Windows 7 Configuration for ORU Wireless Networks

Show hidden icons

Wireless Signal Strength Indicator

2:53 PM
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Figure 1

Windows 7 Documentation for the ORU-Employee wireless network

Clicking the Wireless Signal Strength Indicator icon should display the Wireless Network Connection window (figure 2). You may need to click the drop arrow to display the list. This is a list of wireless networks the device can "see". If the network you wish to connect to is not listed it may be down or you may be out of range. Due to the nature of a wireless network, signal strength can vary significantly over localized areas. If you are unable to see the network you should move to another area, preferably a known good "hotspot" and attempt to connect again. If the network name is still not listed you should attempt to determine if the network is up by checking if people near you are connected or by calling your help desk.
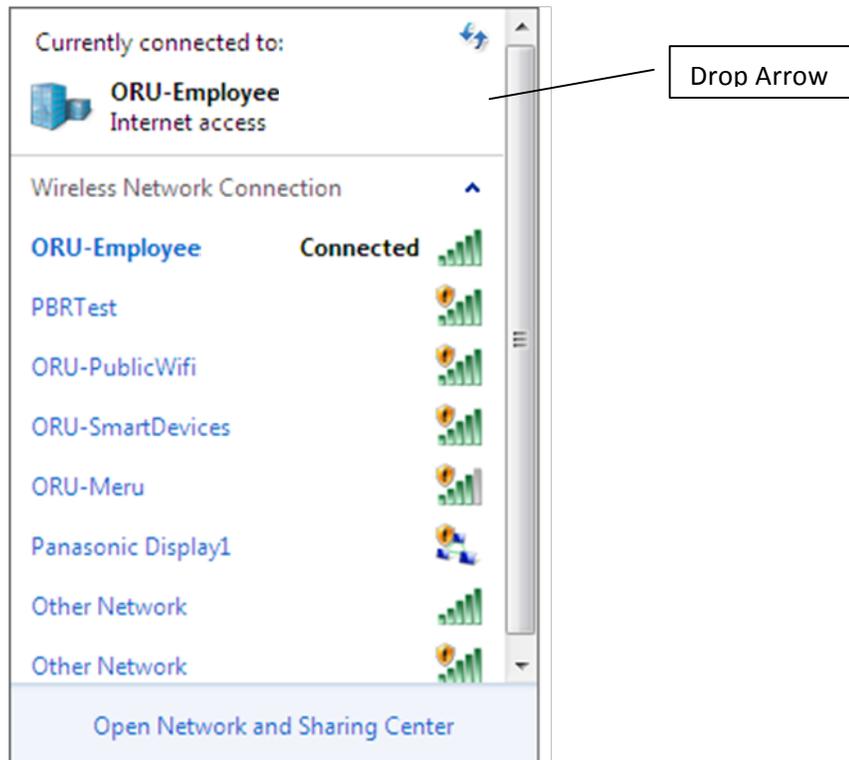
Figure 2

Here you can see the system has connected to the ORU-Employee network. If your device is connected to the appropriate network the device is properly configured.

If the device is not connected to a network, or is connected to the wrong network, double click the network name you wish to connect to. The device should attempt to connect. You may be presented with a login window. Attempt to login using your Novell user name and password. It may take a couple of minutes to connect. If the device connects it may display a window requesting you to select a location for the network you connected to. Select Public Network.

If the device doesn't connect, recheck the network and user name & password (if requested), then try the connection again. If the device is still unable to connect, then follow these steps to configure the device.

Add Network Profile
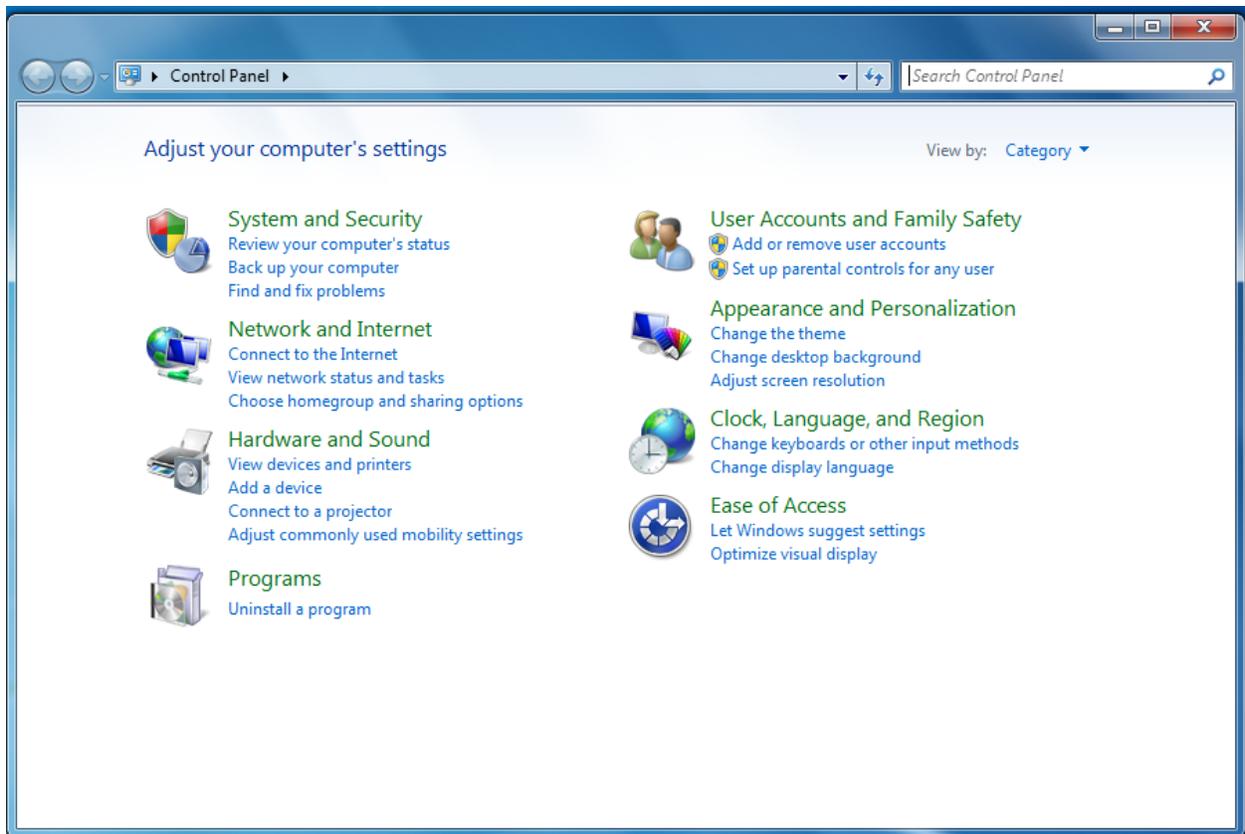Start Control Panel. Set it to Category view if it isn't already (Figure 3).

Figure 3

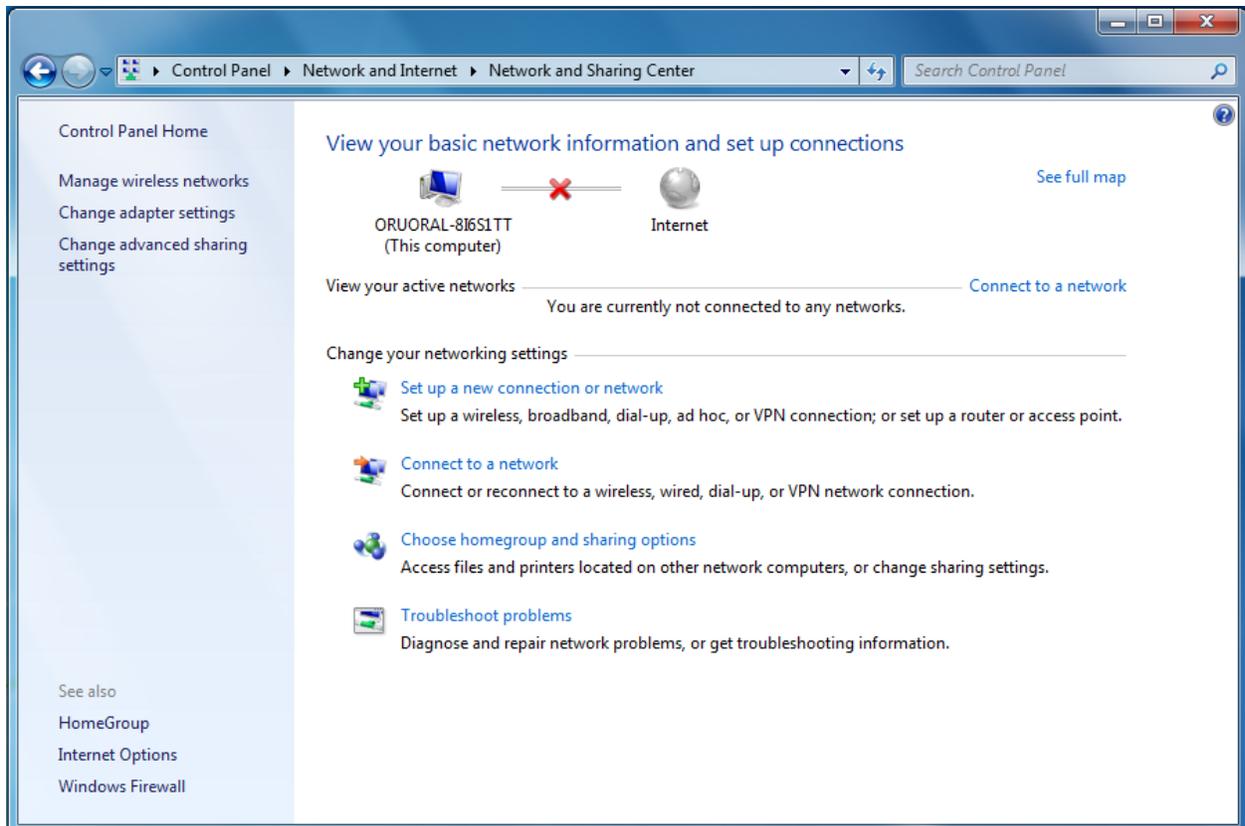Click "View network status and tasks". A window similar to (Figure 4) will open.

Click "Manage wireless networks". The Manage wireless networks window will open (Figure 5).

If the desired network is listed, right click it and click Properties on the pop-up menu. Skip to the Configure Properties section.
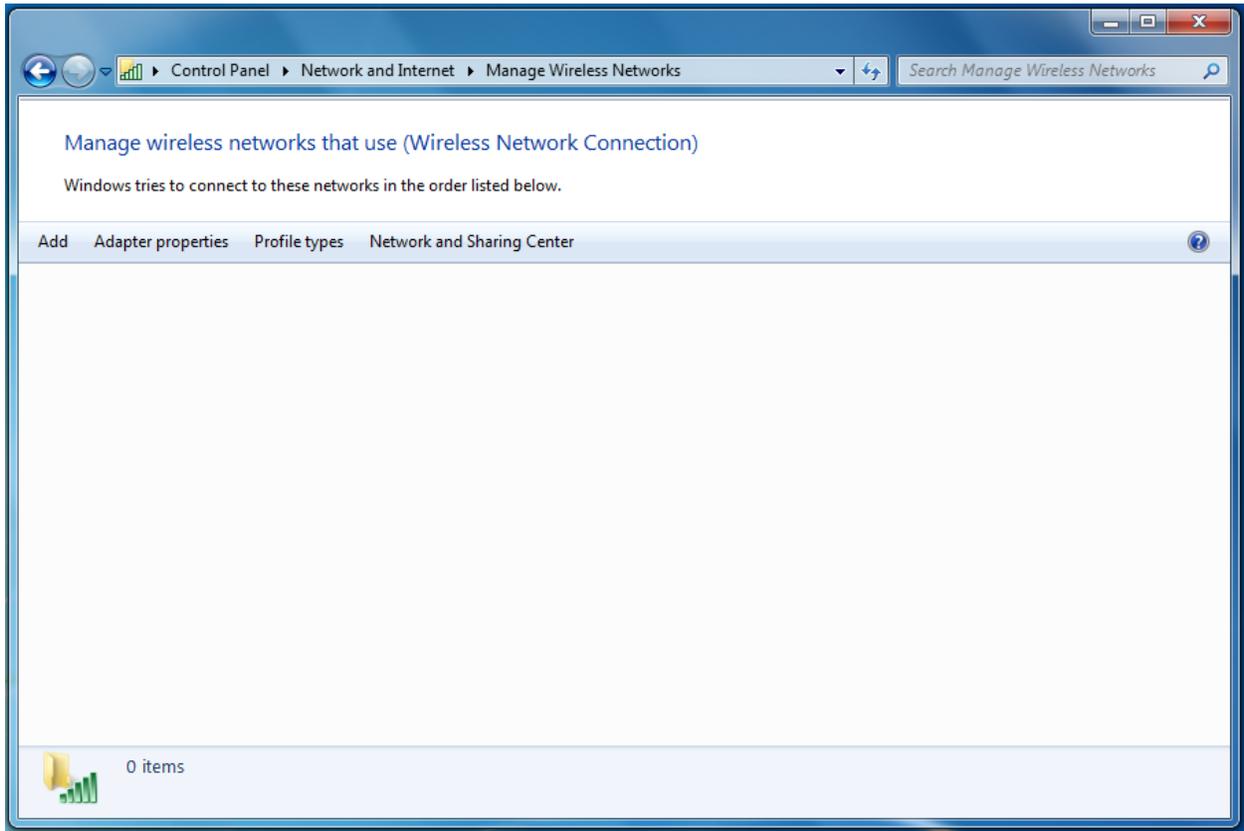
Figure 5

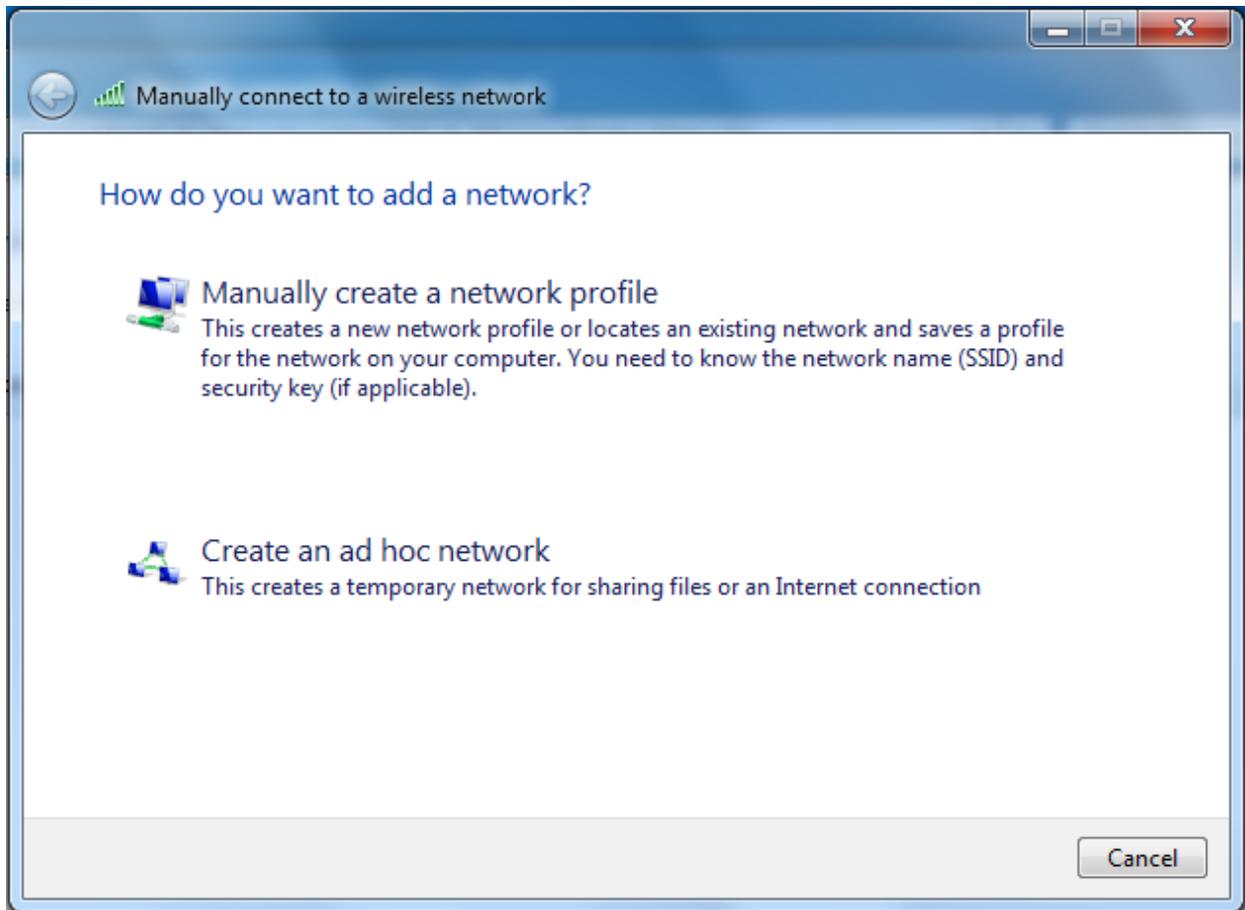Click Add if the desired network is not listed. A window similar to (Figure 6) will open.

Figure 6

Click "Manually create a network profile".   A window similar to (Figure 7) will open.
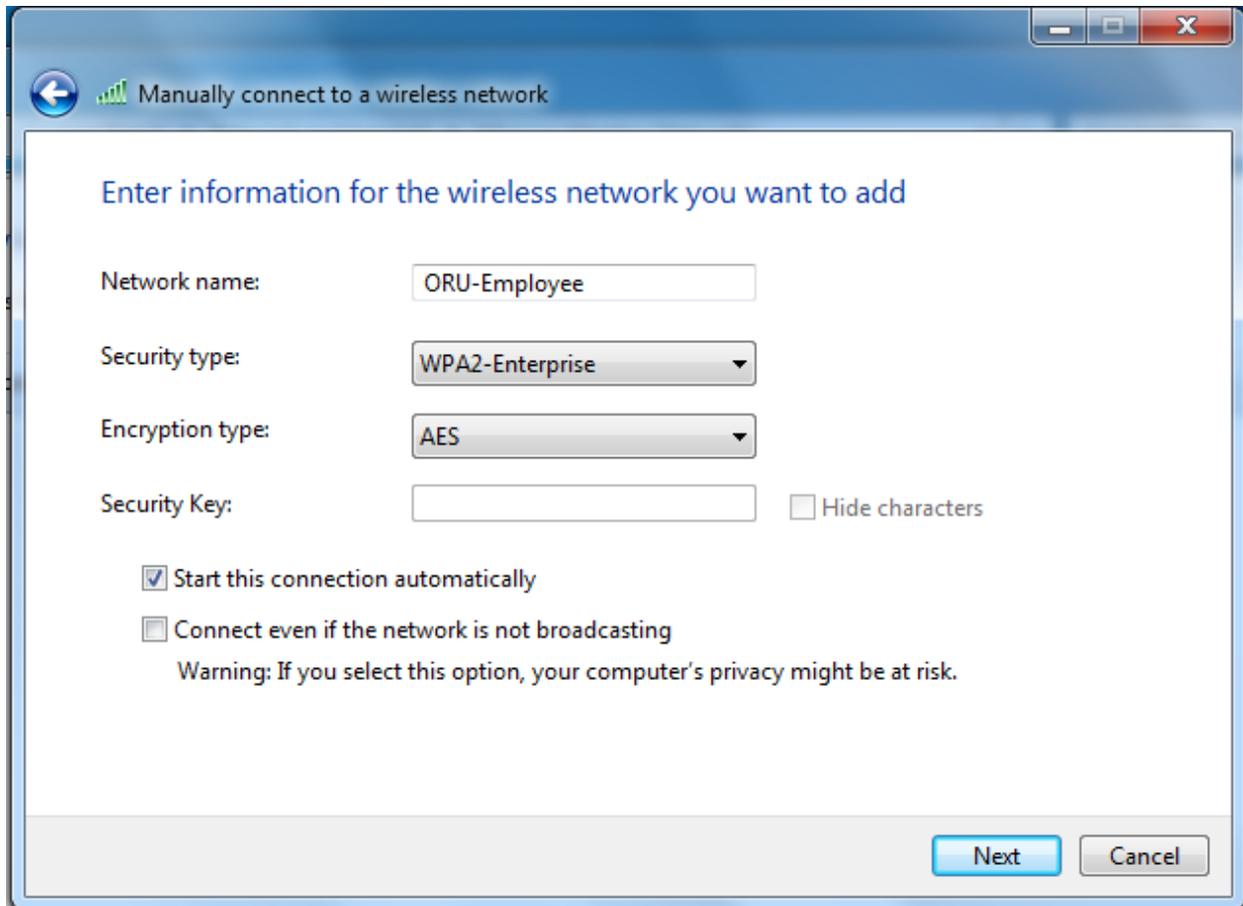
Figure 7

- Enter the Network name or SSID. This value is case sensitive
- Select the Security type from the drop down box. The choices may vary from device to device. Select a choice from this list which is in order of preference:
    1. WPA2-Enterprise
    2. WPA2
    3. WPA-Enterprise
    4. WPA
- Select AES for Data Encryption.
- Uncheck the "Connect even if the network is not broadcasting" box if it is checked.
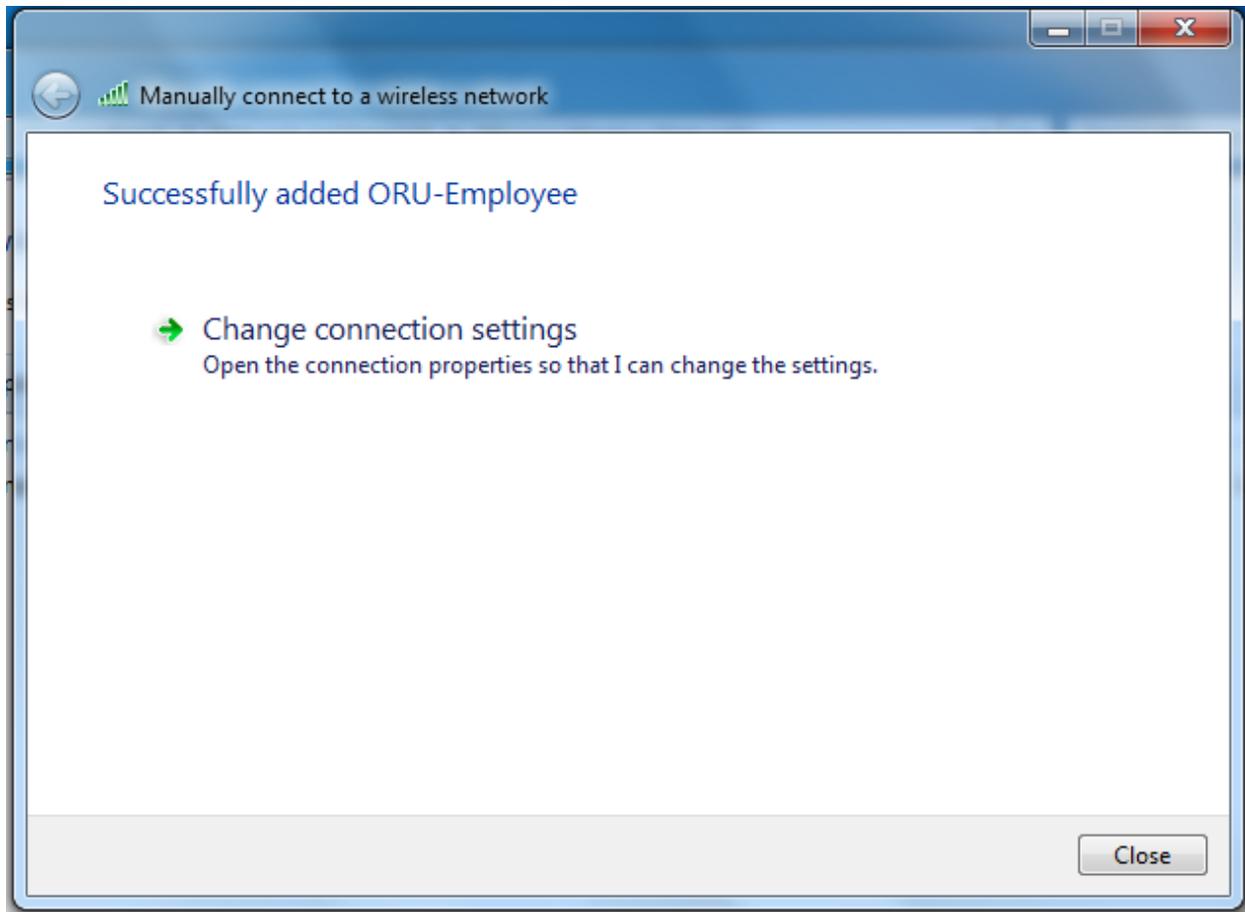
Click Next.

Figure 8

Click "Change connection settings".

Configure Properties

The Wireless Network Properties window should be open (Figure 9).

ORU-Employee Wireless Network Properties

Connection | Security

Name: ORU-Employee
SSID: ORU-Employee
Network type: Access point
Network availability: All users

☑ Connect automatically when this network is in range
☐ Connect to a more preferred network if available
☐ Connect even if the network is not broadcasting its name (SSID)
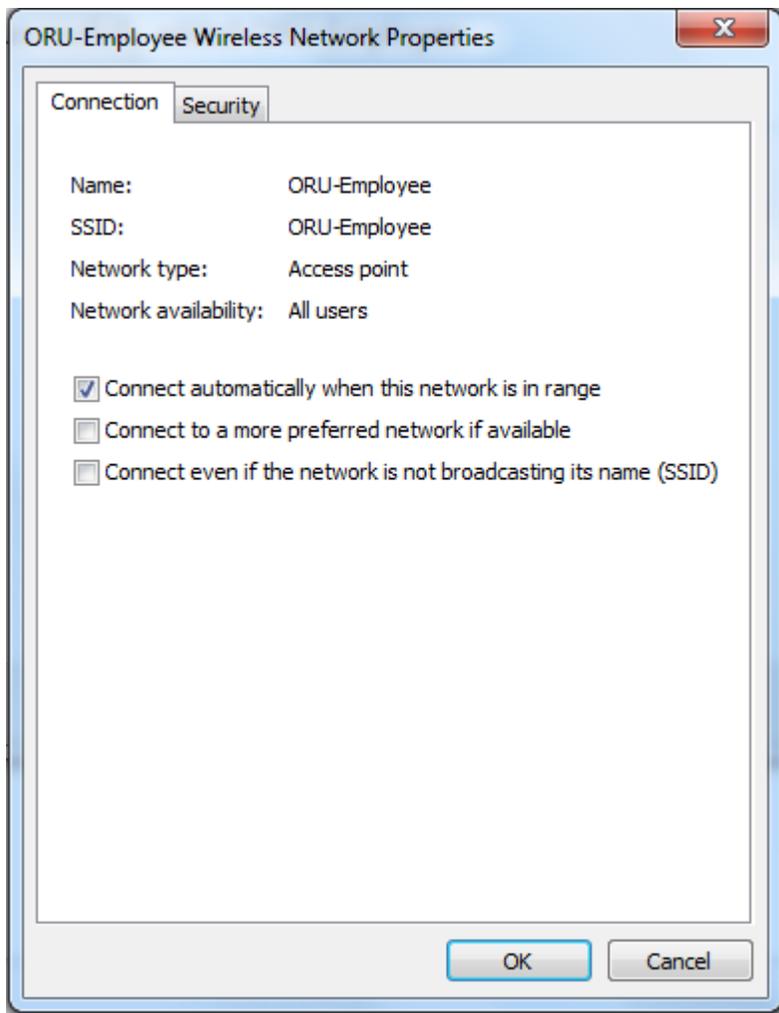
OK   Cancel
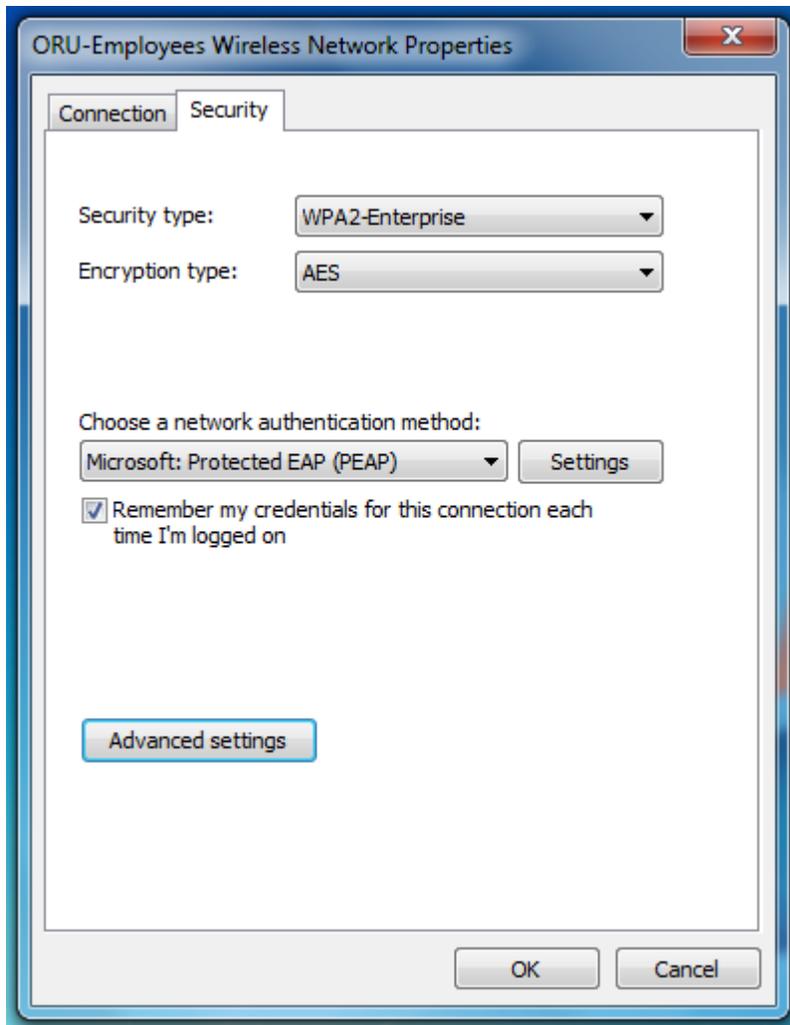
Figure 9

Click the "Security" tab.

Figure 10

- Select the Security type from the drop down box. The choices may vary from device to device. Select a choice from this list which is in order of preference:
    1. WPA2-Enterprise
    2. WPA2
    3. WPA-Enterprise
    4. WPA
- Select AES for Data Encryption.

Open the Protected EAP Properties window (Figure 11) by clicking the Settings button.
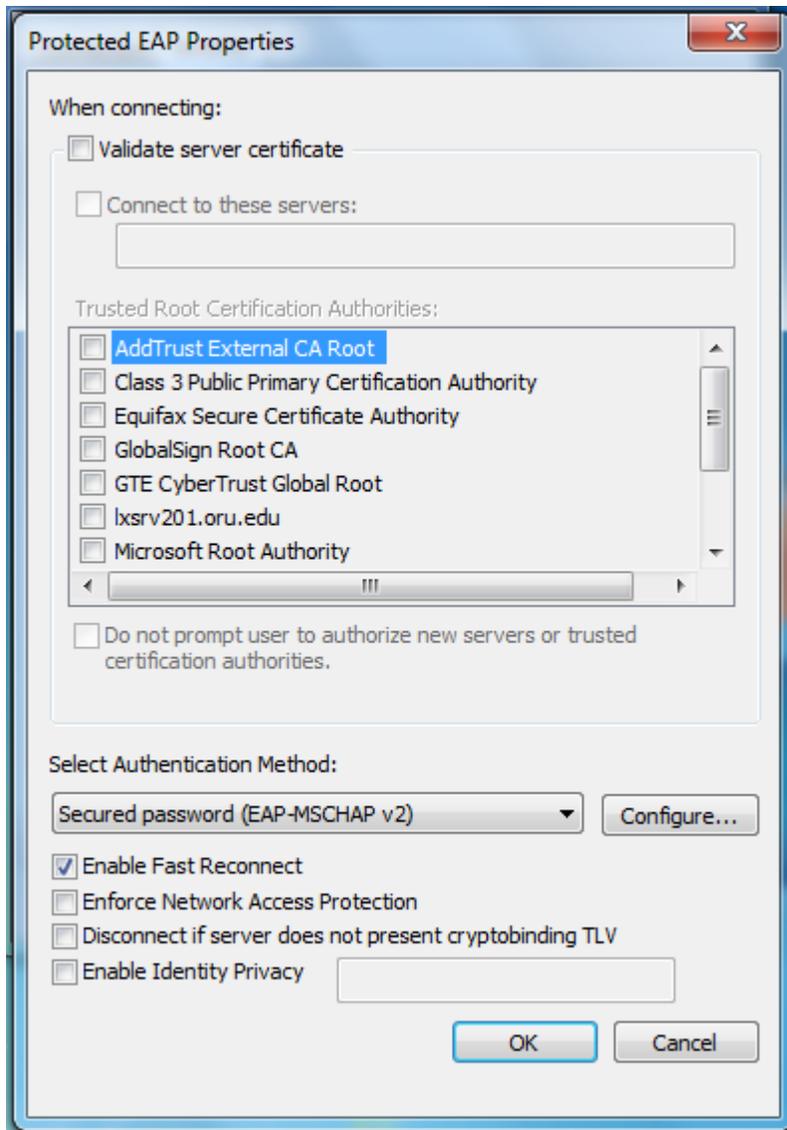
- Uncheck the "Validate server certificate" checkbox if it is checked.
- Select "Secured password (EAP-MSCHAP v2) from the Select Authentication Method drop down.

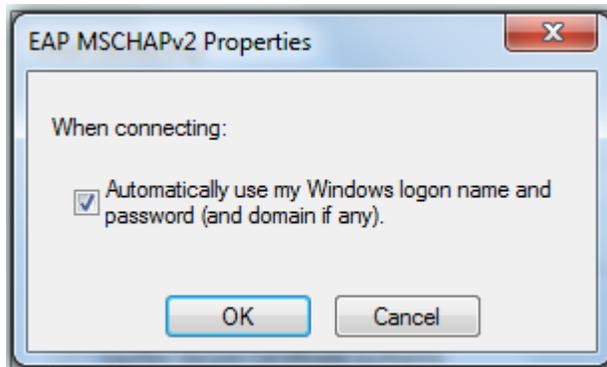Click the Configure button to open the EAP MSCHAPv2 Properties window (Figure 12).

Figure 12

- If your user name and password on the device is the same as your Novell user name and password, you may check the "Automatically use my Windows logon name and password (and domain if any)." checkbox. This setting will enable you to log into the network without entering your user name and password a second time. Otherwise, uncheck the checkbox.

Click the OK button.

Click the OK button on the Protected PEAP Properties window.

Click the Advanced Settings button on the Wireless Network Properties window. The "Advanced settings" window will open (Figure 13). Select the 802.1x tab.
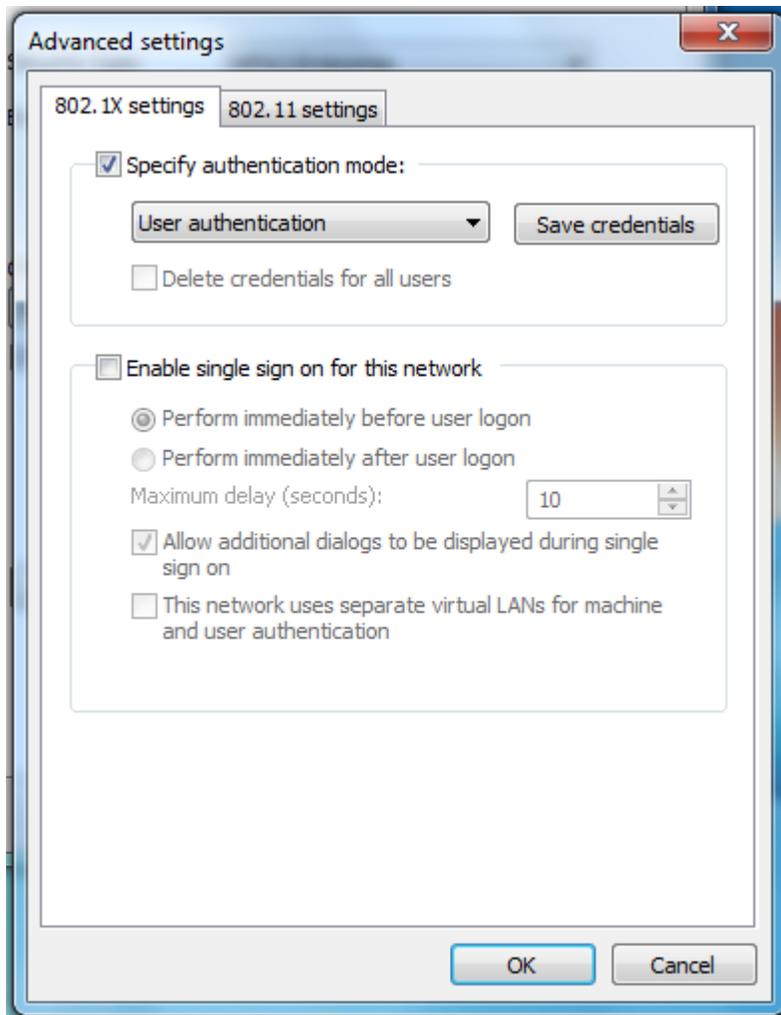
- Check the Specify authentication mode checkbox.
- Select User authentication from the drop down list.

Click the OK button.

Click the OK button on the Wireless Network Properties window.

At this point the device should be configured to connect to an ORU wireless network. You should be able to connect as described earlier. Step back thru the settings if you are not able to connect, paying close attention to the network name of SSID. It is case sensitive.