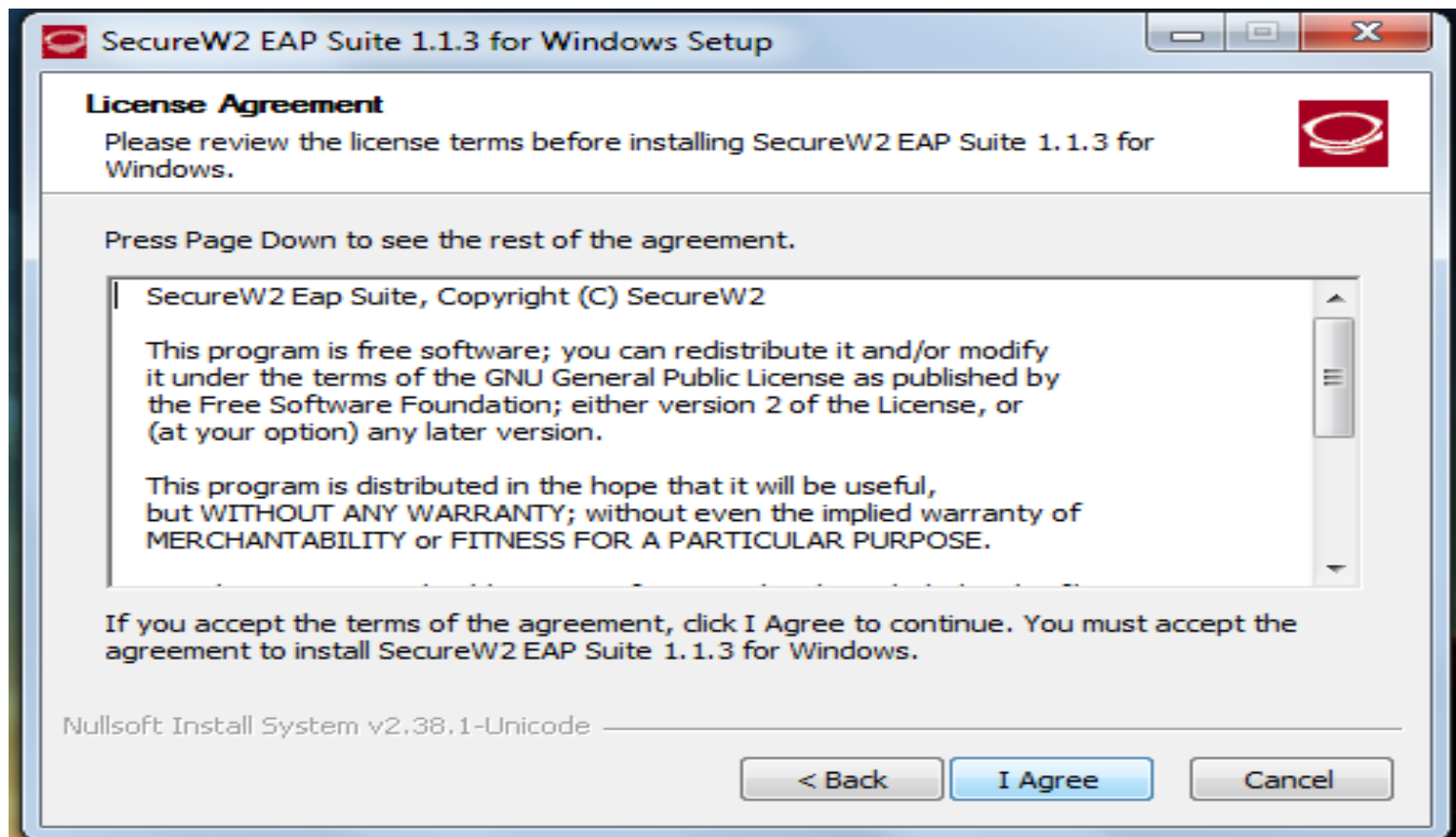
# Installation Continues...

- Click “Next”.



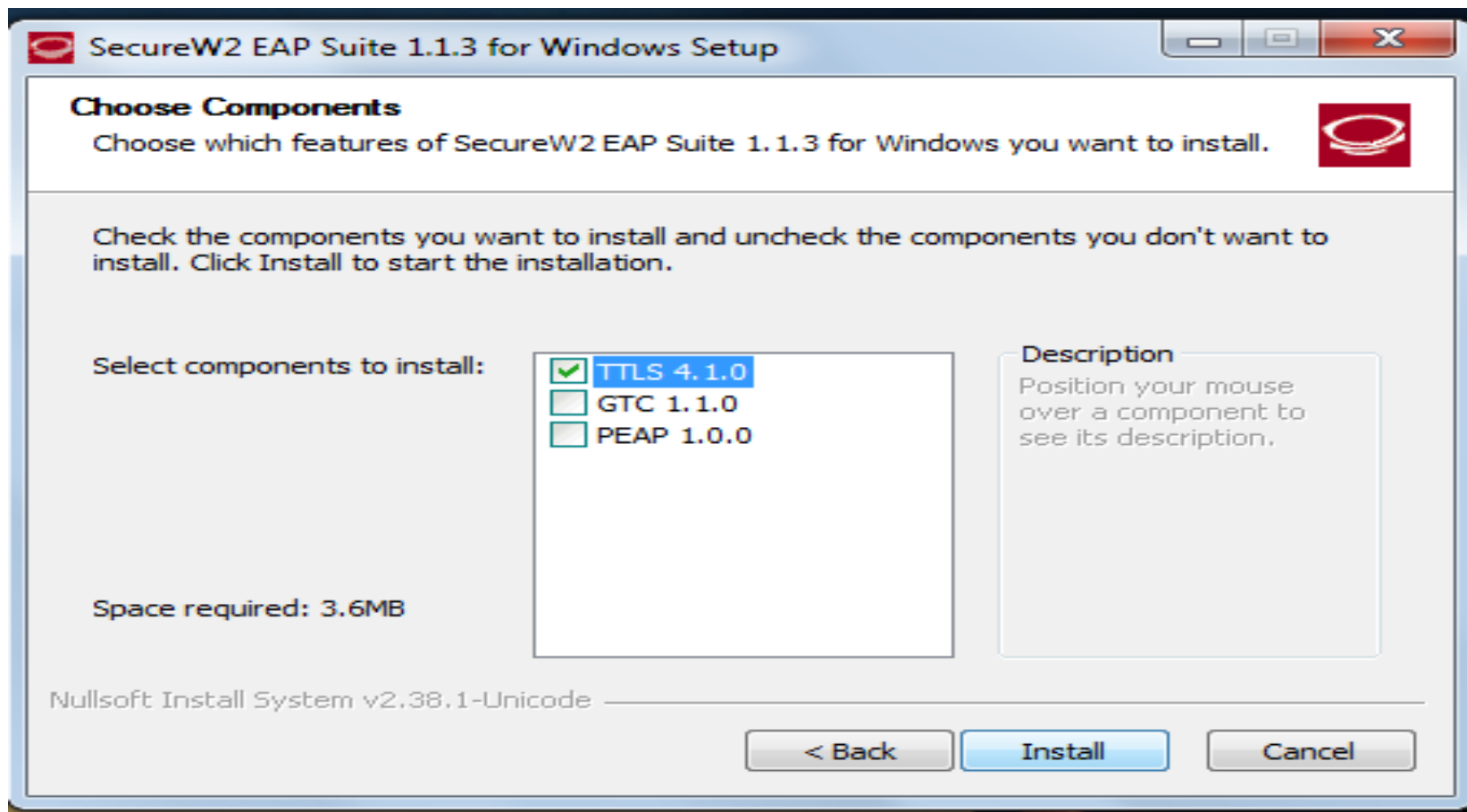
# Installation Continues...

- Click “I Agree”.



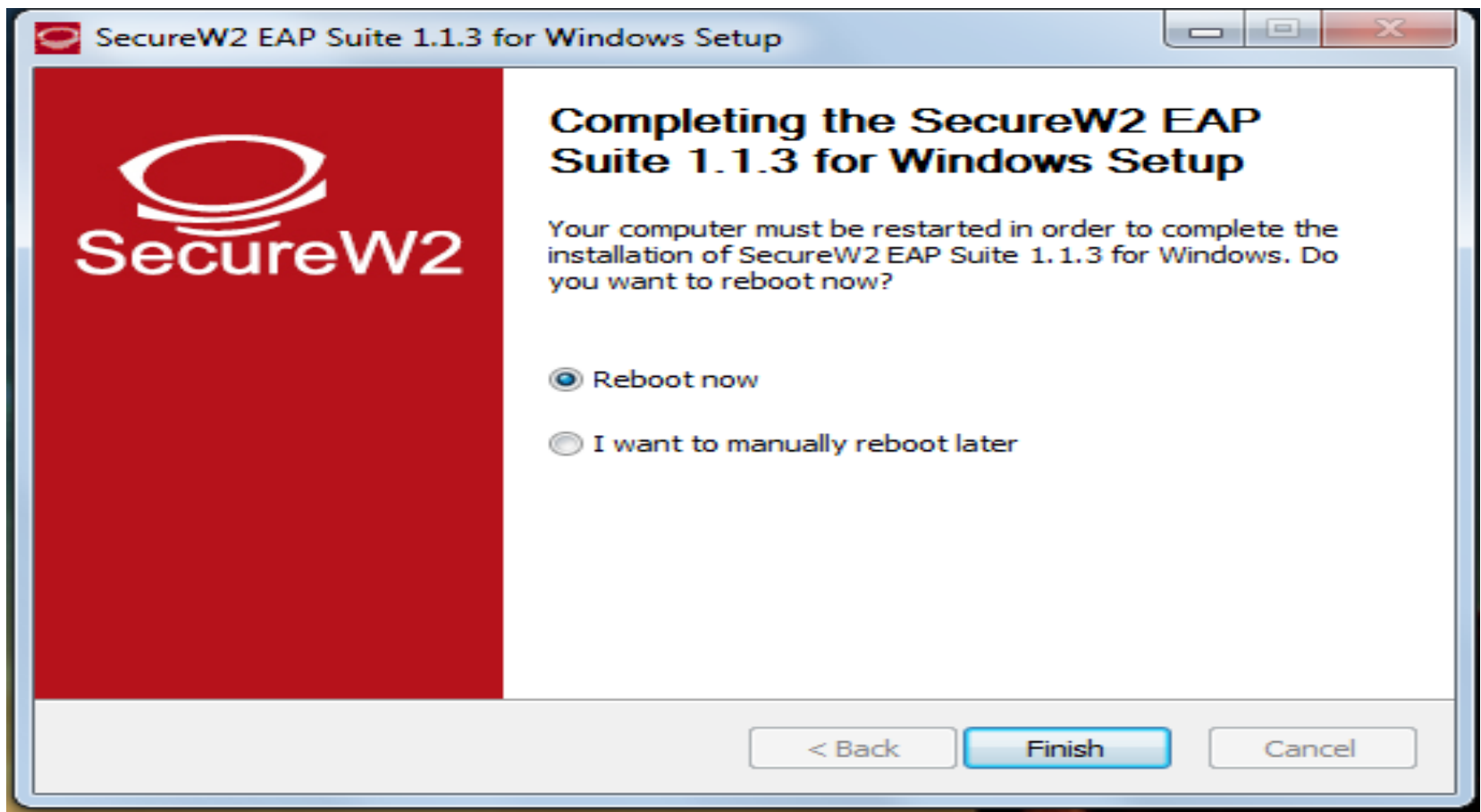
# Installation Continues...

- Select “TTLS” and click on “Install”.



# Installation Continues...

- Click on “Finish”.



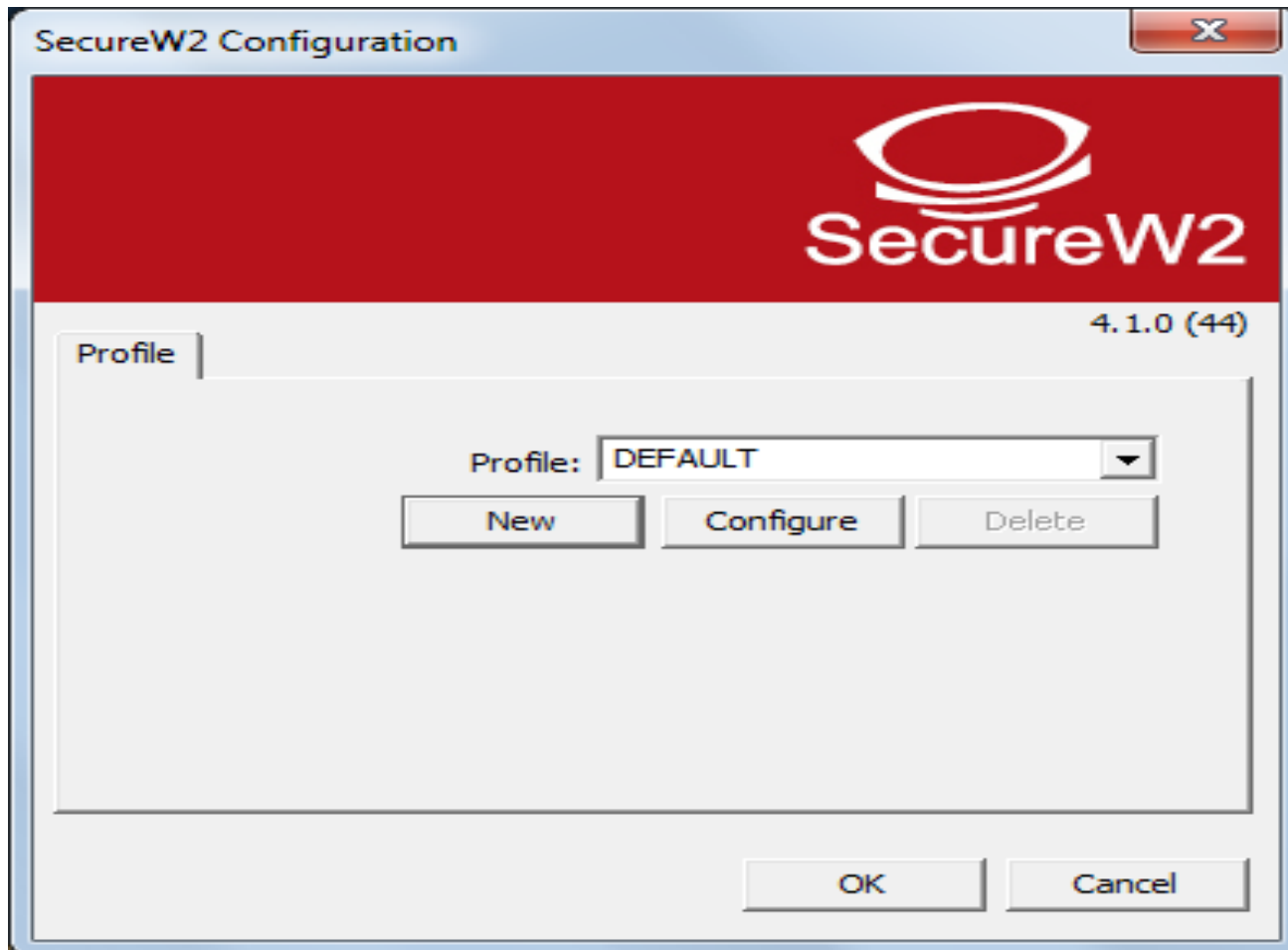
# Configuration

- Start “TTLs-Manager” from Desktop.



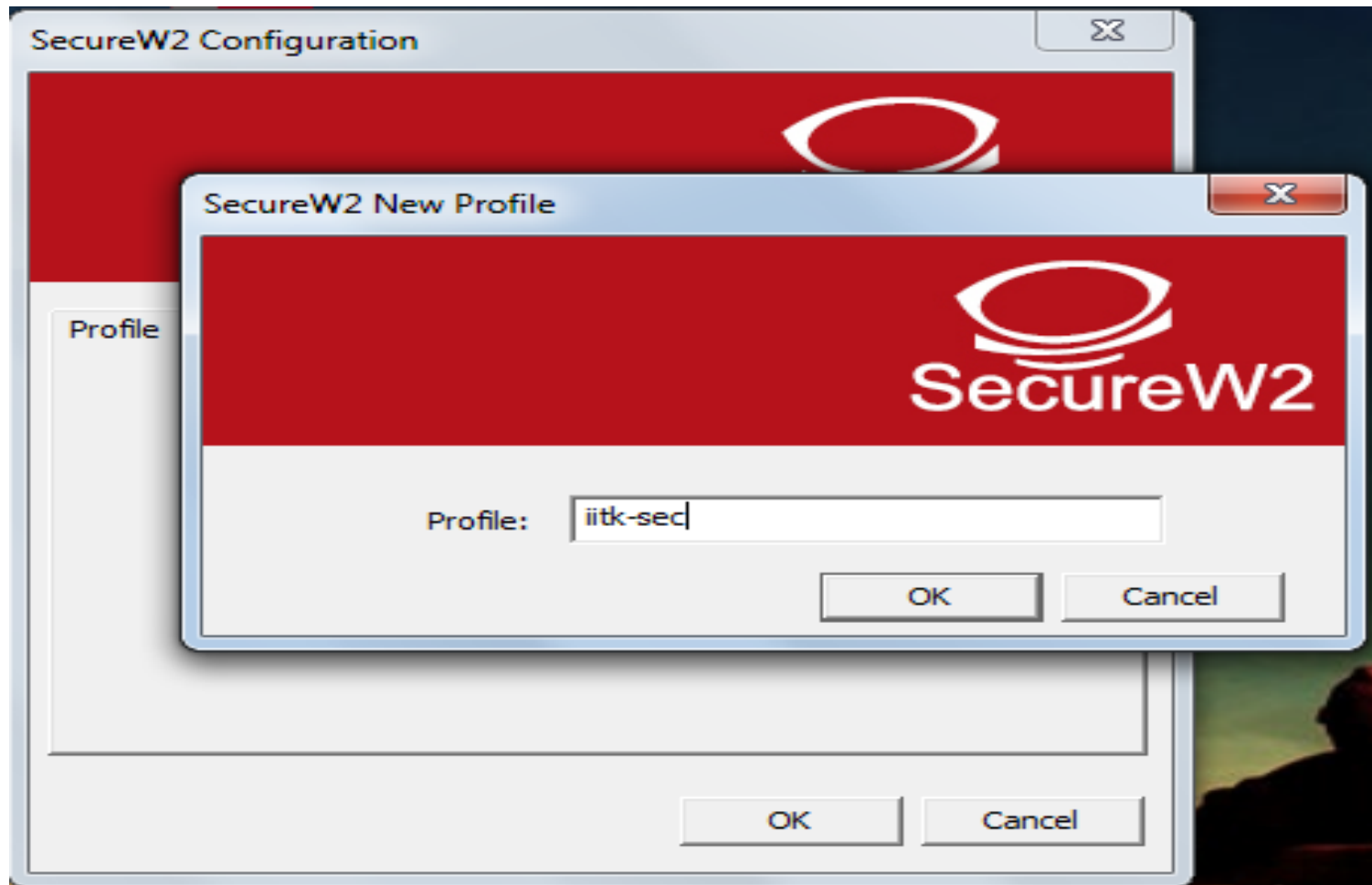
# Configuration

- Click on “New” Button.



# Configuration

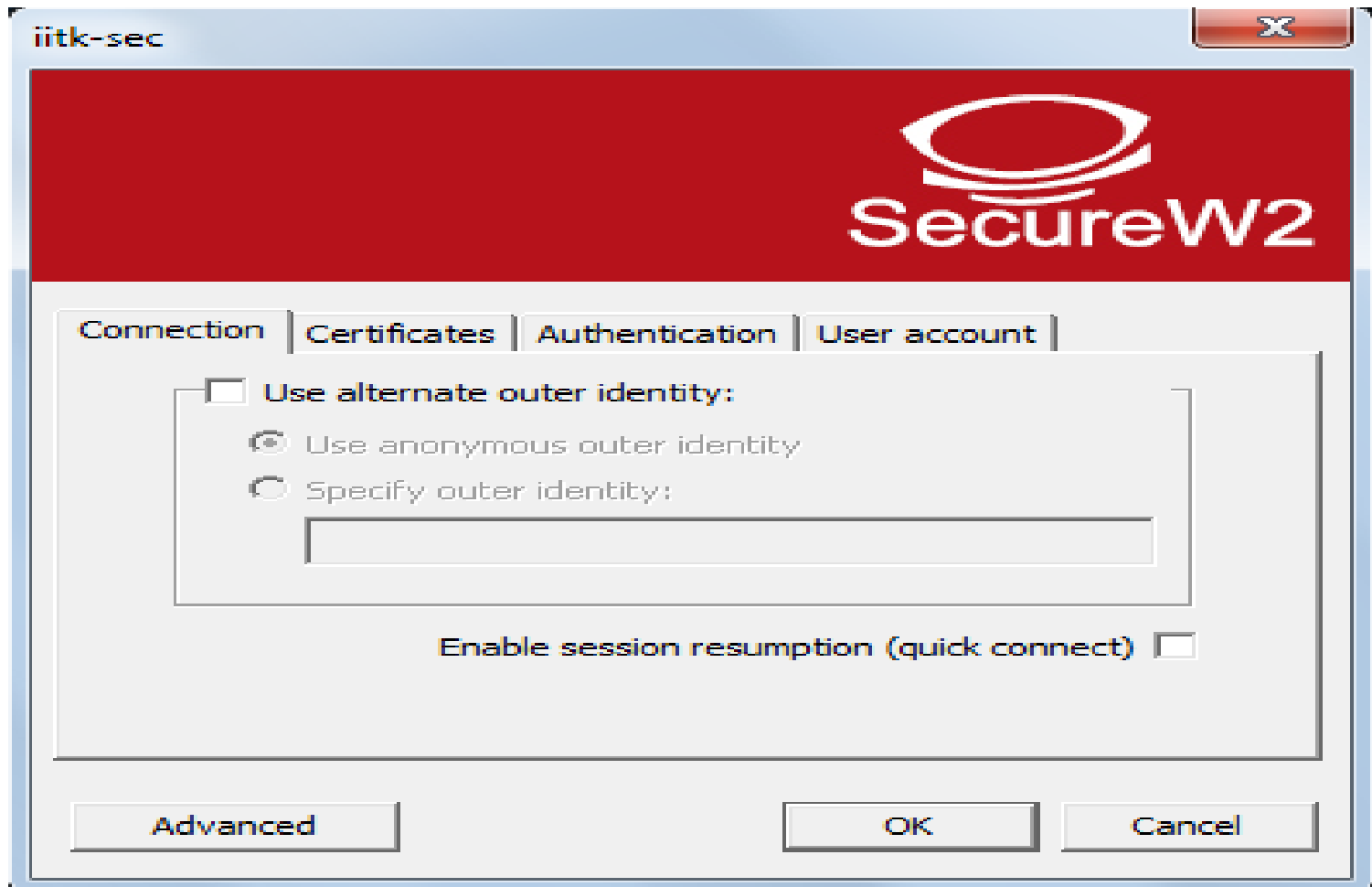
- Create Profile “iitk-sec” and click “OK”.





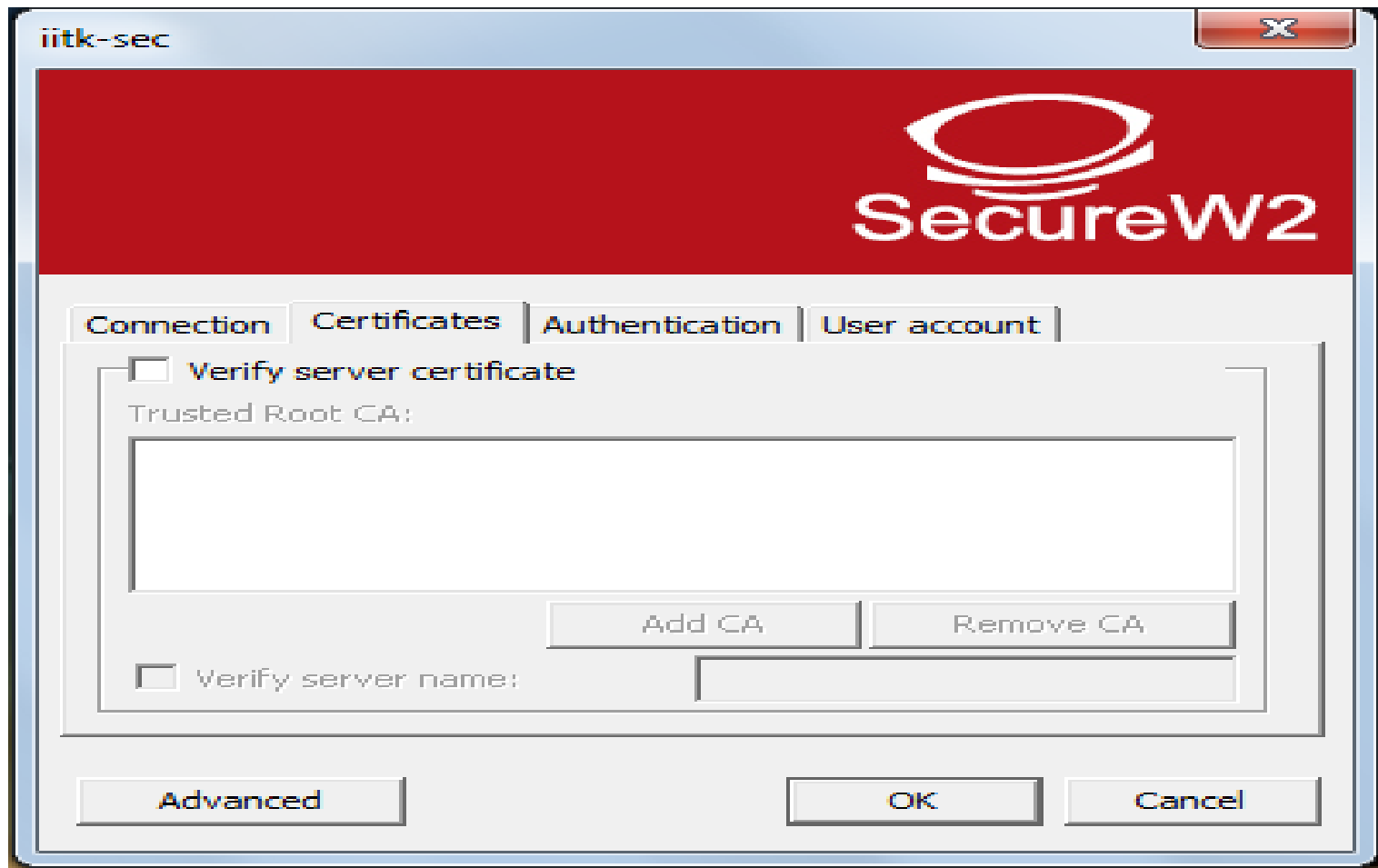
# Configuration

- Uncheck "Use alternate outer identity:".



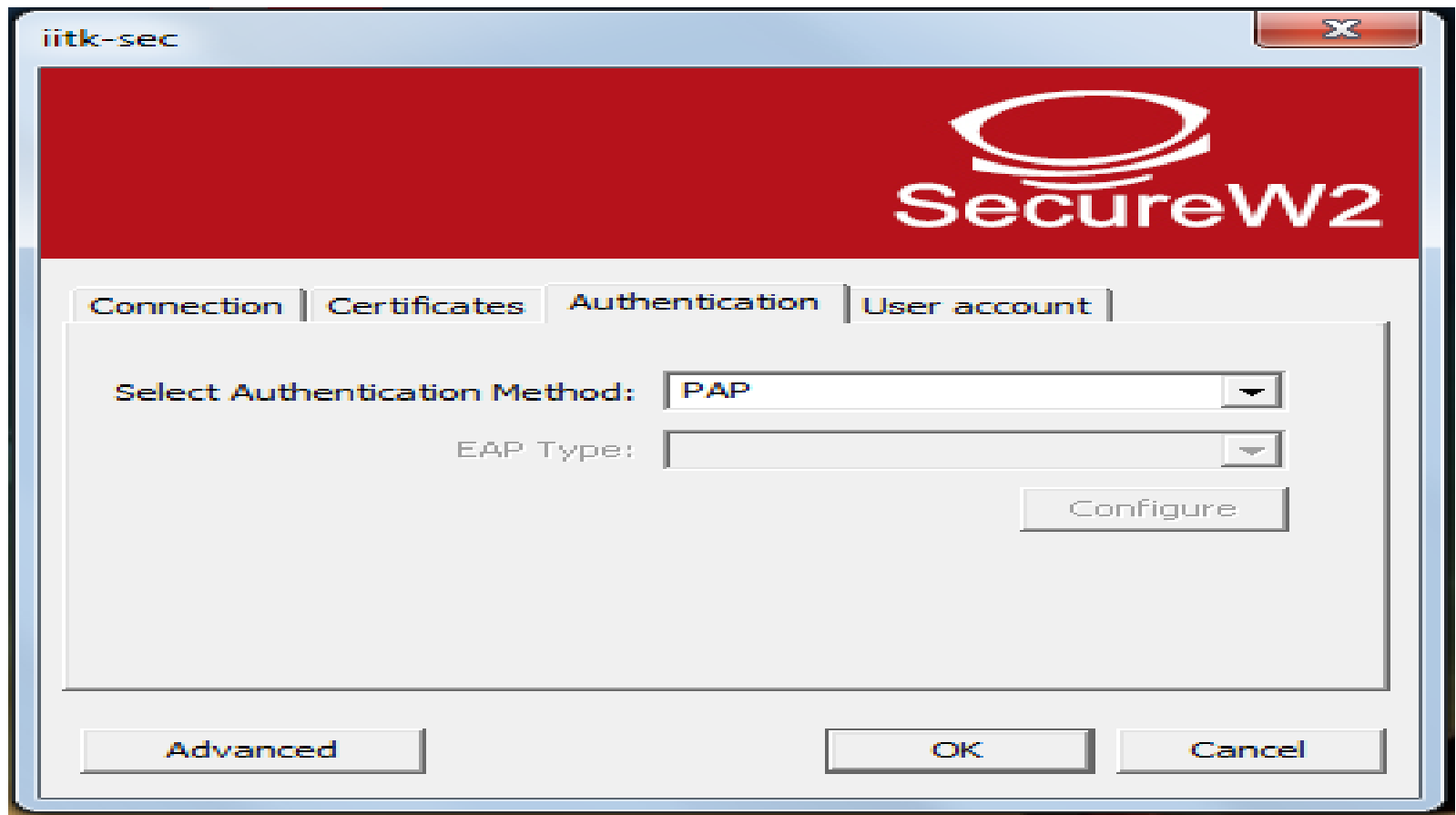
# Configuration

- Click on “Certificates” tab and uncheck “Verify server certificate”.



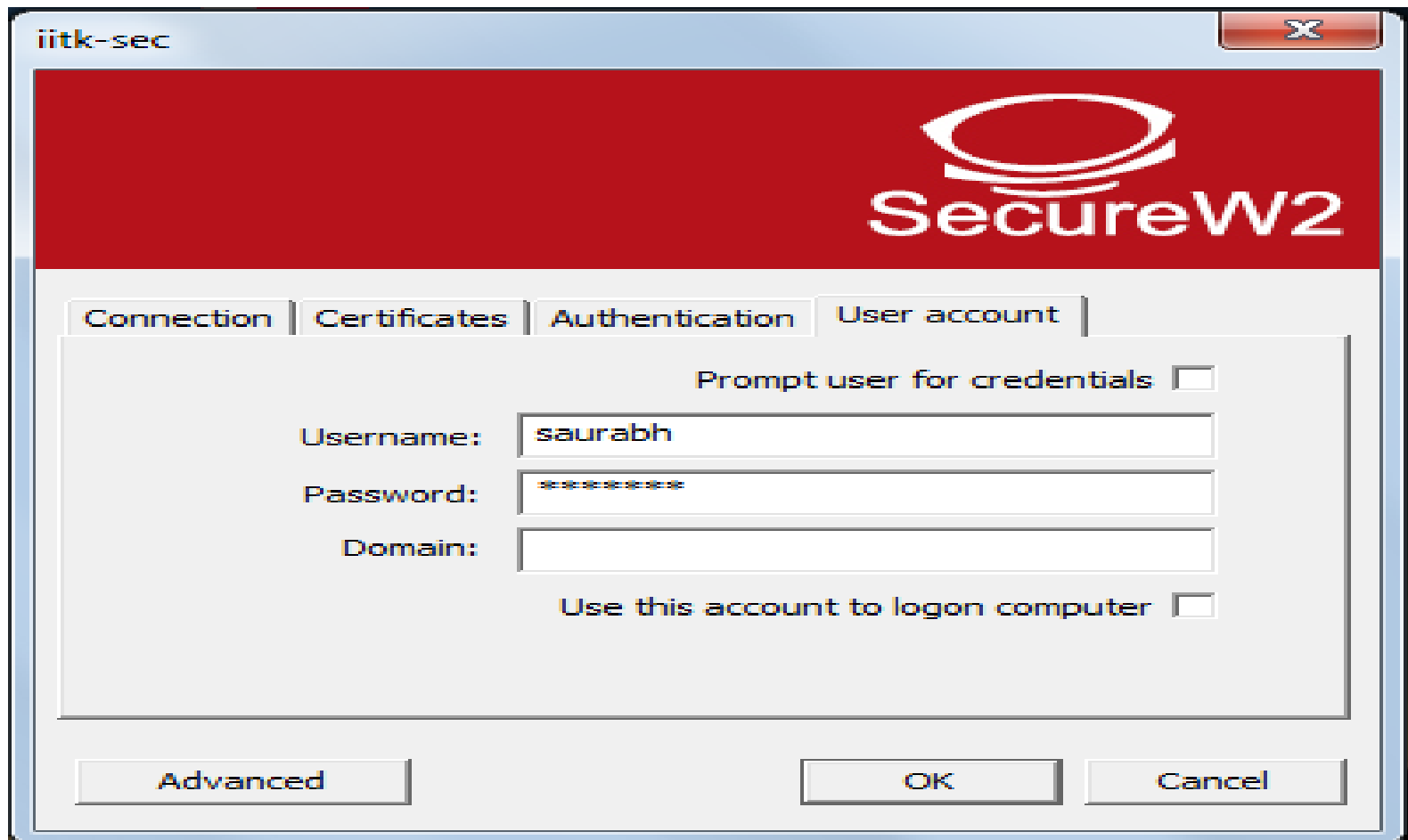
# Configuration

- Click on “Authentication” Tab and make sure that “Select Authentication Method: PAP”.



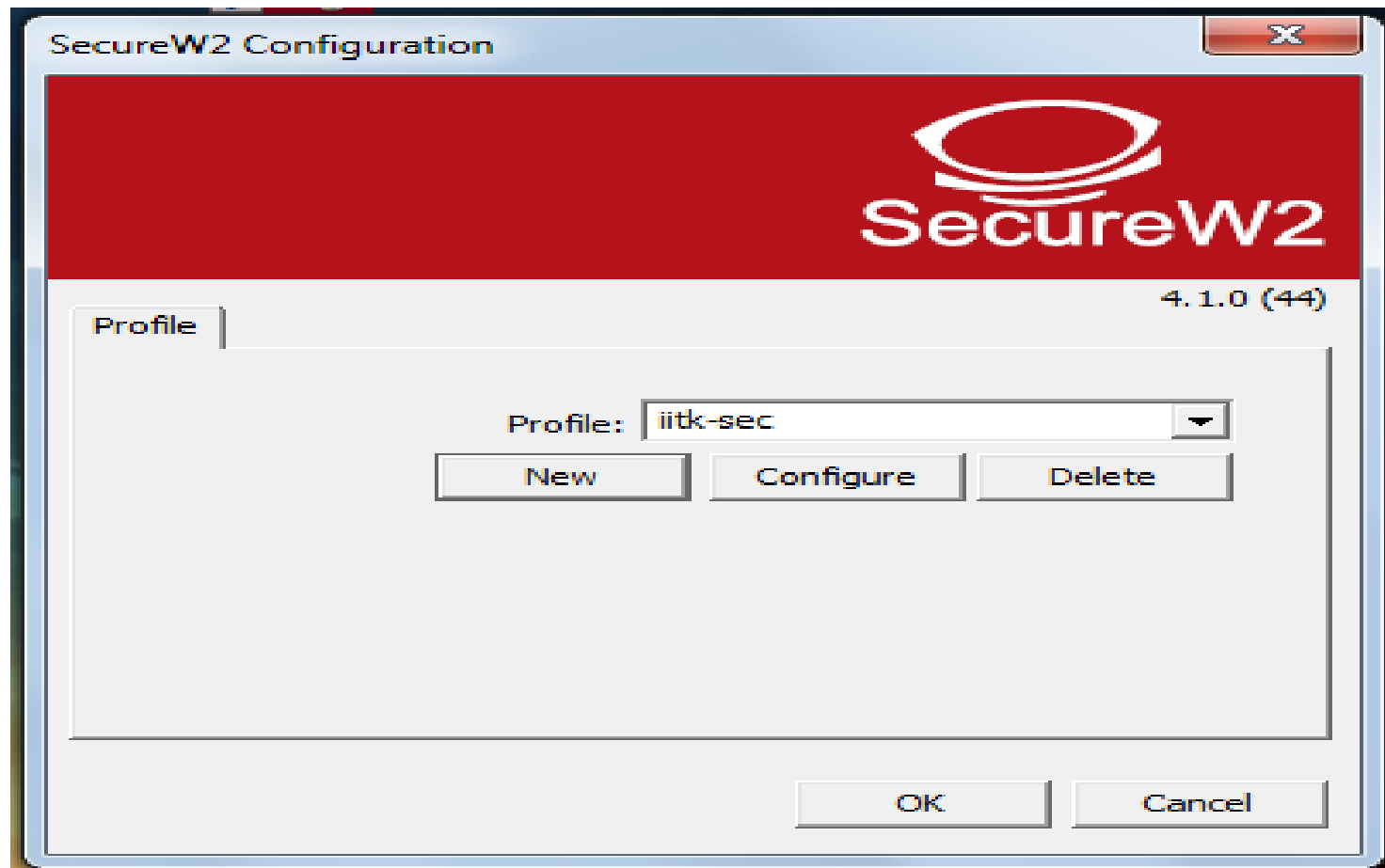
# Configuration

- Click on **“User account”** tab and uncheck **“prompt user for credentials”**, Put your Username: and Password: (As you normally use on proxy), Click **“OK”**.



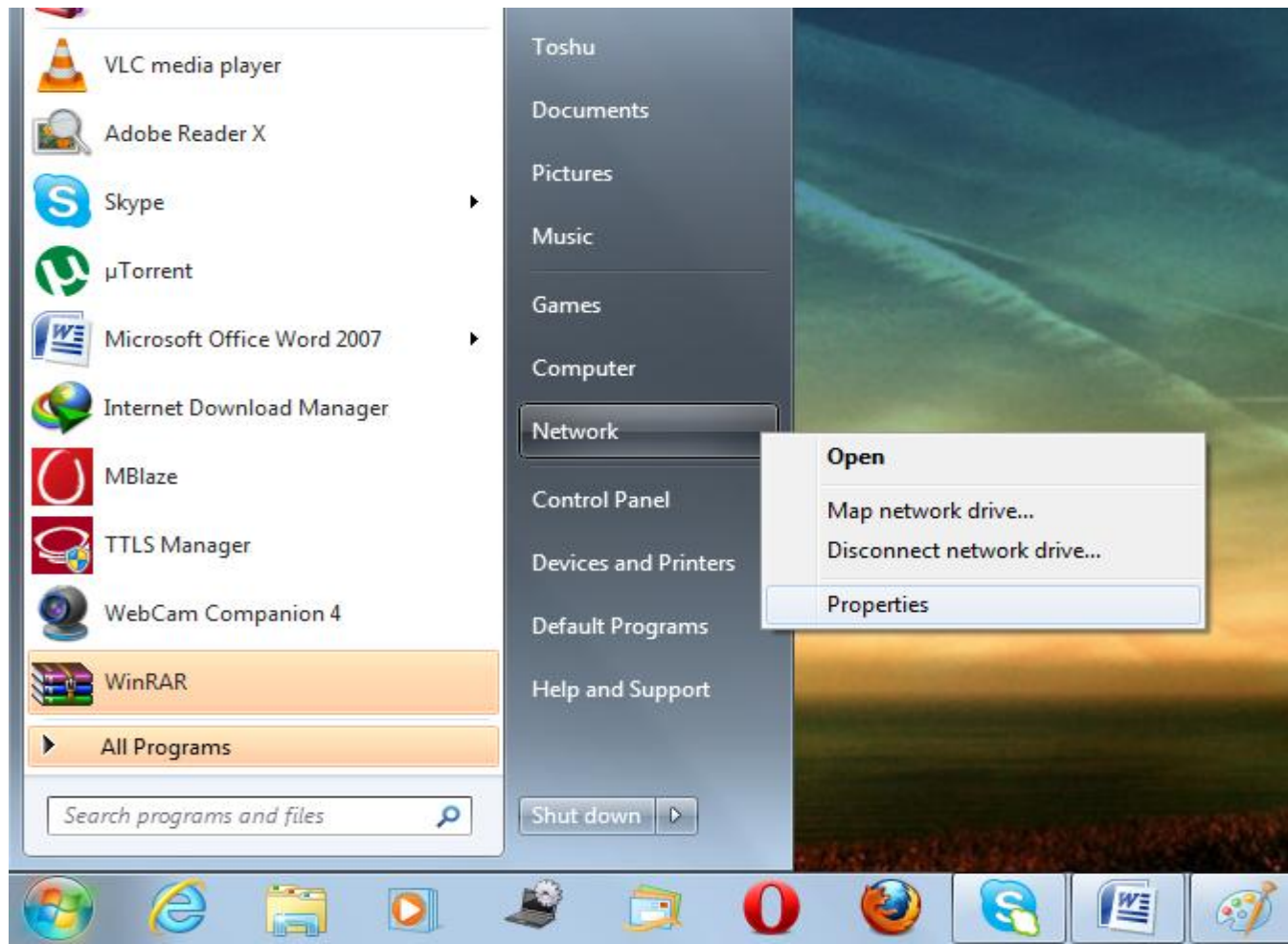
# Configuration

- Click “OK”.



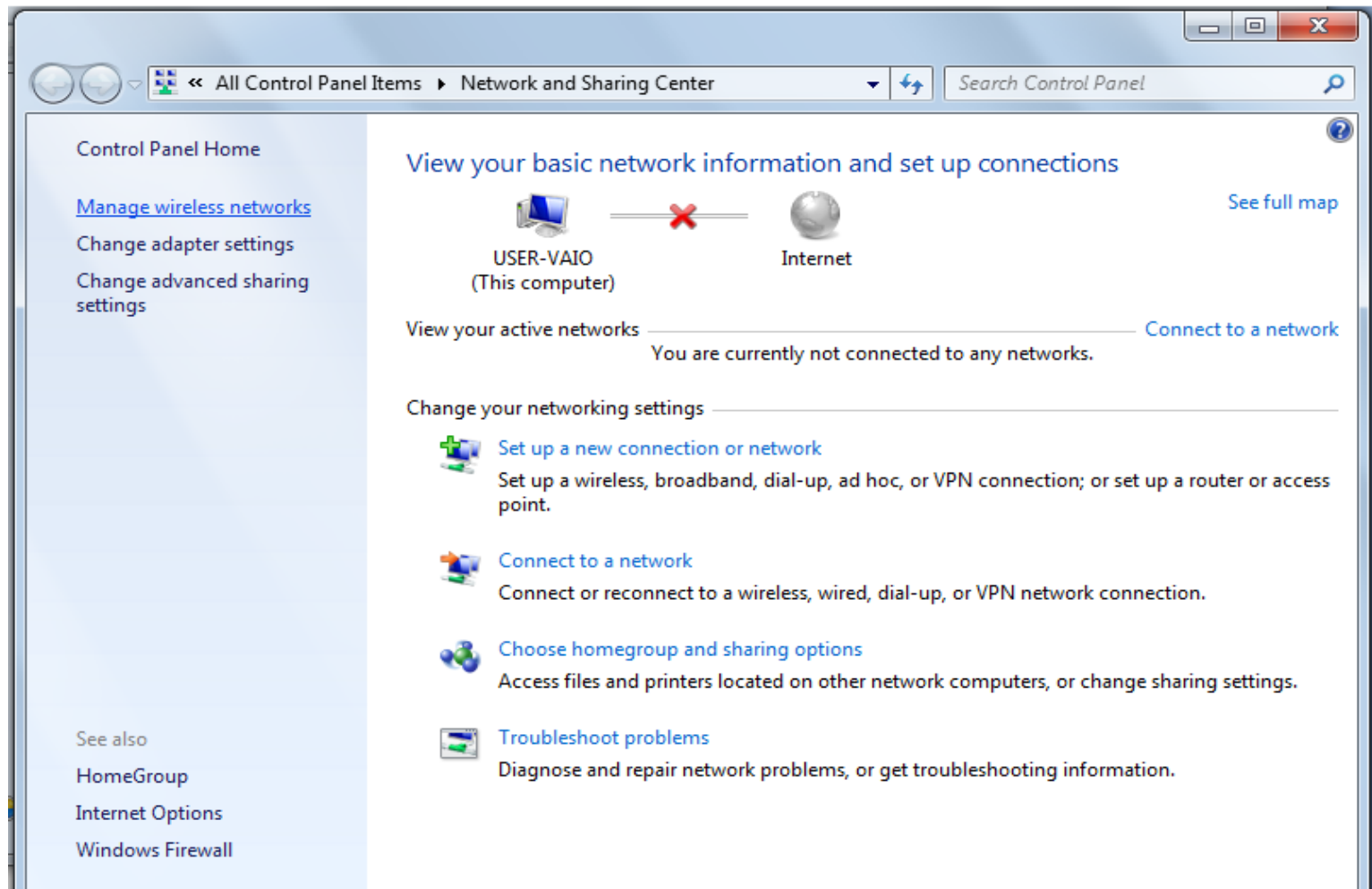
# Configuration

- Select “Network→ Properties”.



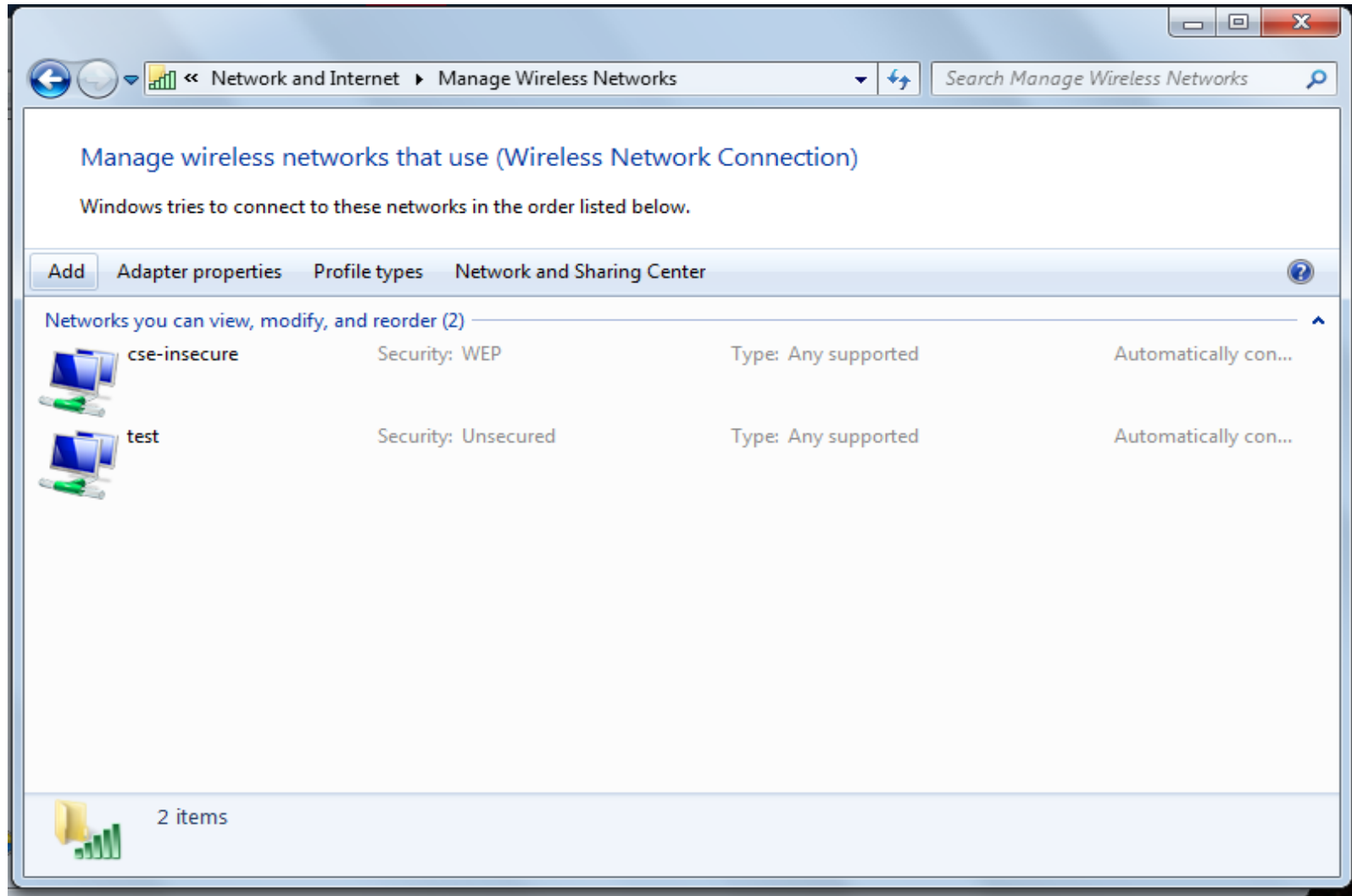
# Configuration

- Click on **“Manage wireless networks”**.



# Configuration

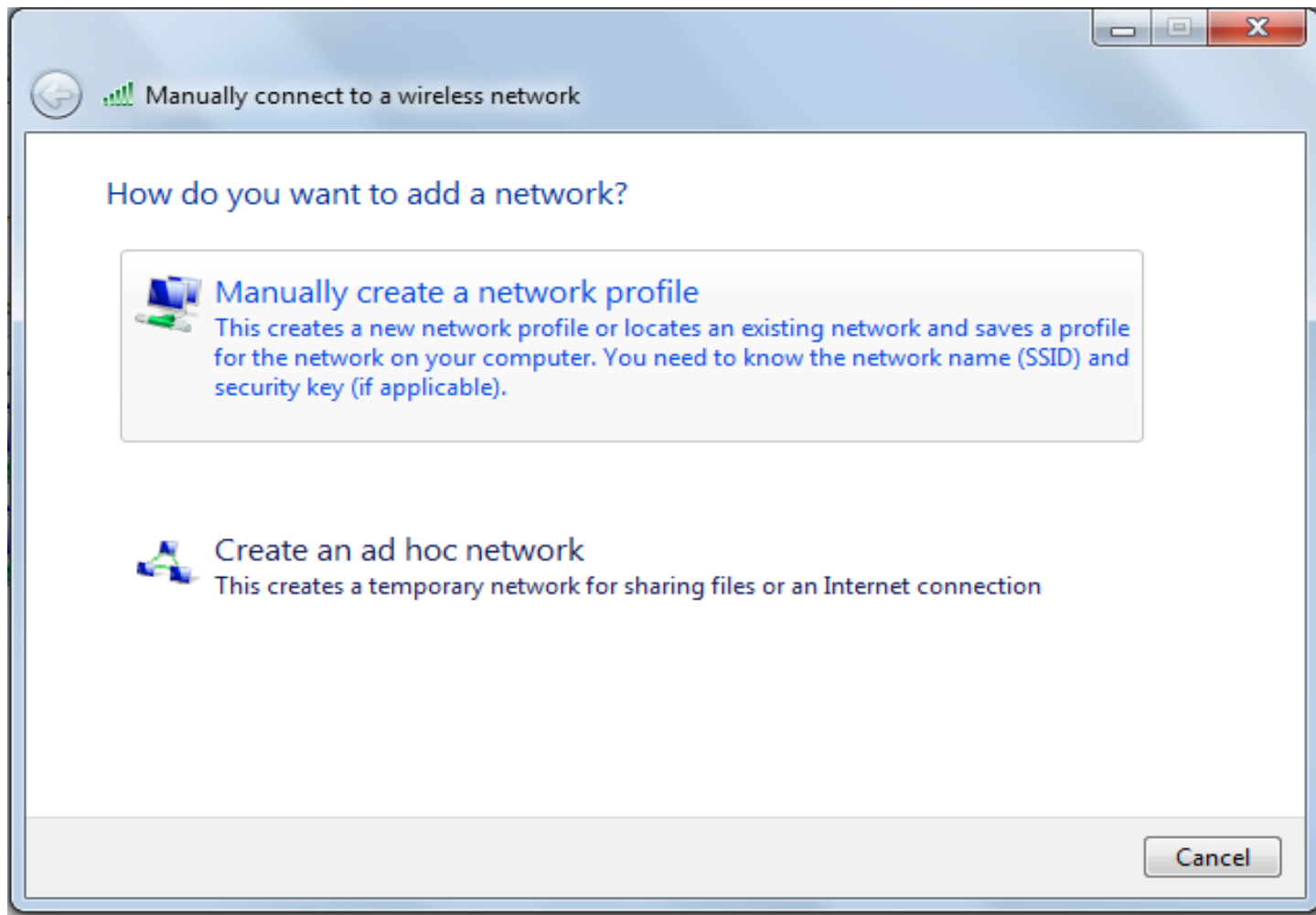
- Click on **“Add”** tab.





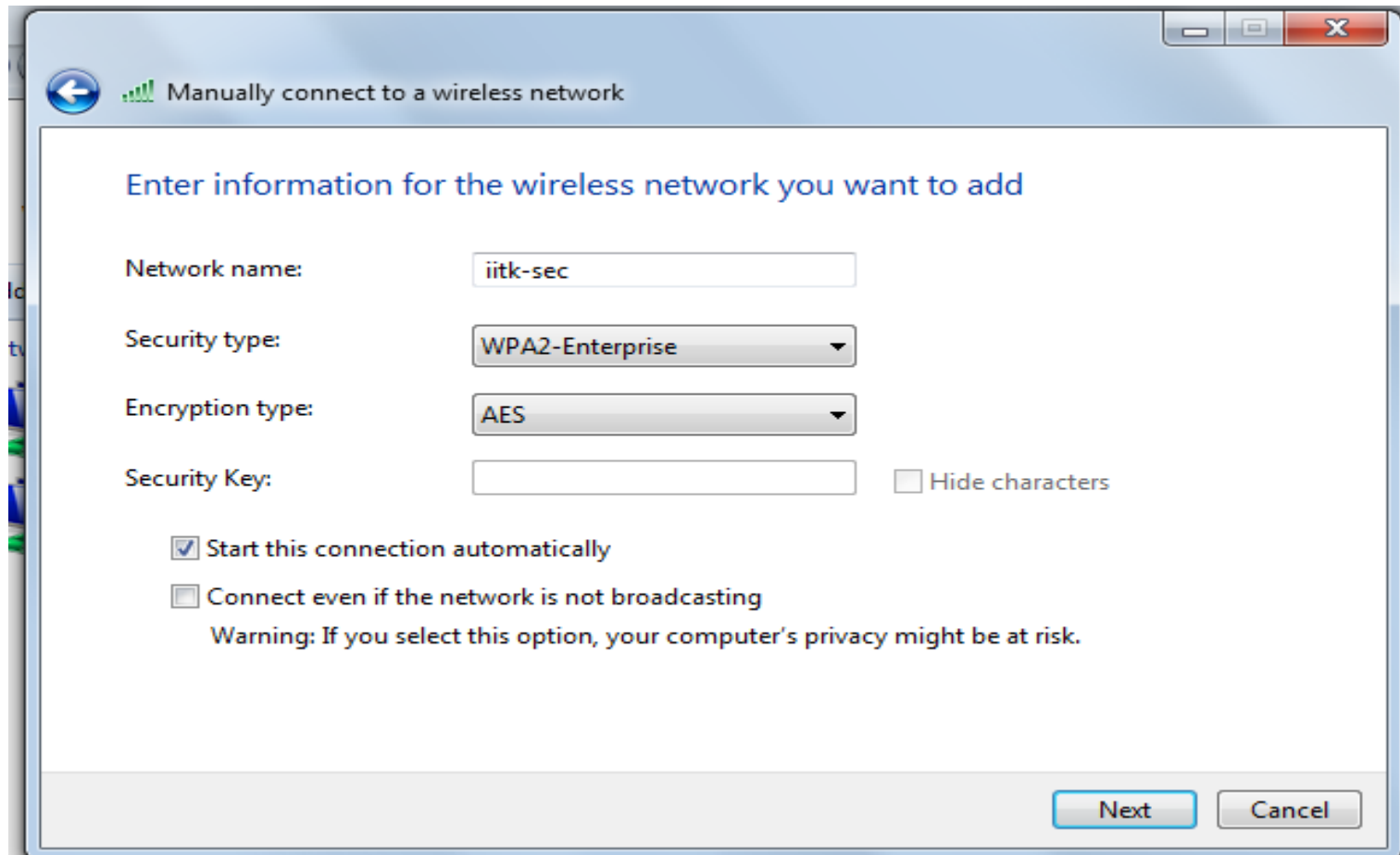
# Configuration

- Click **"Manually create a network profile"**.



# Configuration

- Network name :- “ iitk-sec ”
- Security type :- “WPA2-Enterprise”
- Encryption type :- “ AES or TKIP ”
- Then click on “Next”.



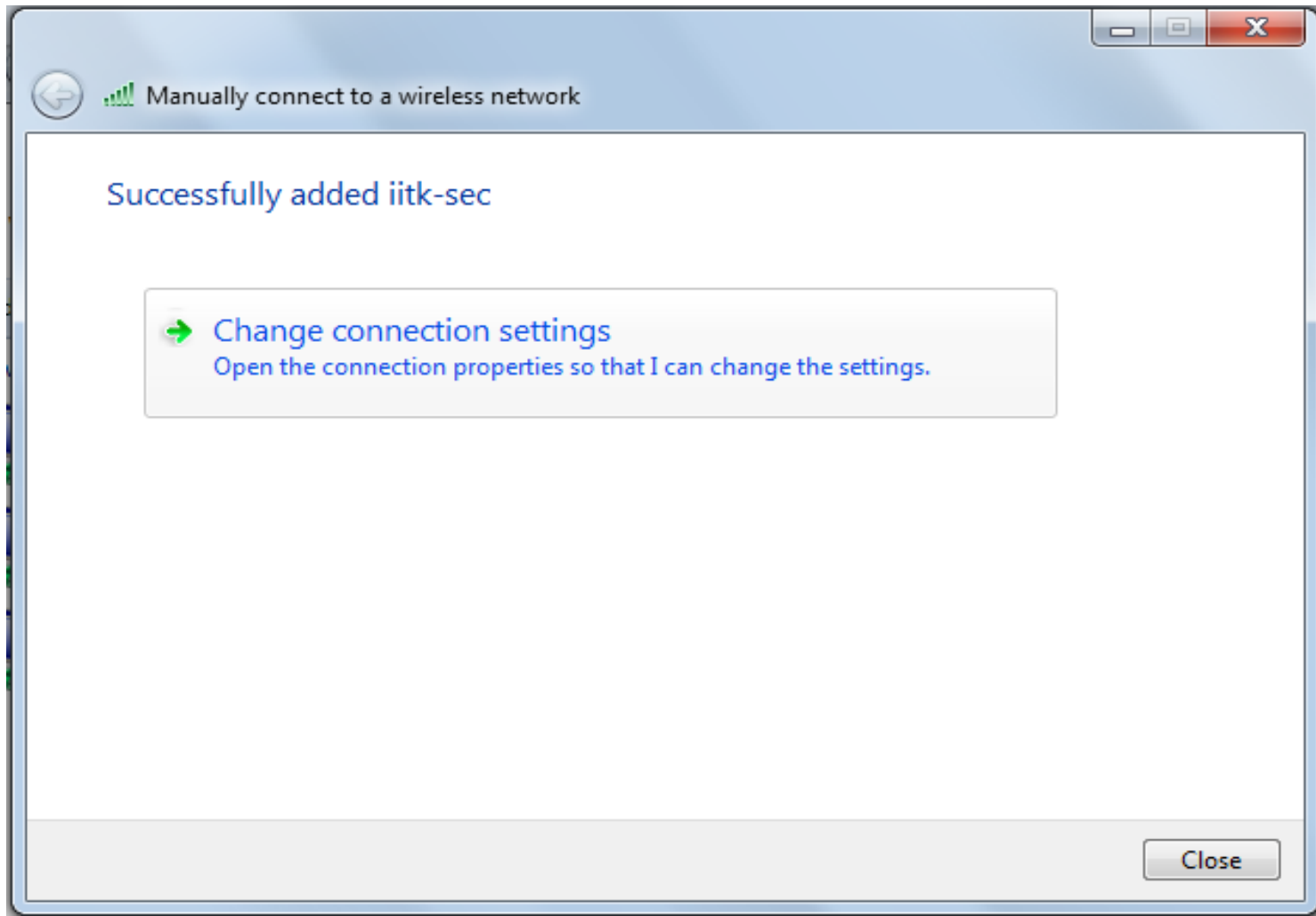
The screenshot shows a Windows Network Setup Wizard window titled "Manually connect to a wireless network". The window has a blue header bar with a back arrow icon and a signal strength indicator. The main content area is white and contains the following fields and options:

- Enter information for the wireless network you want to add**
- Network name:** A text box containing "iitk-sec".
- Security type:** A dropdown menu showing "WPA2-Enterprise".
- Encryption type:** A dropdown menu showing "AES".
- Security Key:** A text box (empty) and a checkbox labeled "Hide characters".
- ☒ **Start this connection automatically**
- ☐ **Connect even if the network is not broadcasting**
- Warning:** If you select this option, your computer's privacy might be at risk.

At the bottom right, there are two buttons: "Next" and "Cancel".

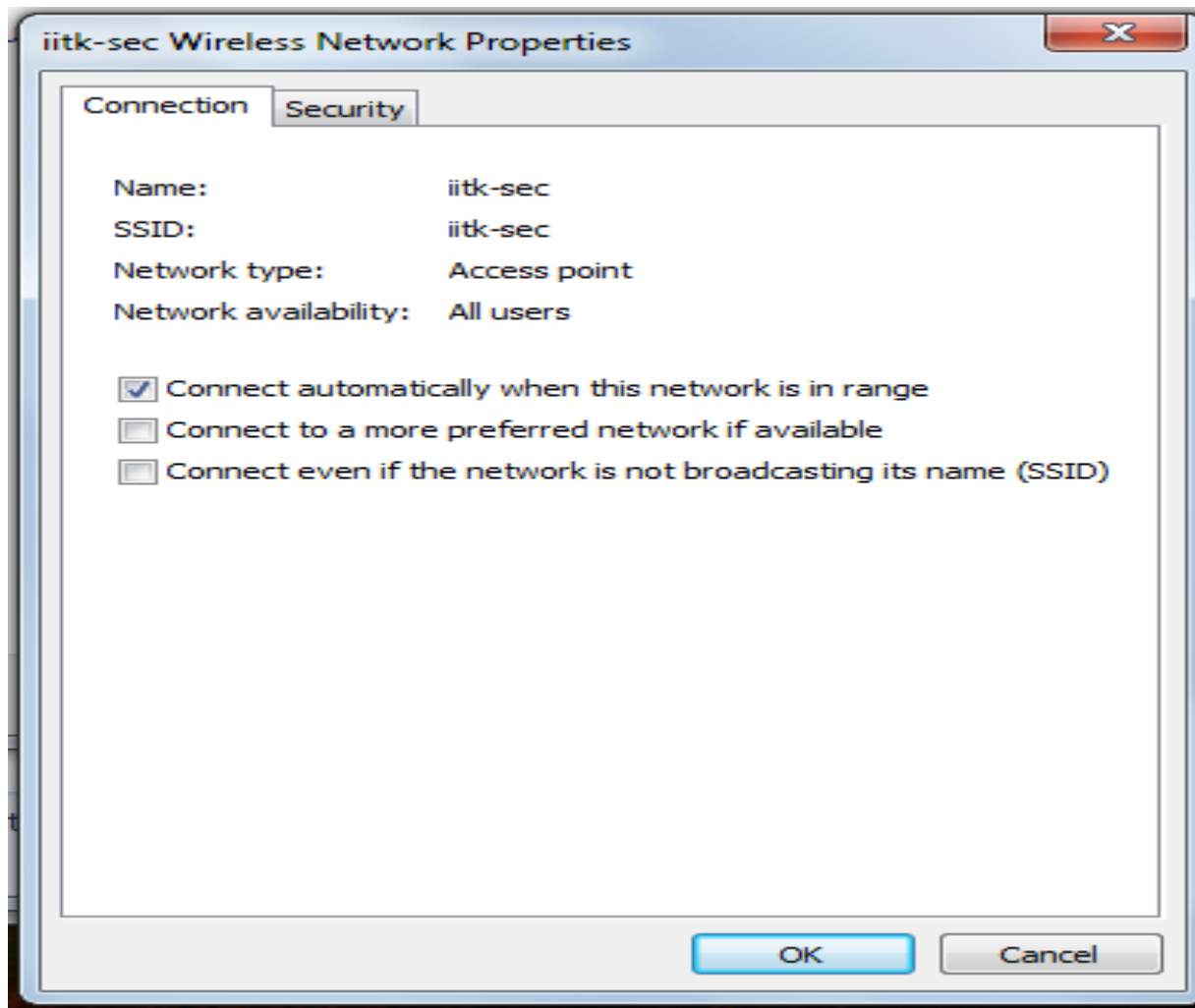
# Configuration

- Click **"Change connection settings"**.



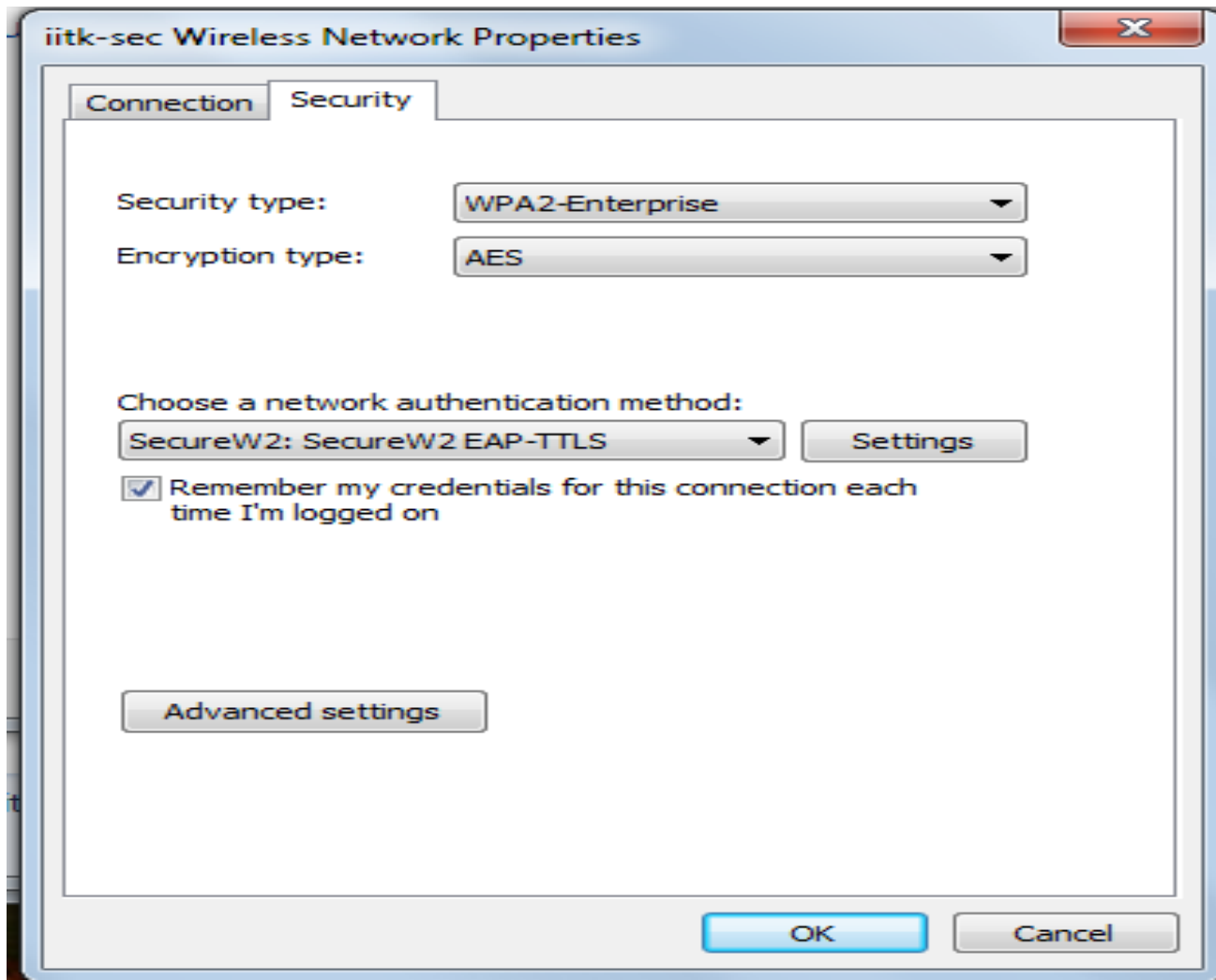
# Configuration

- Select “Security” tab.



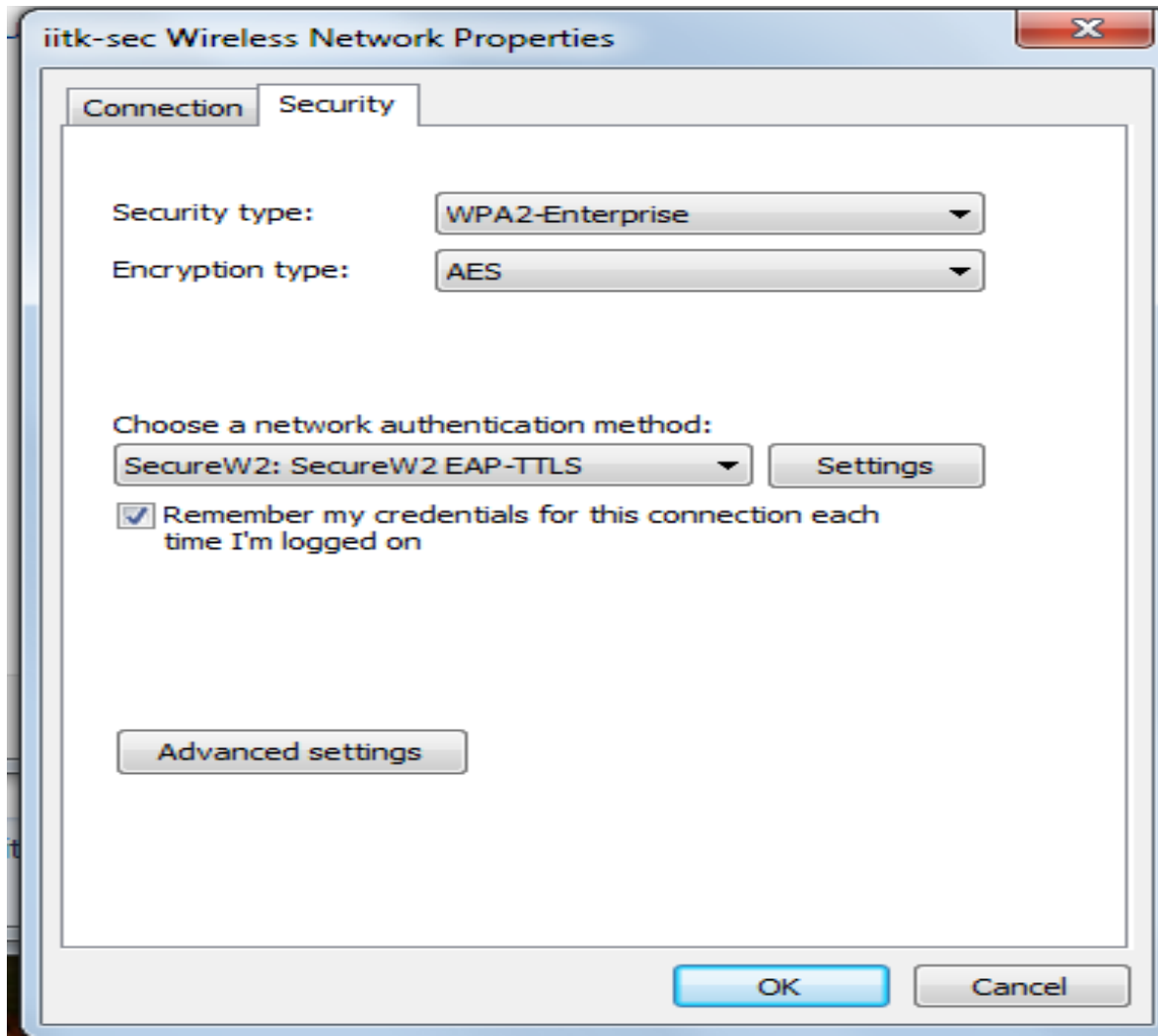
# Configuration

- Select “**Secure w2 EAP-TTLS**” authentication method.



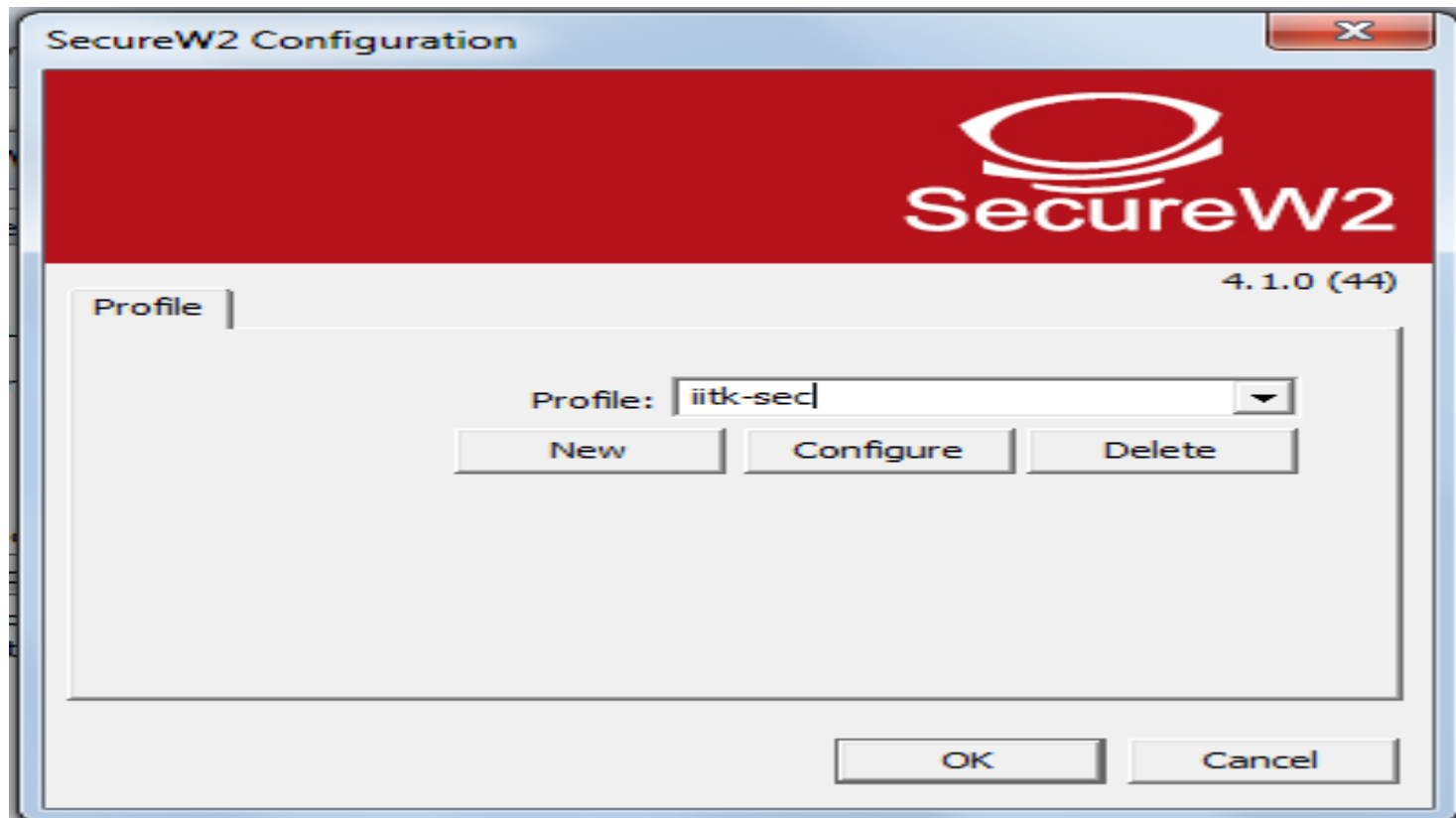
# Configuration

- Click on “**Settings**” Button.



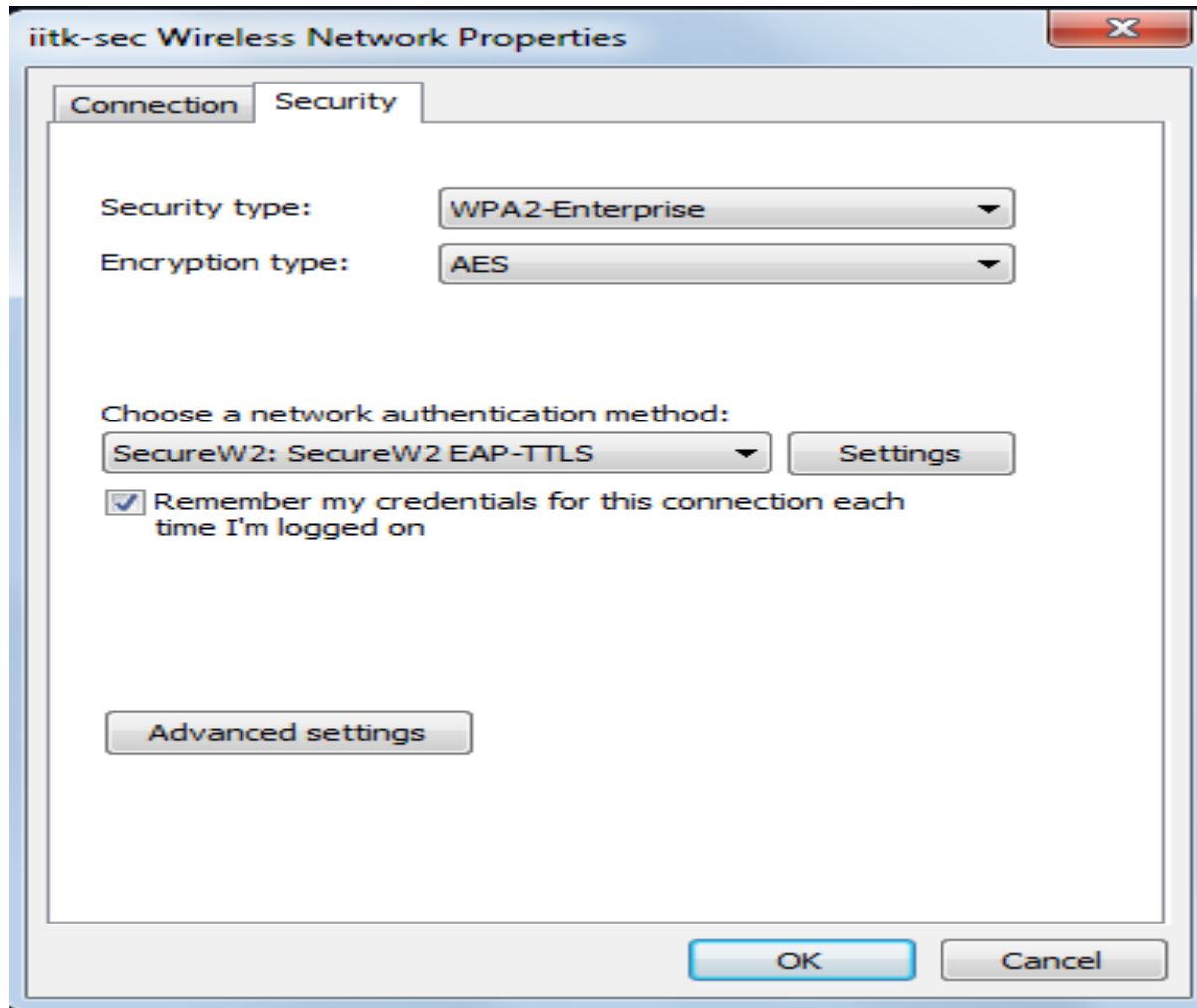
# Configuration

- Select pre define Profile “ iitk-sec ” and then “ OK ”.



# Configuration

- Click “OK”.





Connecting to  
Secure Wireless  
(iitk-sec)  
on  
WindowsXP

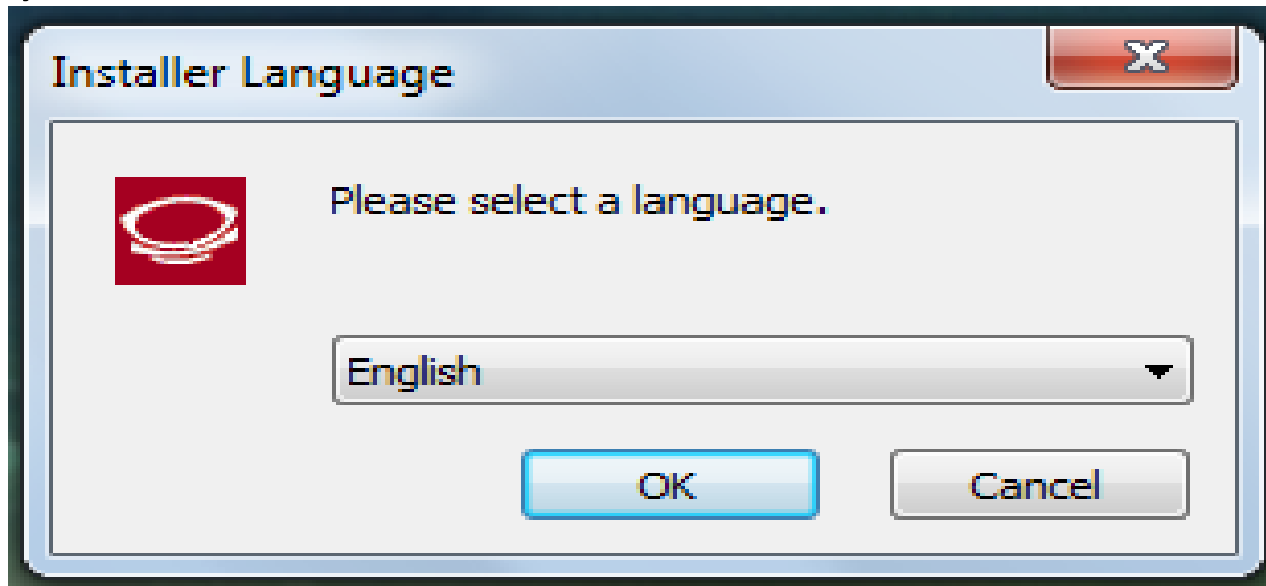
# Installation

- Download **“SecureW2”** client from this given link.

[http://www.iitk.ac.in/cc/UIC\\_SecureW2.exe](http://www.iitk.ac.in/cc/UIC_SecureW2.exe)

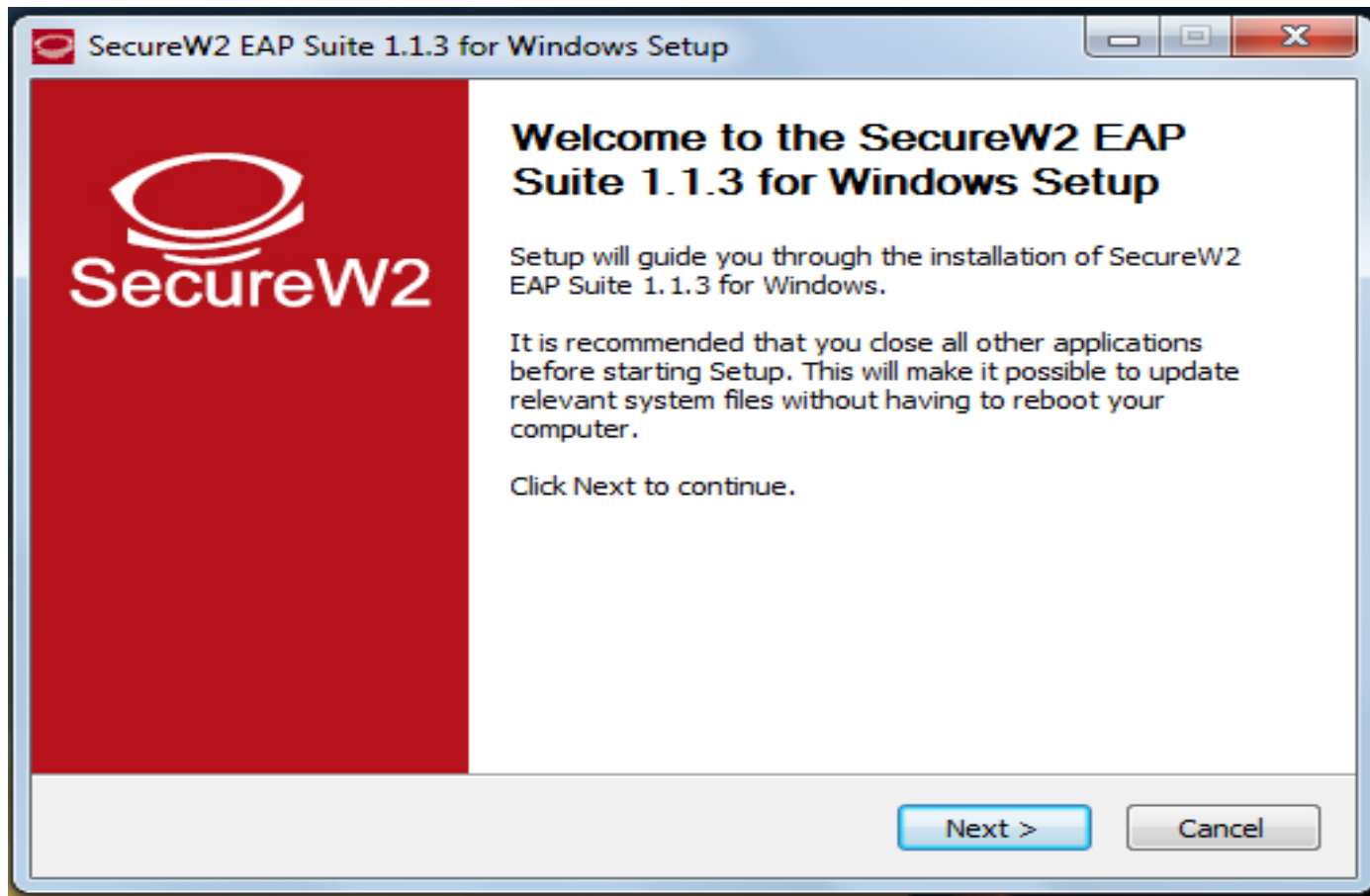
# Installation Continues...

- Start Setup "UIC\_SecureW2" by double click, then Click "OK".



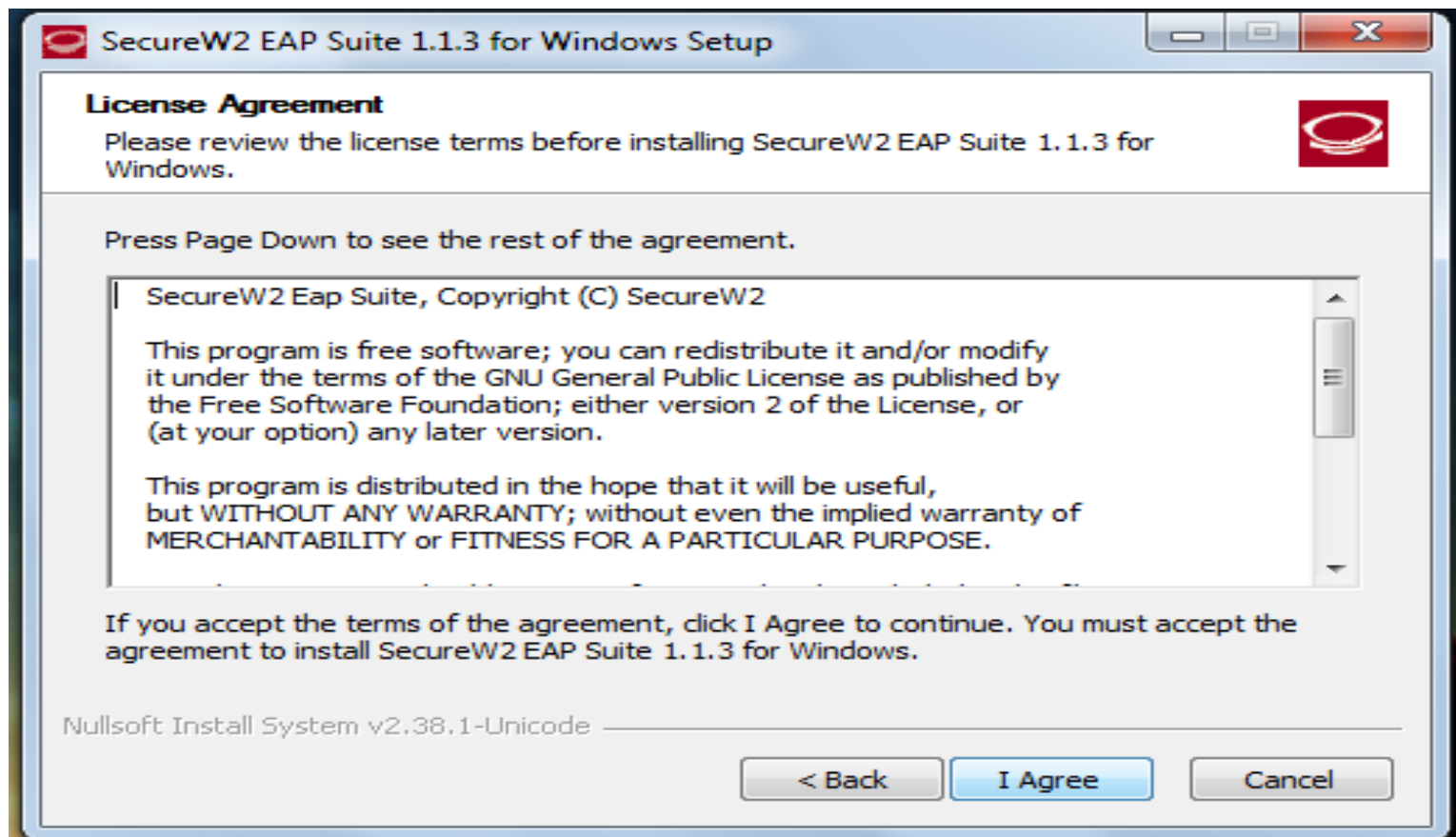
# Installation Continues...

- Click “Next”.



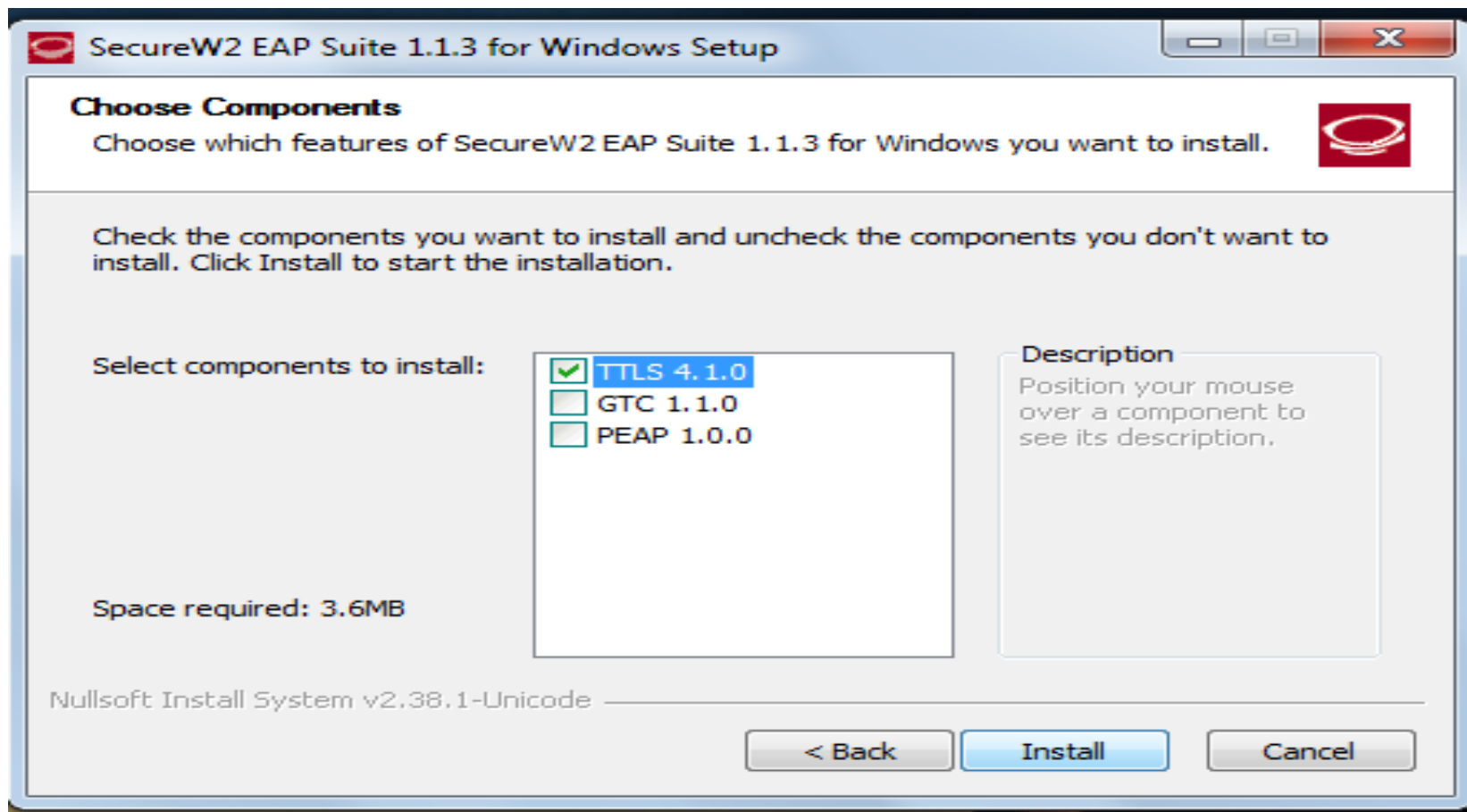
# Installation Continues...

- Click “I Agree”.



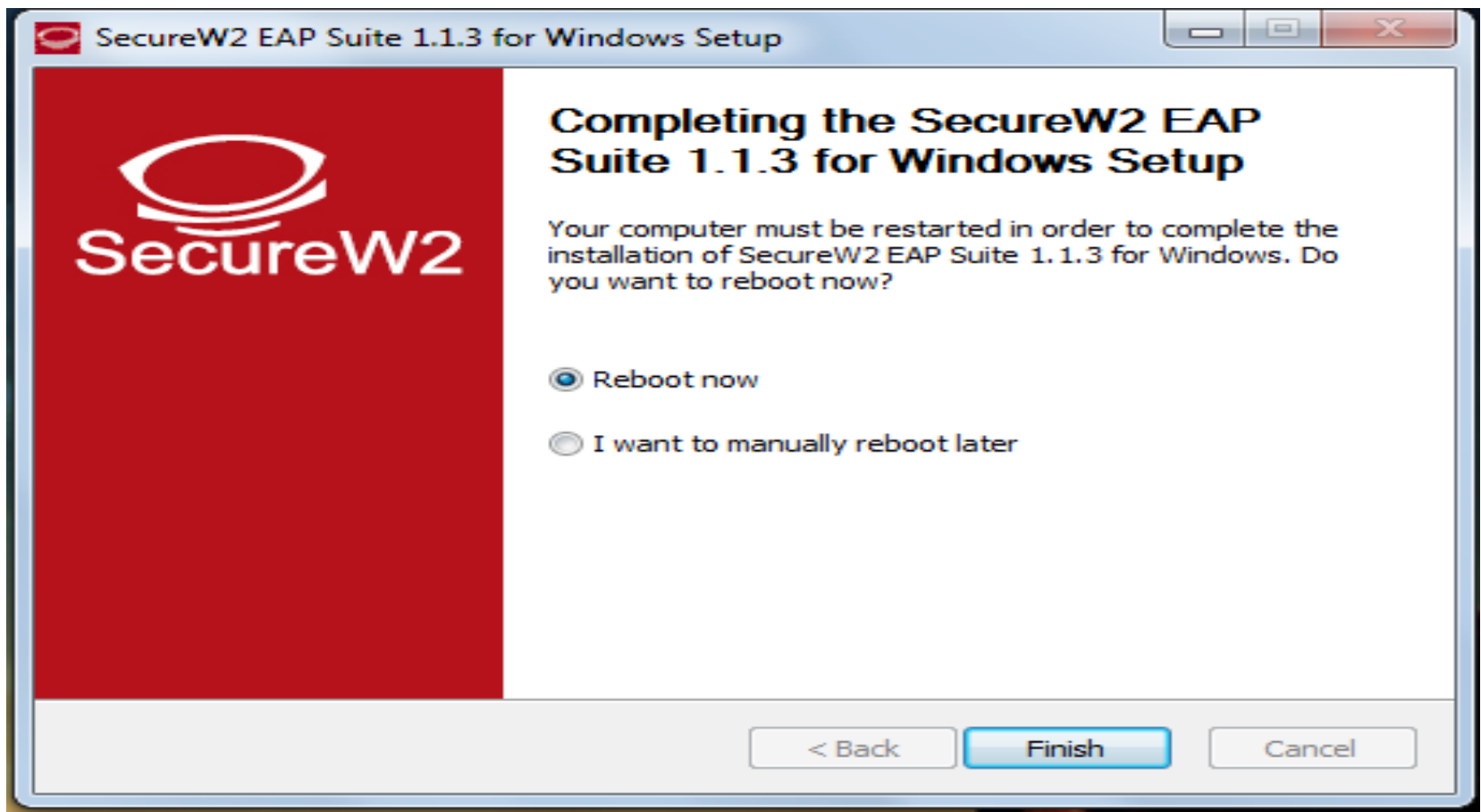
# Installation Continues...

- Select “TTLS” and click on “Install”.



# Installation Continues...

- Click on “Finish”.



# Configuration

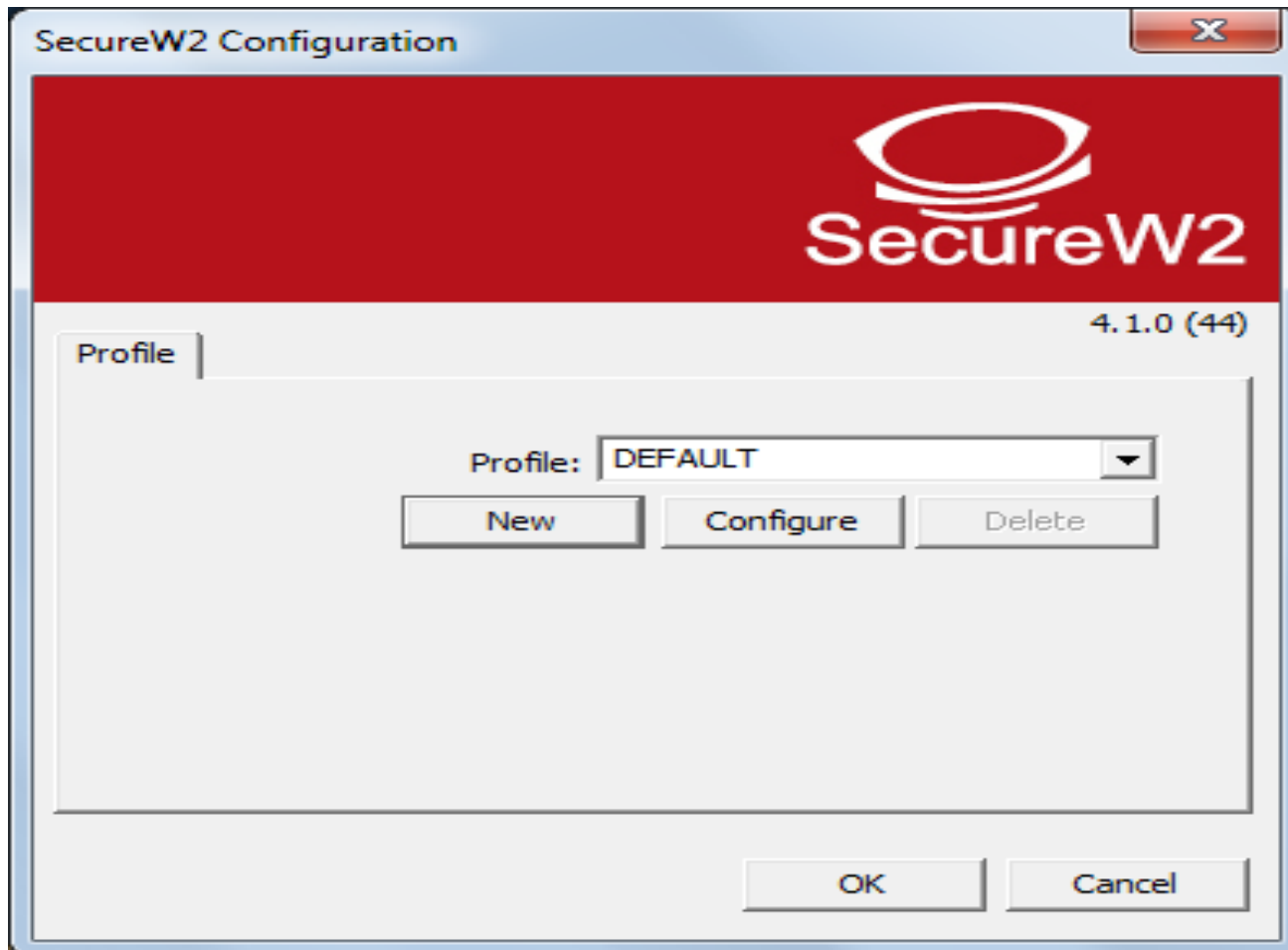
- Start “TTLs-Manager” from Desktop.





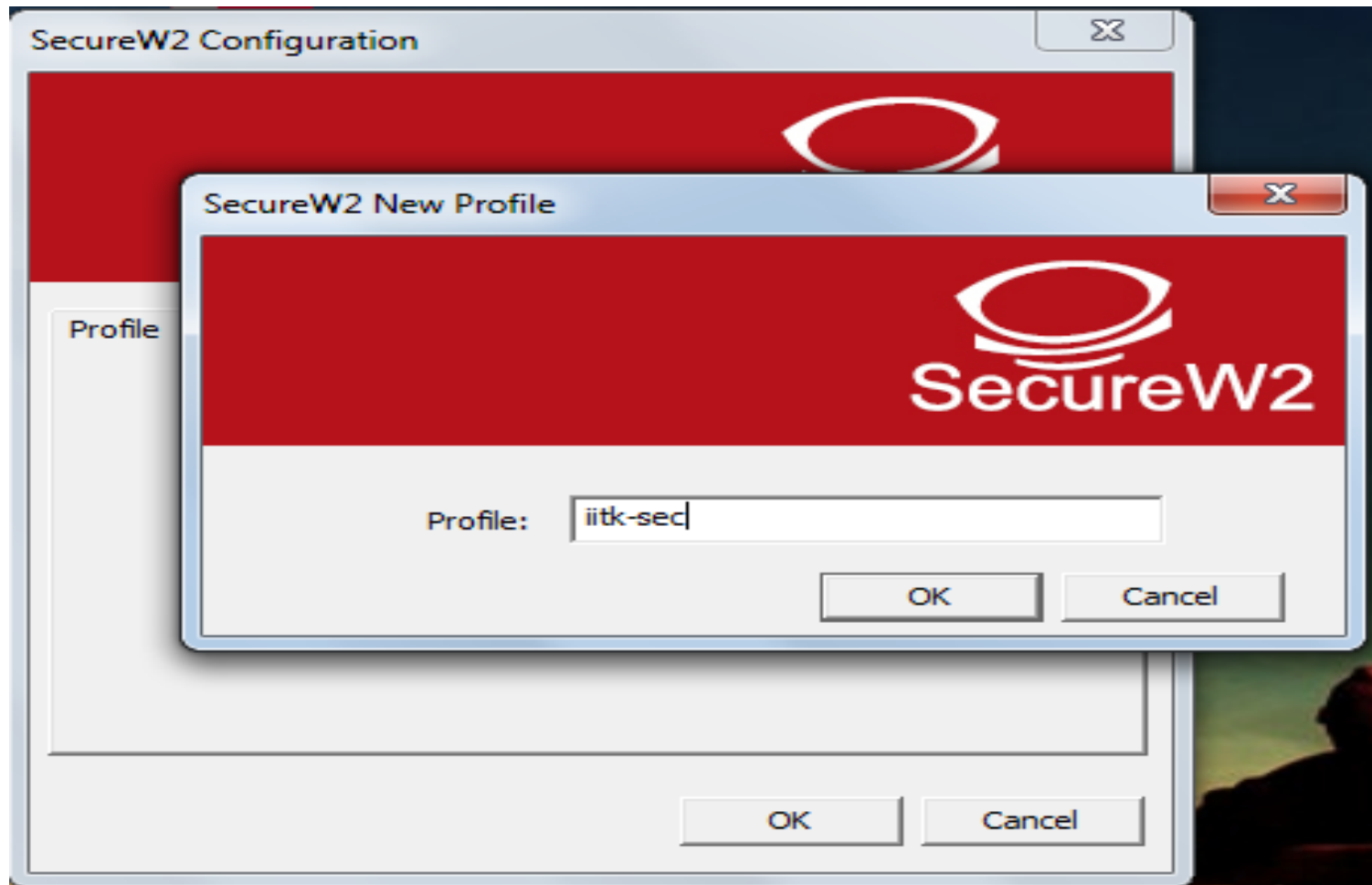
# Configuration

- Click on “New” Button.



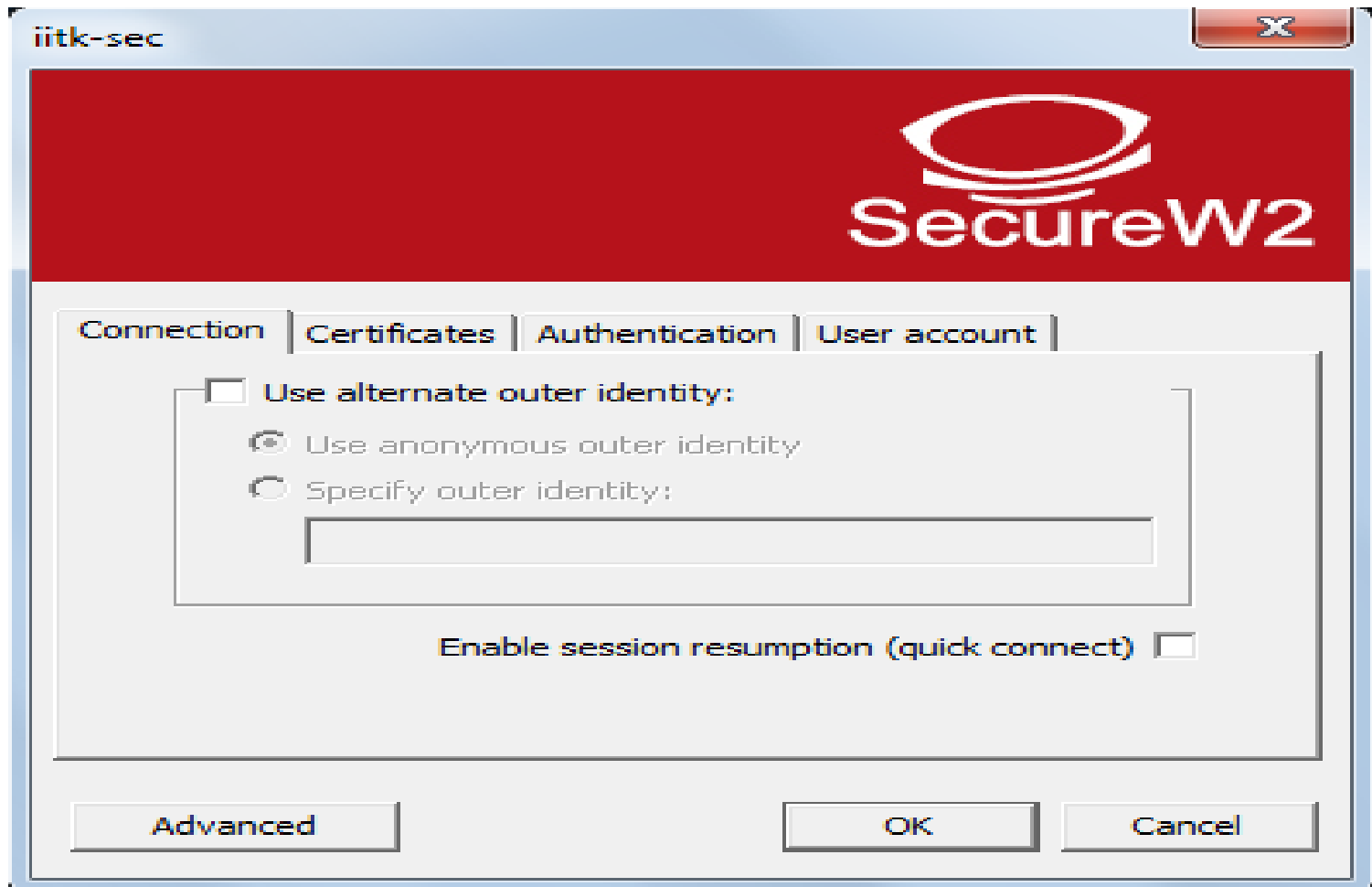
# Configuration

- Create Profile “iitk-sec” and click “OK”.



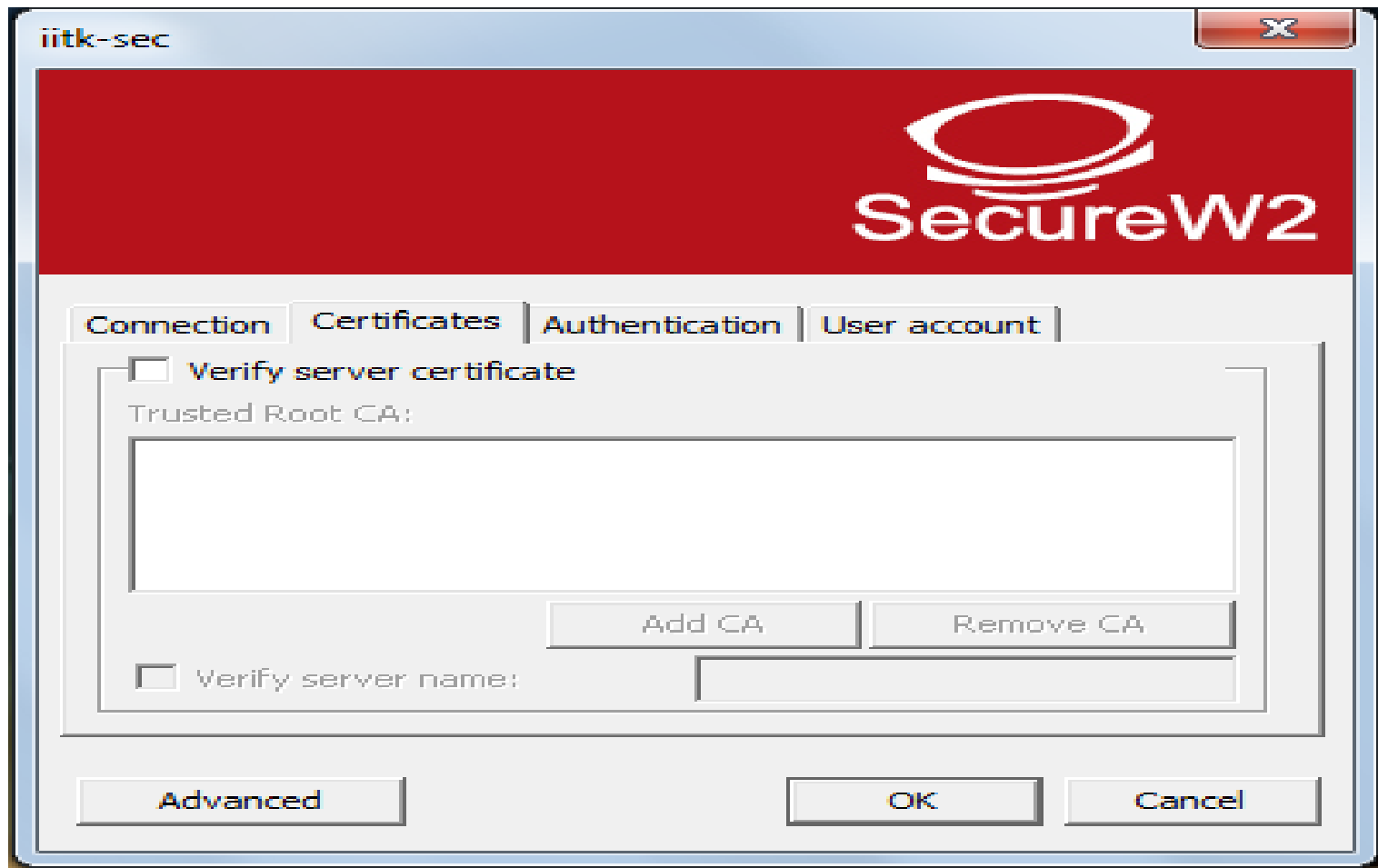
# Configuration

- Uncheck "Use alternate outer identity:".



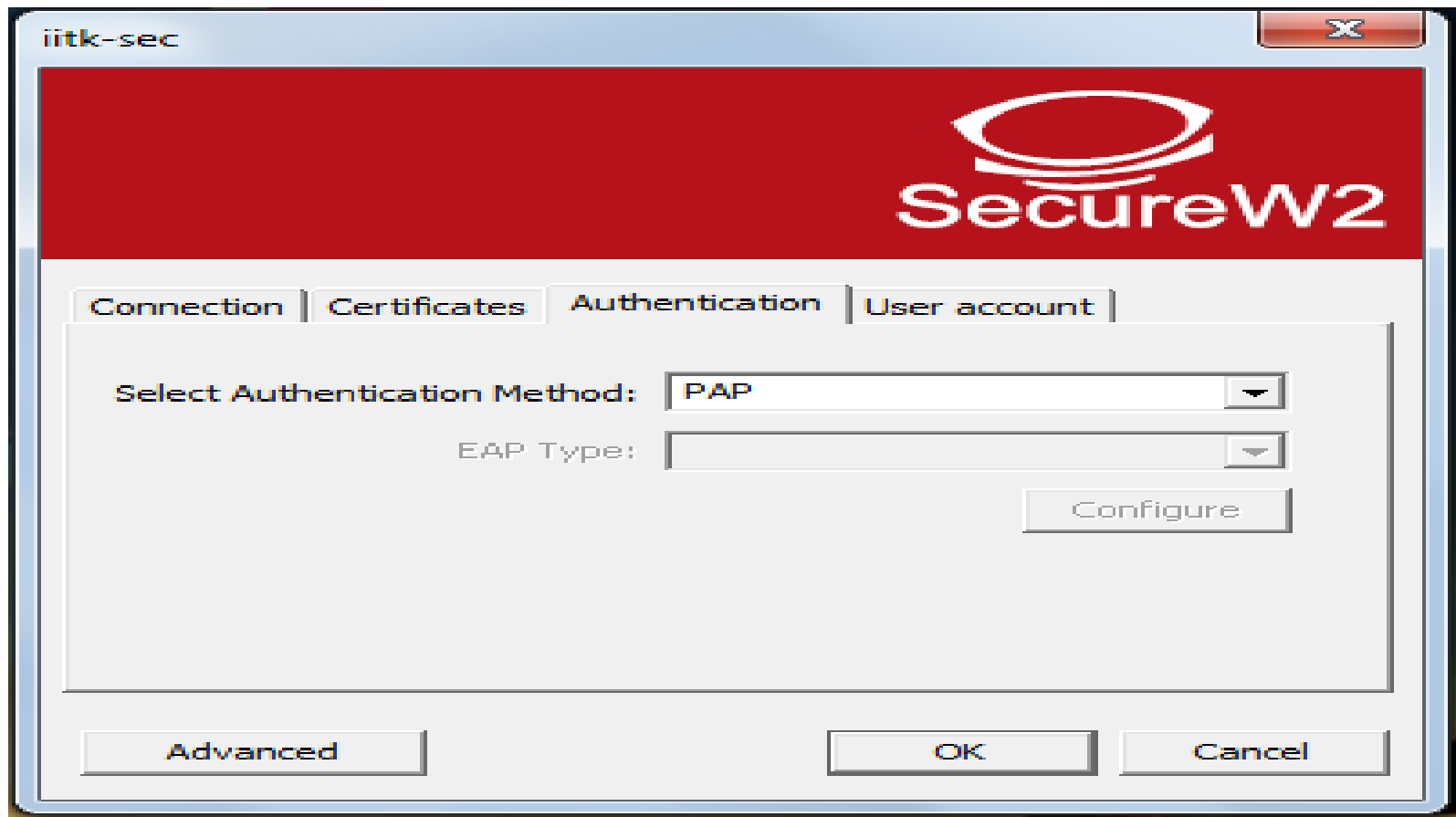
# Configuration

- Click on “Certificates” tab and uncheck “Verify server certificate”.



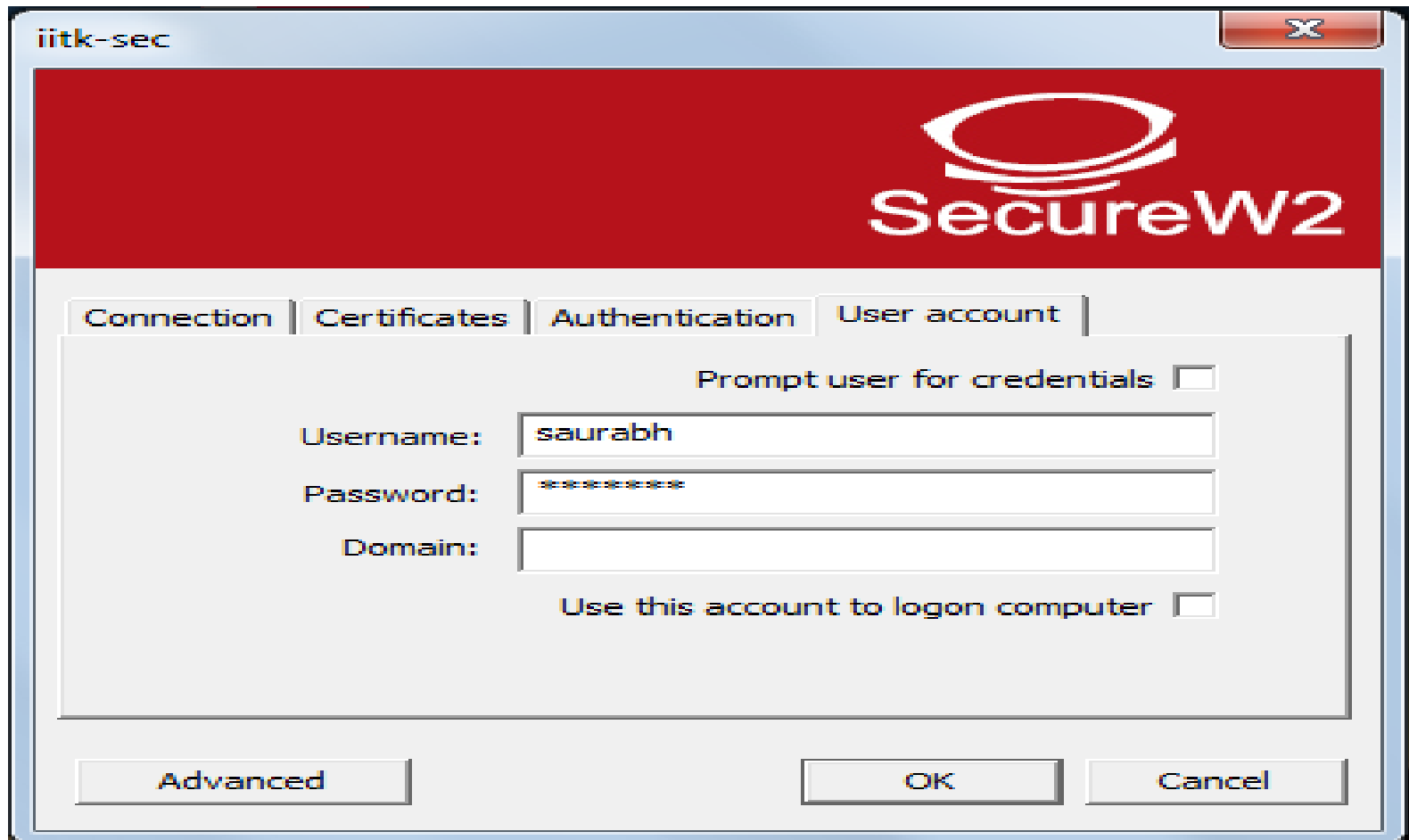
# Configuration

- Click on “Authentication” Tab and make sure that “Select Authentication Method: PAP”.



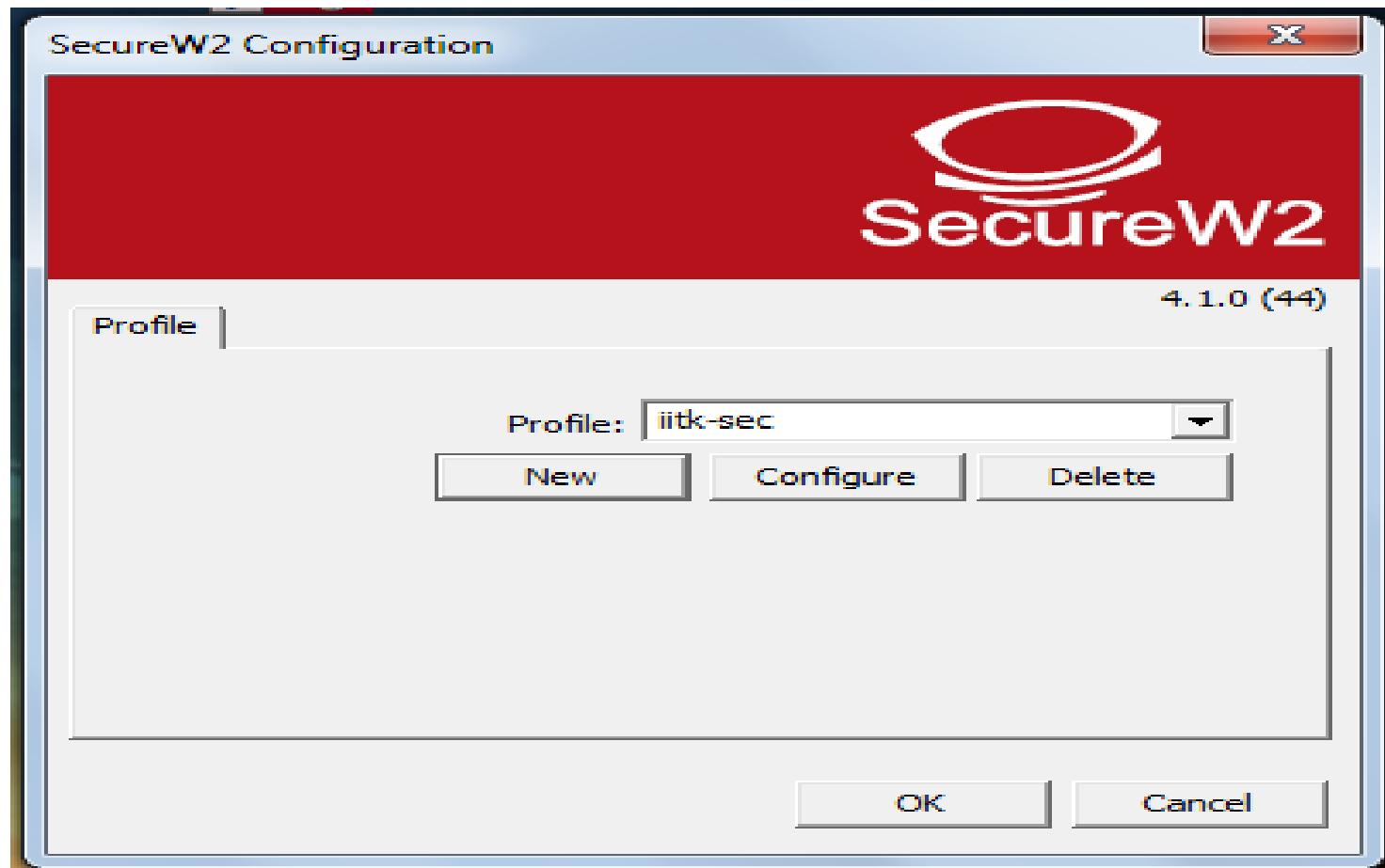
# Configuration

- Click on **“User account”** tab and **“uncheck”prompt user for credentials**, Put your Username: and Password:(As you normally use on proxy),Click **“OK”**.



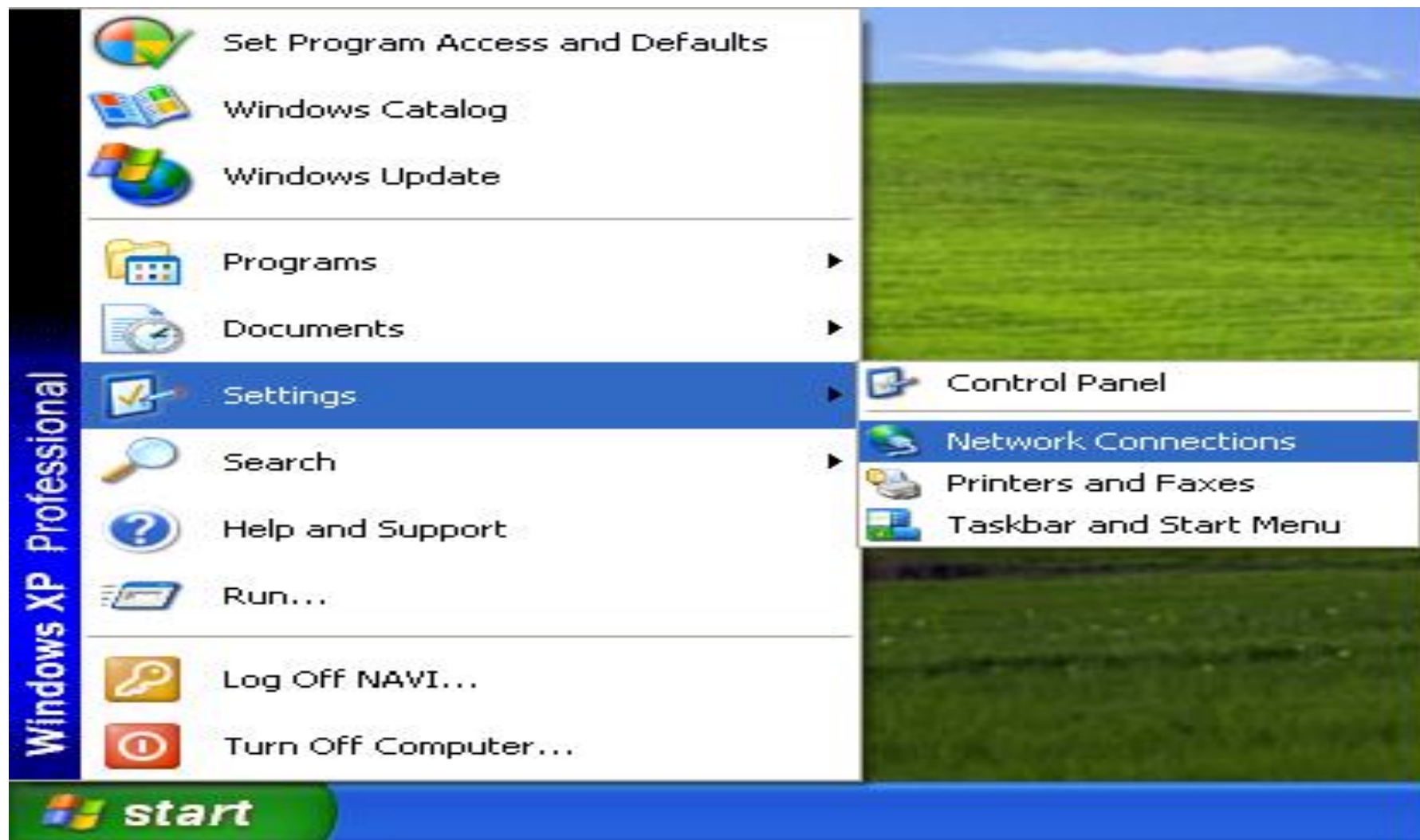
# Configuration

- Click “OK”.



# Configuration

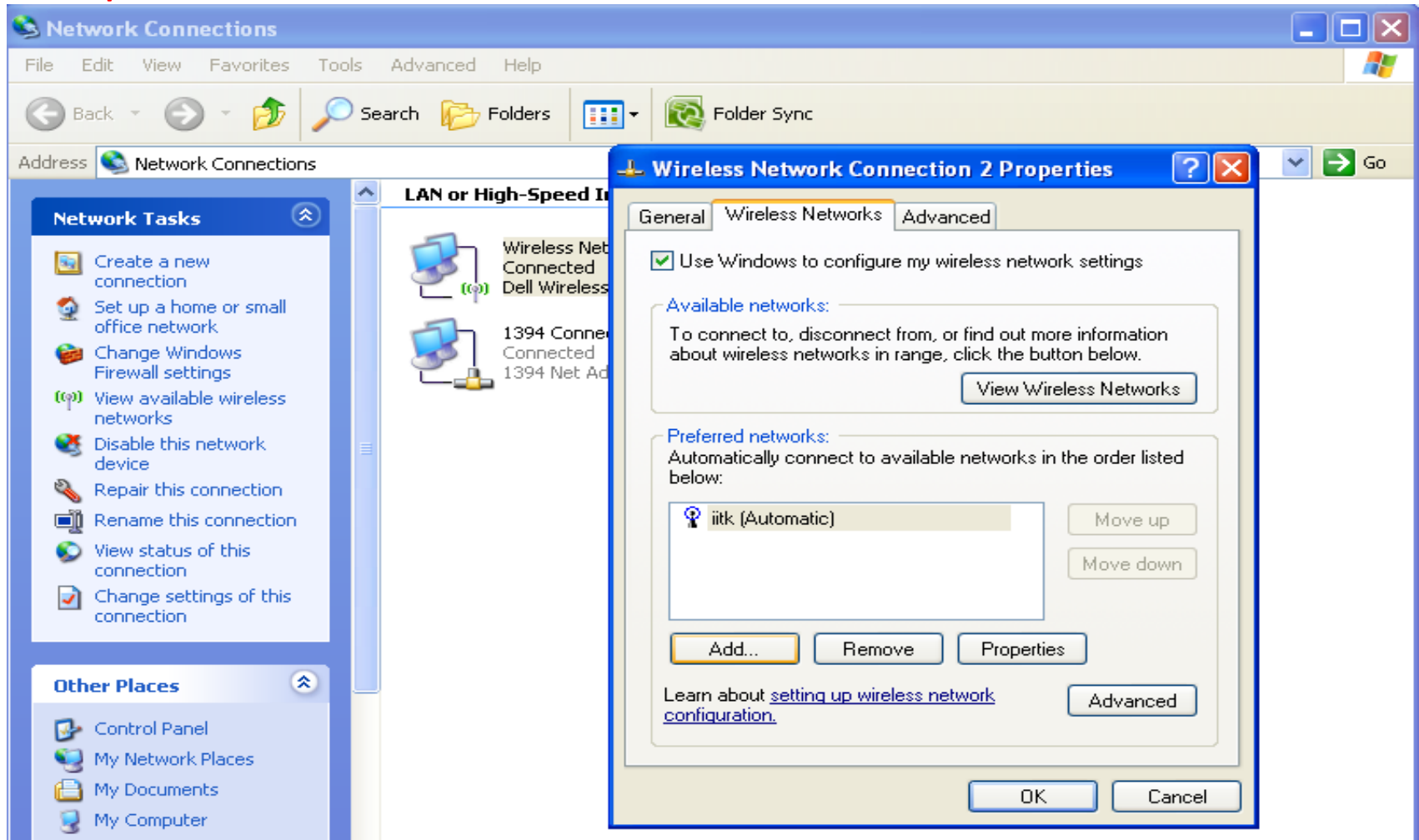
- Go to “Start→Settings→Network Connections”.





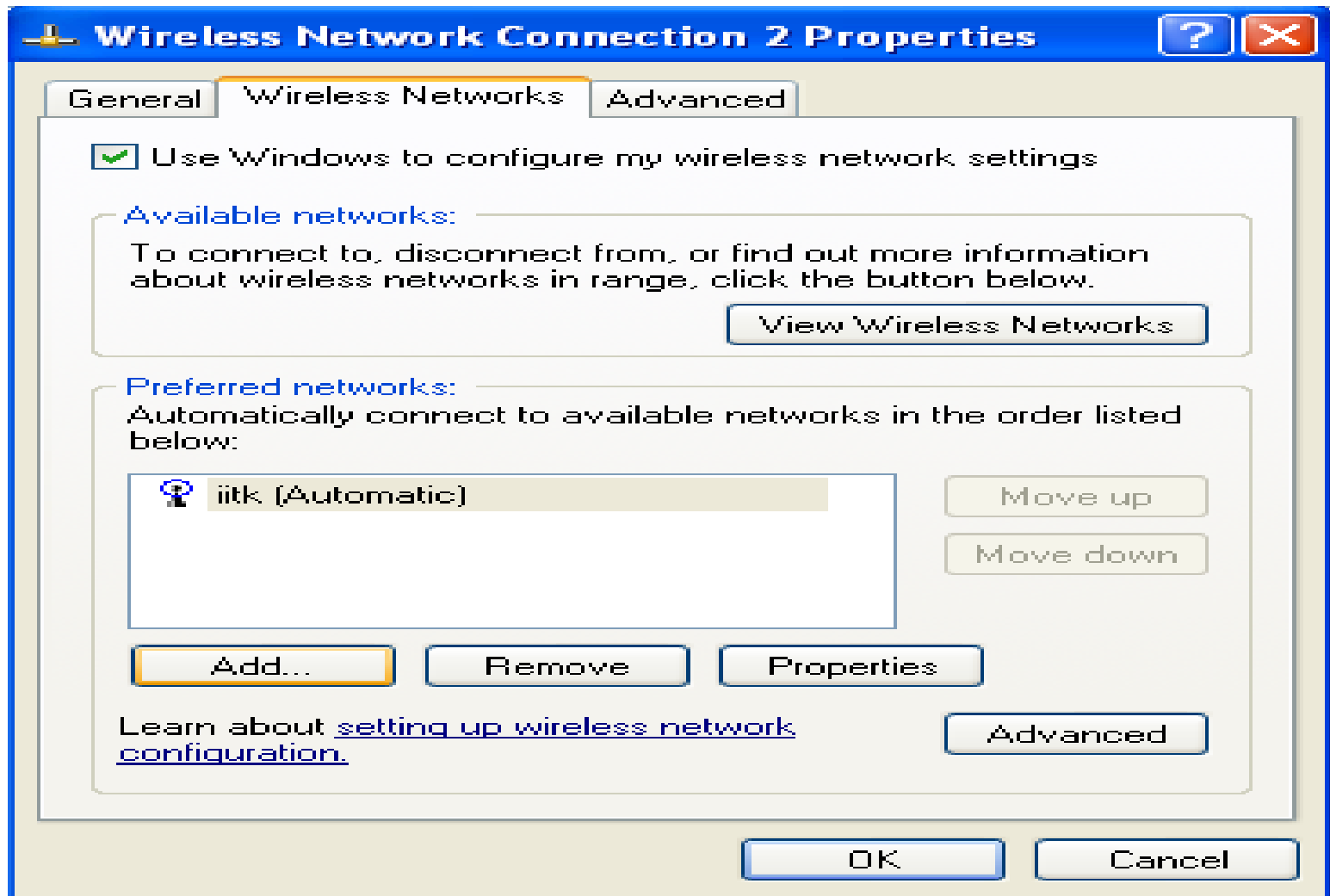
# Configuration

- Right click on “Wireless Network connection” and select “Properties”. Now click on “Wireless Networks” Tab.



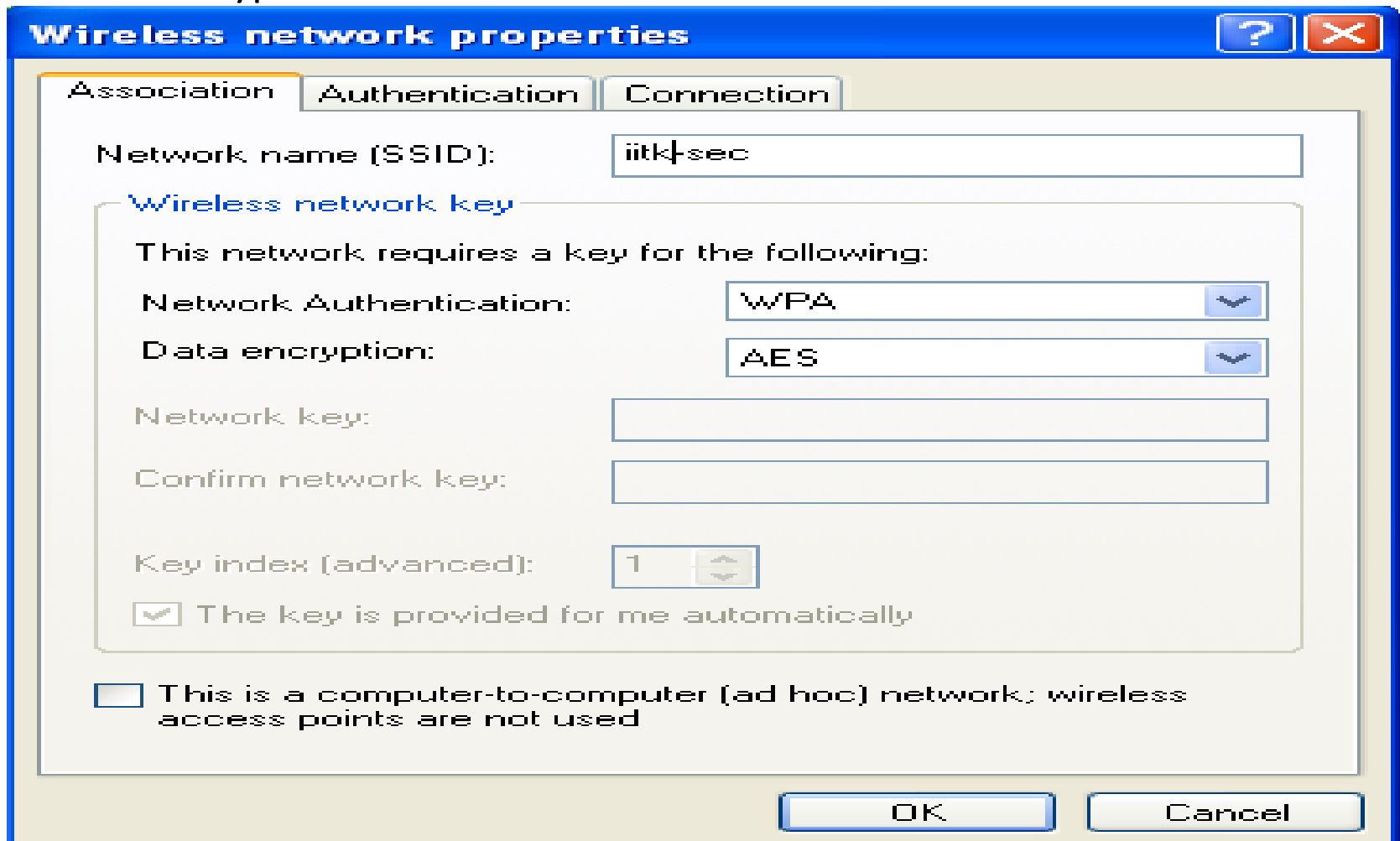
# Configuration

- Click on “Add...” Button.



# Configuration

- Set Network Name(SSID): **iitk-sec**
- Network Authentication: **WPA or WPA2**
- Data encryption: **AES or TKIP**



The image shows a Windows-style dialog box titled "Wireless network properties". It has three tabs: "Association", "Authentication", and "Connection". The "Authentication" tab is selected. Inside the dialog, there is a text field for "Network name (SSID)" containing "iitk-sec". Below this is a section titled "Wireless network key" which contains the text "This network requires a key for the following:". Under this text are two dropdown menus: "Network Authentication" set to "WPA" and "Data encryption" set to "AES". Below these are two empty text fields for "Network key:" and "Confirm network key:". There is also a "Key index (advanced):" field with a spinner set to "1". A checkbox labeled "The key is provided for me automatically" is checked. At the bottom, there is an unchecked checkbox labeled "This is a computer-to-computer (ad hoc) network; wireless access points are not used". The dialog has "OK" and "Cancel" buttons at the bottom right.

**Wireless network properties**

Association Authentication Connection

Network name (SSID): iitk-sec

**Wireless network key**

This network requires a key for the following:

Network Authentication: WPA

Data encryption: AES

Network key:

Confirm network key:

Key index (advanced): 1

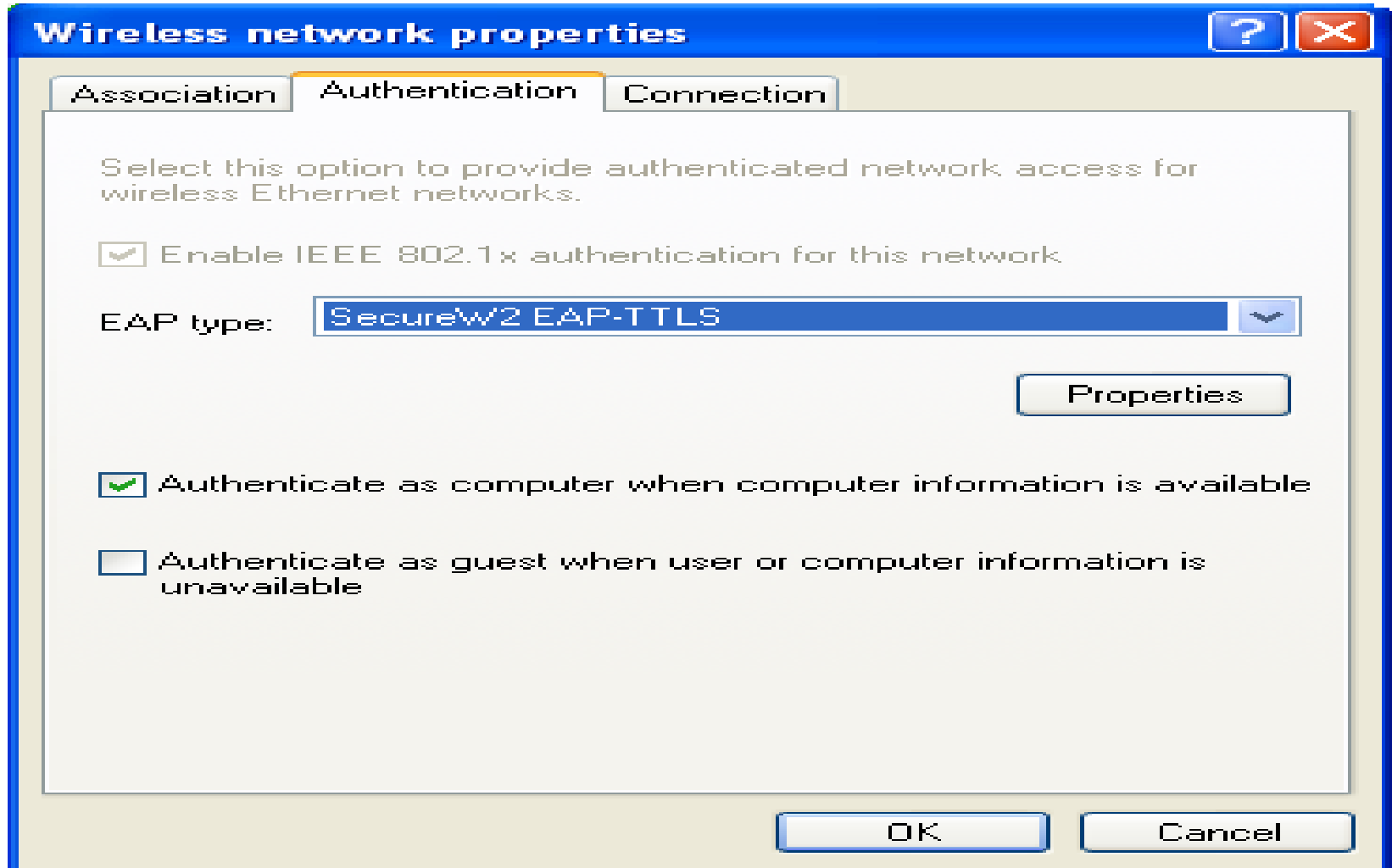
☒ The key is provided for me automatically

☐ This is a computer-to-computer (ad hoc) network; wireless access points are not used

OK Cancel

# Configuration

- Go to “Authentication” Tab and select EAP type: SecureW2 EAP-TTLS . Now click “Properties” .



# Configuration

- Set **Profile: iitk-sec** and click “OK”.

