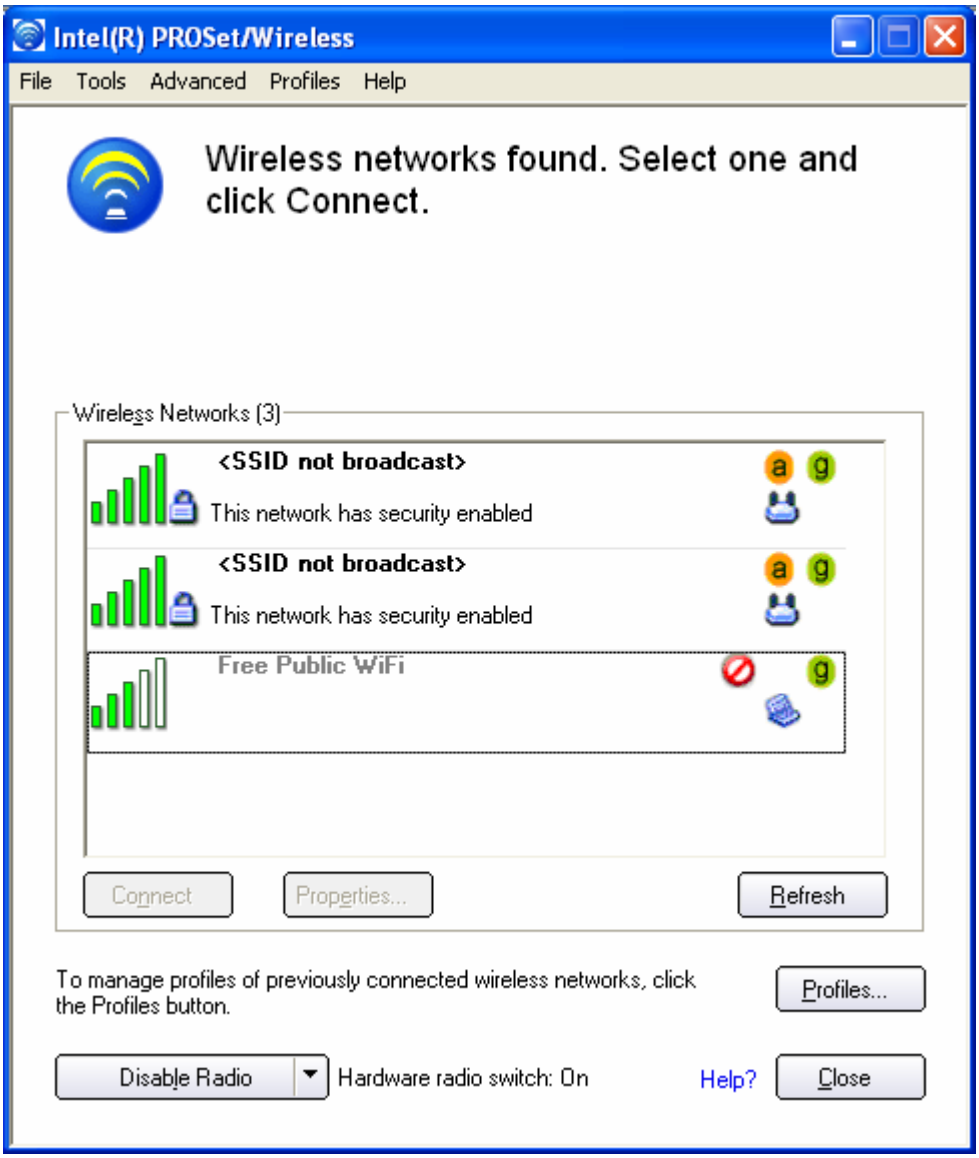
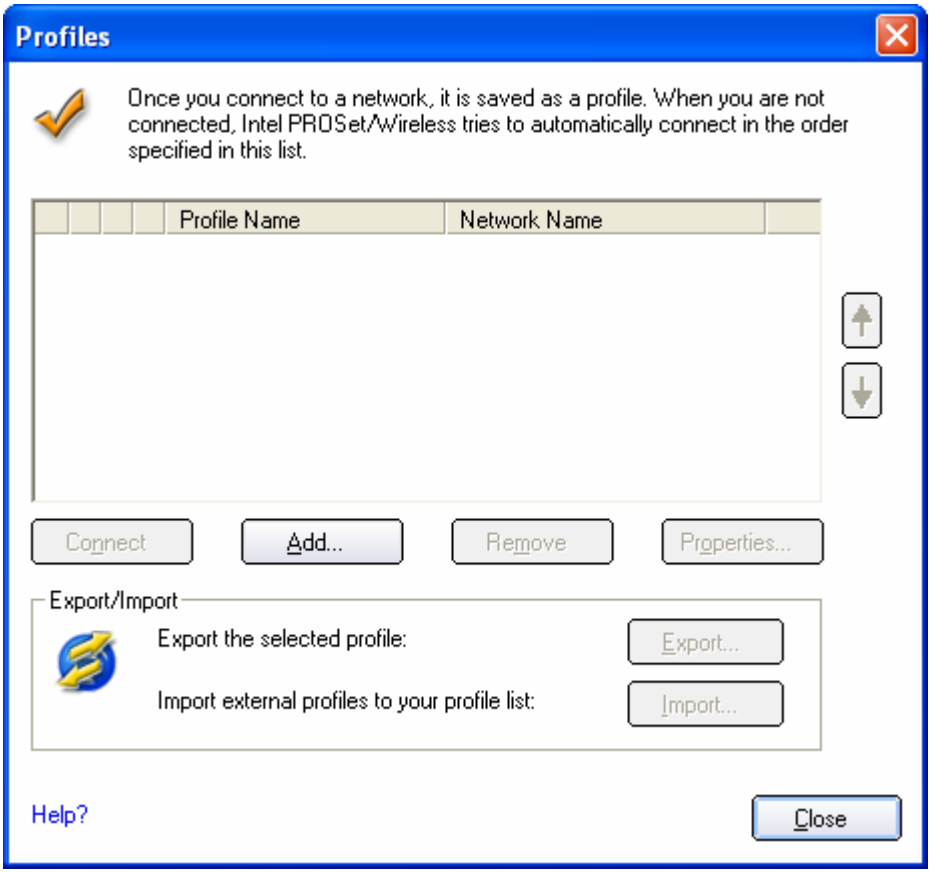
Intel 3945ABG PROSet/Wireless Client Configuration – Dell Latitude D820

1. Open the PROSet/Wireless Client Configuration Utility
2. Click on the Profiles…



3. Select Add…

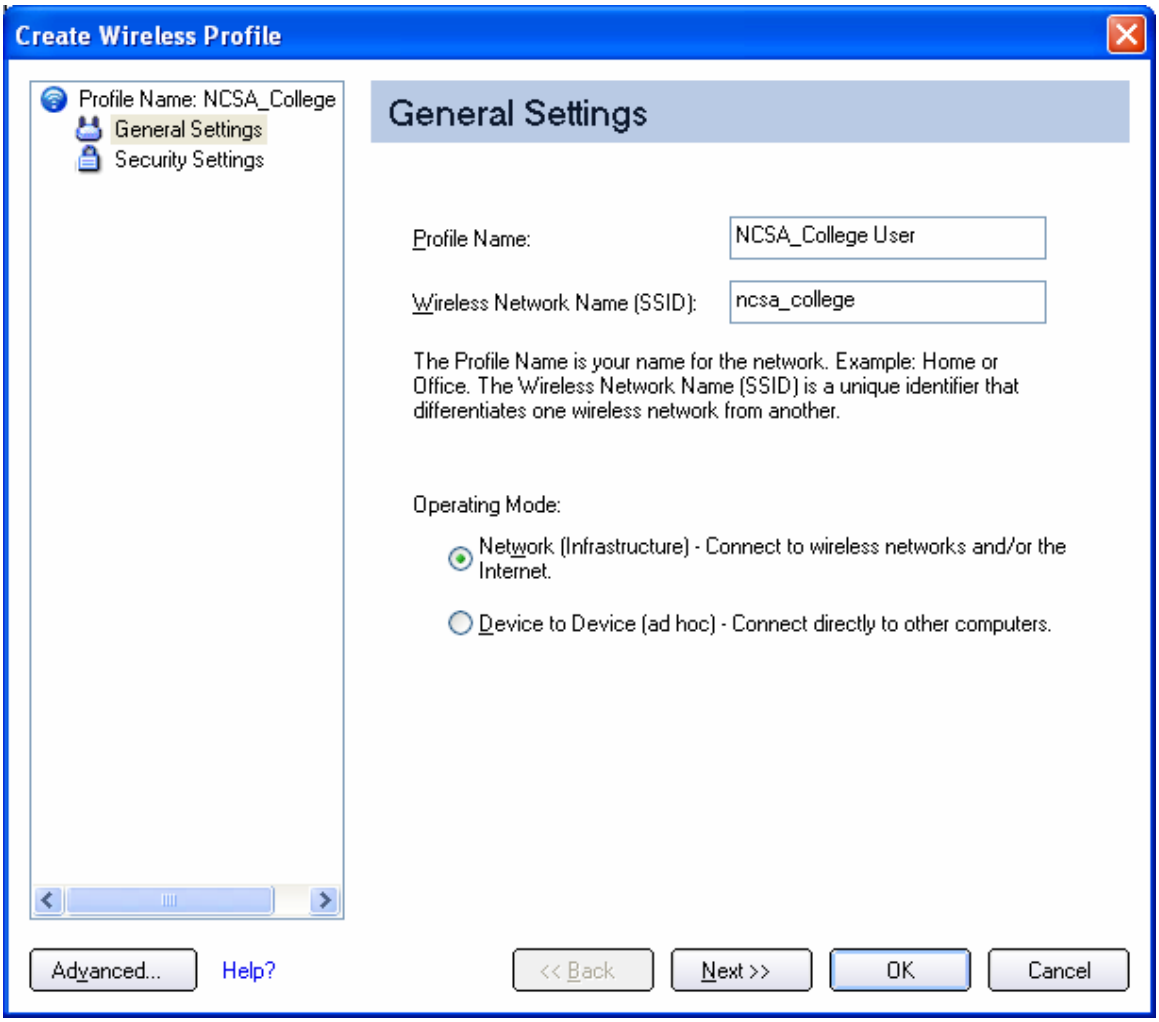


4. Fill out the information as directed below Enter Profile Name: NCSA_Admin Useror NCSA_College User shown below

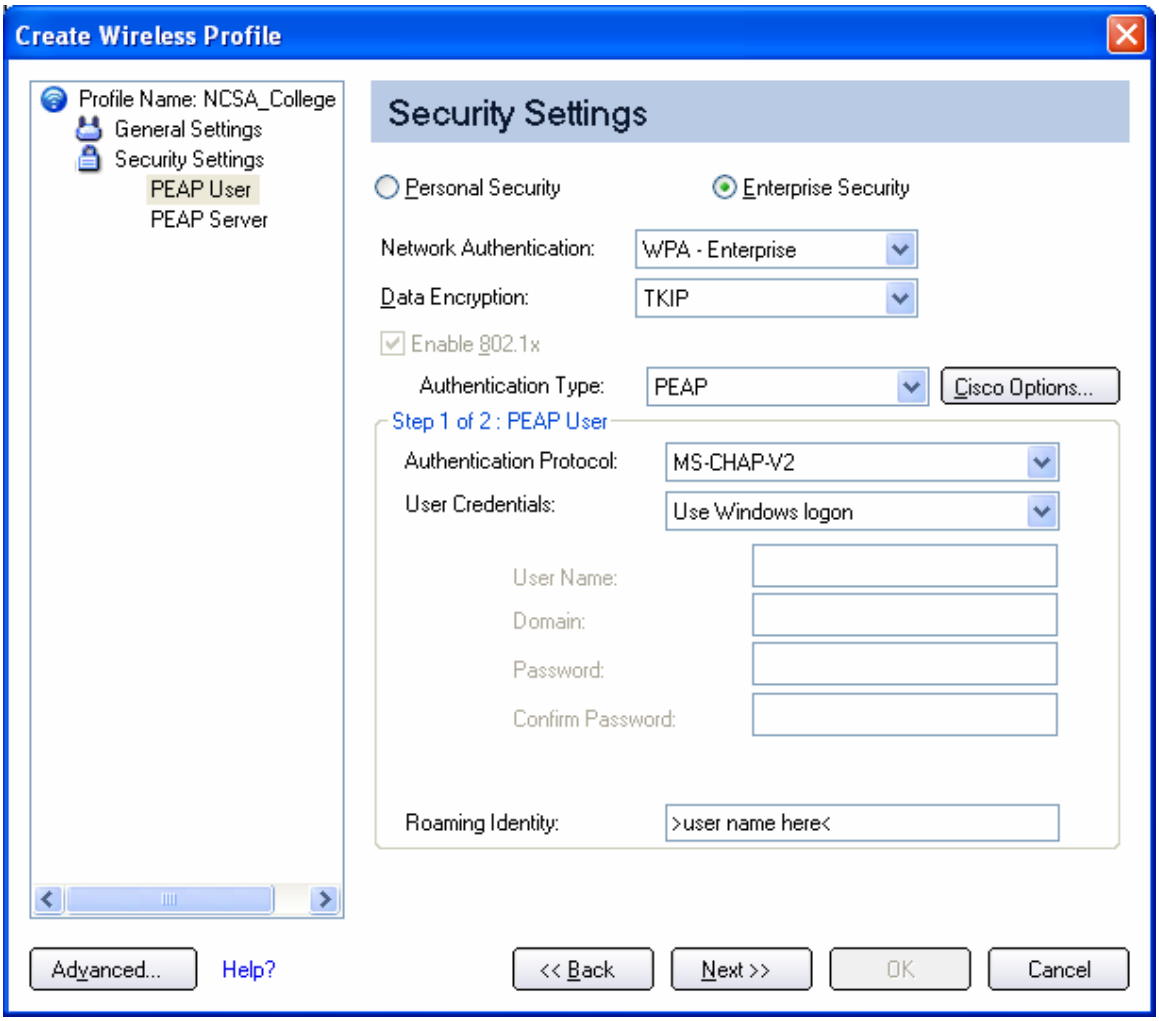
   Enter SSID1 based on category below:

   - Faculty/Staff use: **ncsa_admin**
   - High School students use: **ncsa_hs**
   - College students use: **ncsa_college**

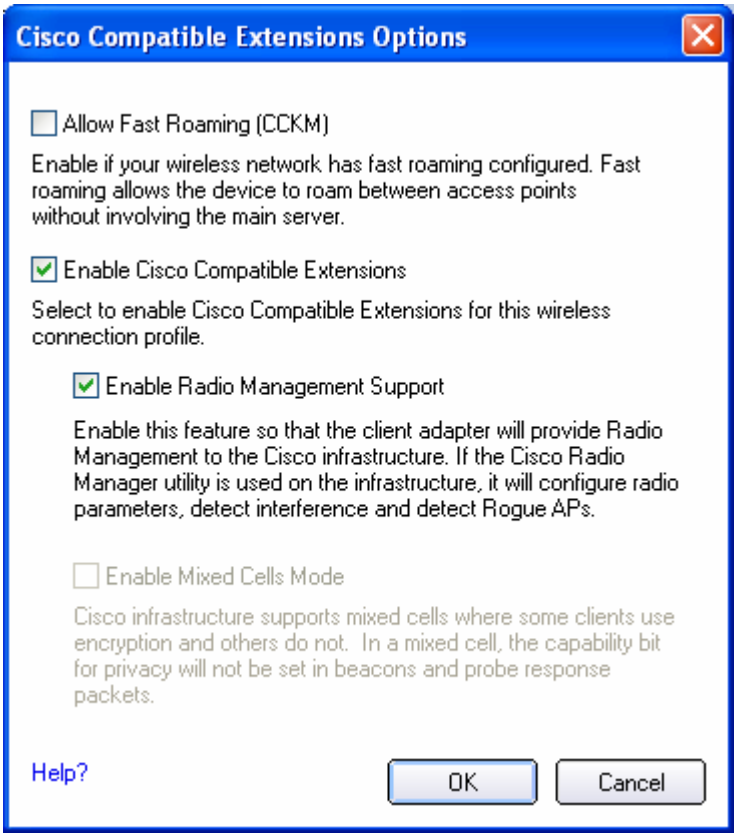
Click Next



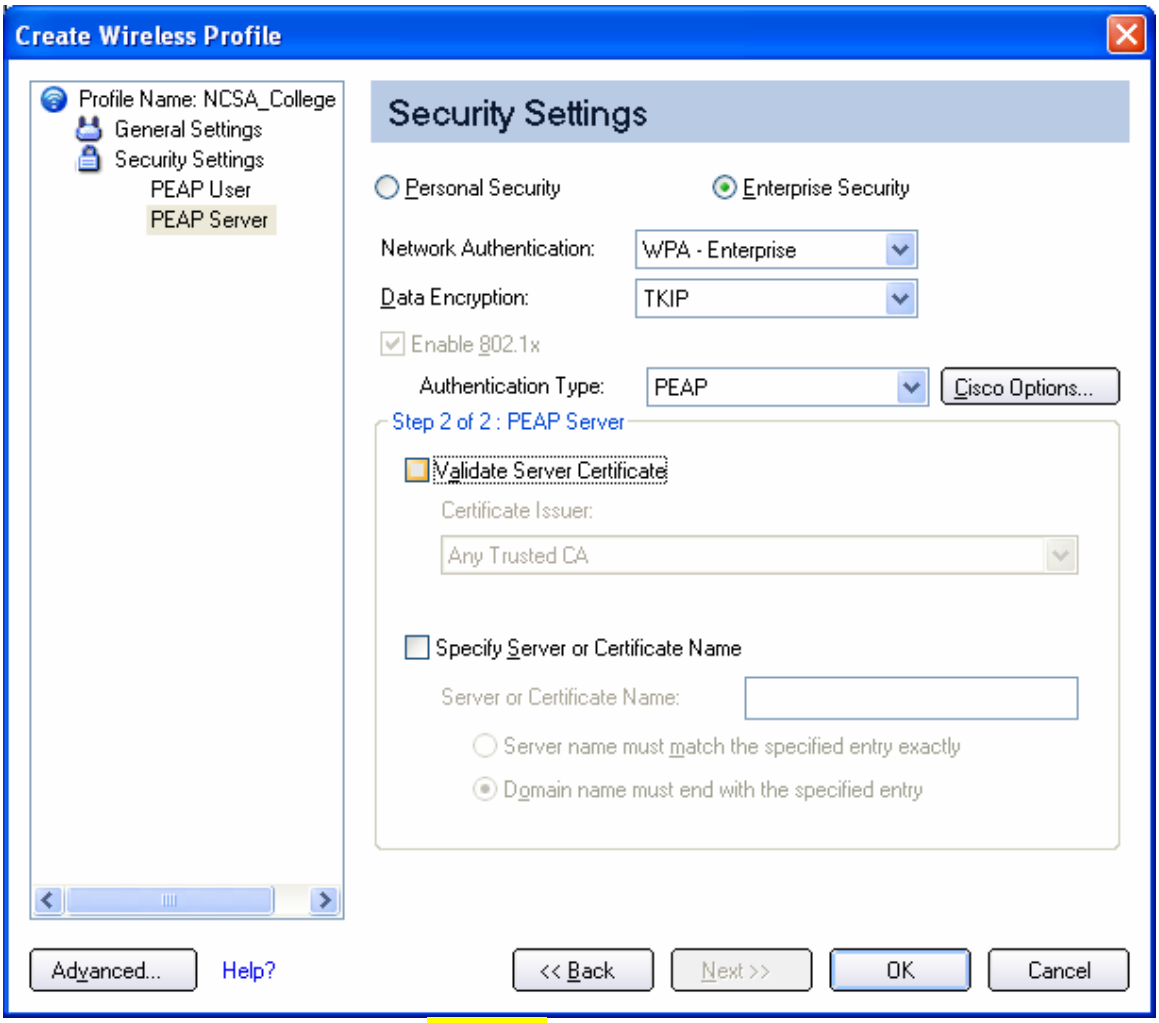
5. Choose Enterprise Security
   Network Authentication: WPA - Enterprise
   Data Encryption: TKIP
   Authentication Type: PEAP
   Authentication Protocol: MS-CHAP-V2
   User Credentials: Use Windows Login (students should select an option that allows them to fill out the user name/ domain/ password with their student email information.)



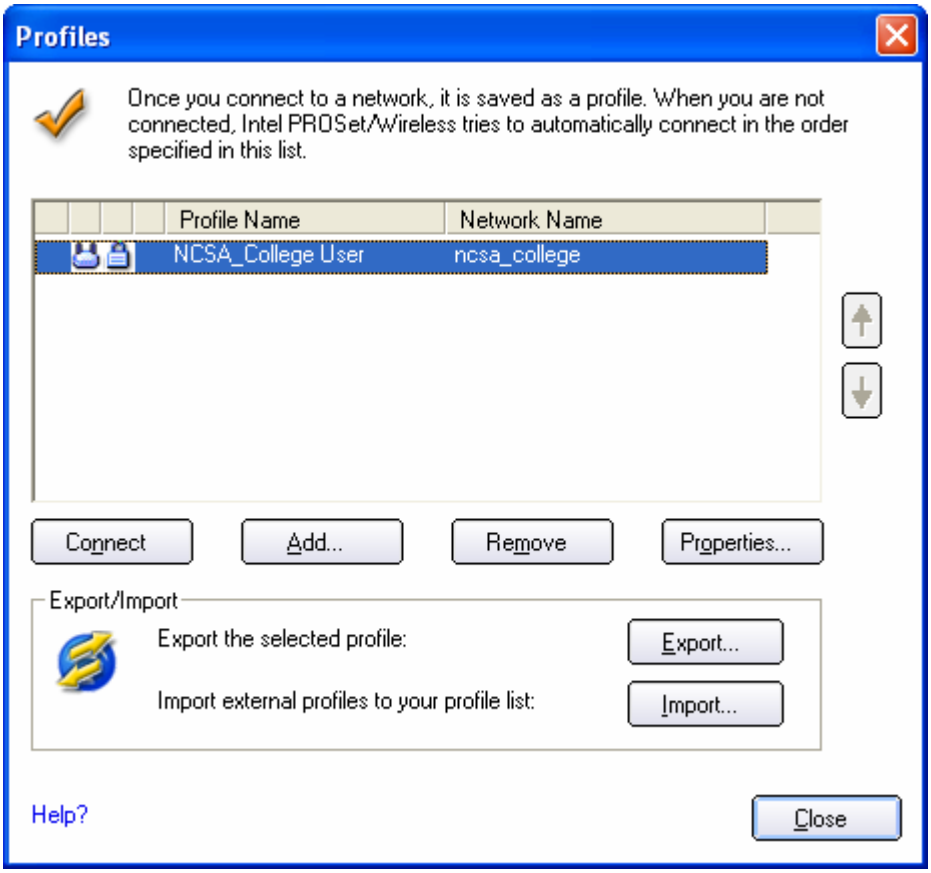
6. Click Cisco Options...
7. Make sure that Enable Cisco Compatible Extensions and Enable Radio Management are checked


Cisco Compatible Extensions Options
Allow Fast Roaming (CCKM)
Enable if your wireless network has fast roaming configured. Fast roaming allows the device to roam between access points without involving the main server.
Enable Cisco Compatible Extensions
Select to enable Cisco Compatible Extensions for this wireless connection profile.
Enable Radio Management Support
Enable this feature so that the client adapter will provide Radio Management to the Cisco infrastructure. If the Cisco Radio Manager utility is used on the infrastructure, it will configure radio parameters, detect interference and detect Rogue APs.
Enable Mixed Cells Mode
Cisco infrastructure supports mixed cells where some clients use encryption and others do not. In a mixed cell, the capability bit for privacy will not be set in beacons and probe response packets.
Help?
OK
Cancel

8. **Uncheck** Validate Server Certificate
9. Click OK

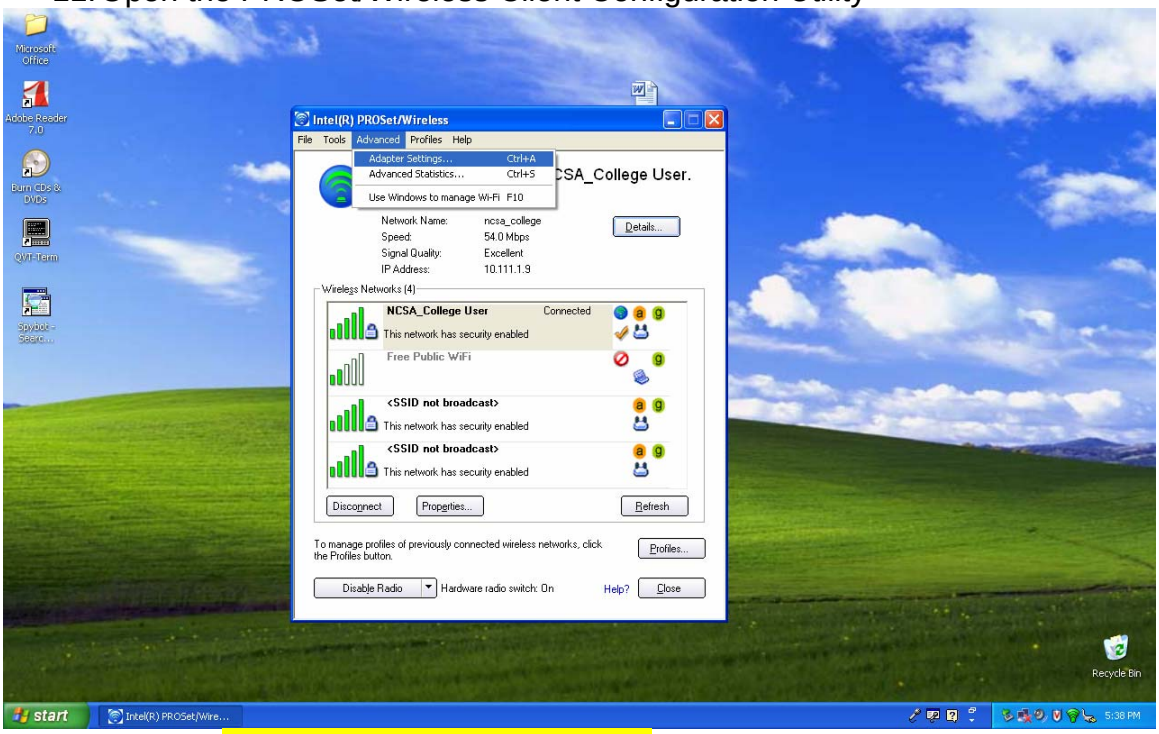


10. Select profile and click Connect

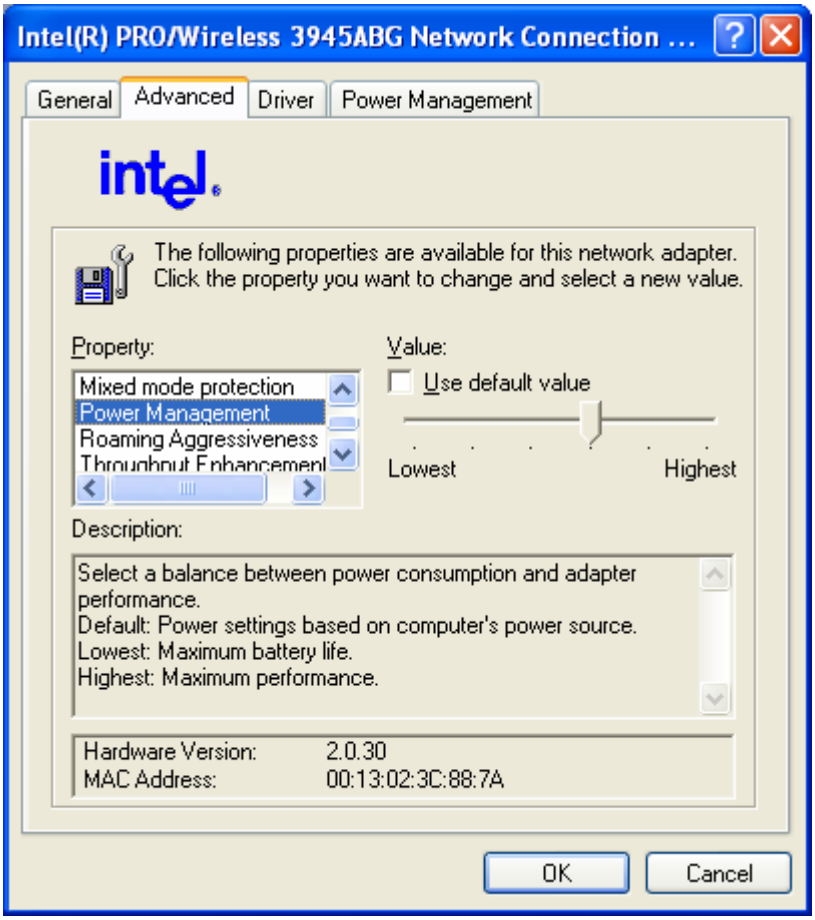


The successful connection should have a pop-up with your IP address and connection speed.

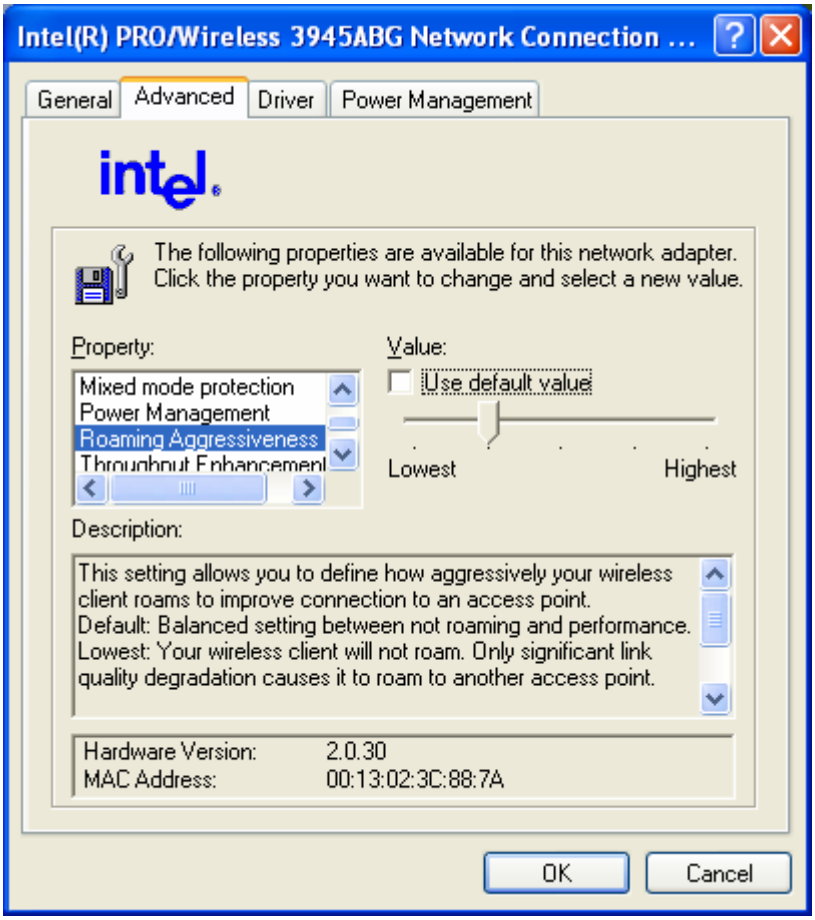
11. Open the PROSet/Wireless Client Configuration Utility



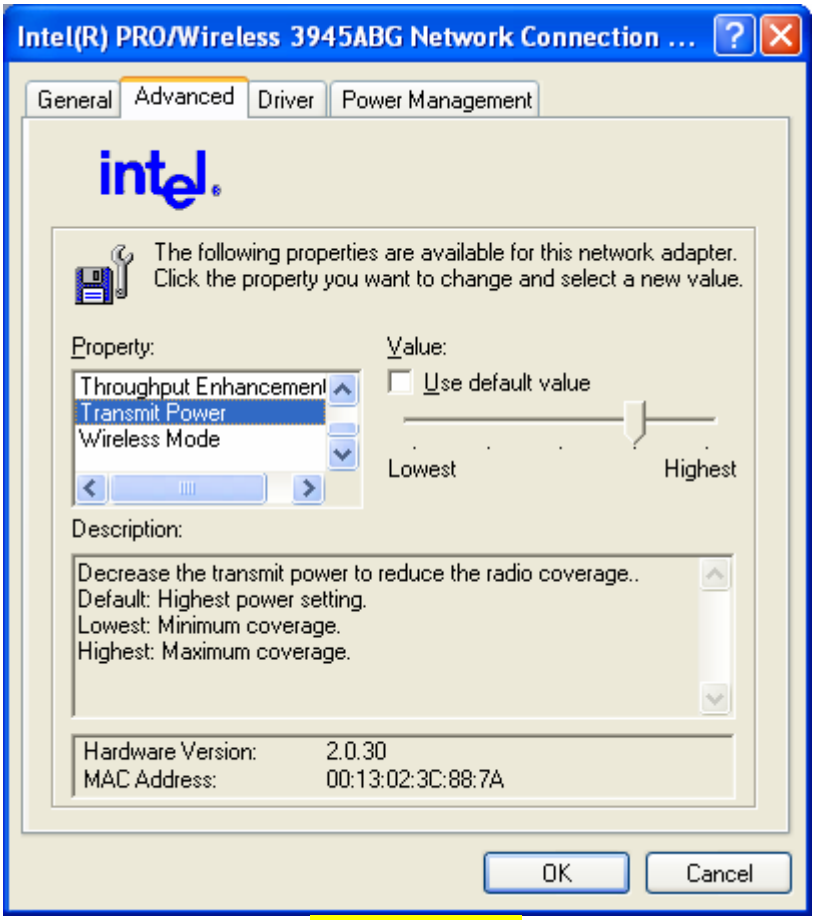
12. Click on Advanced>Adapter Settings…
13. Scroll down to Power Management and adjust the slide to the position in the picture.



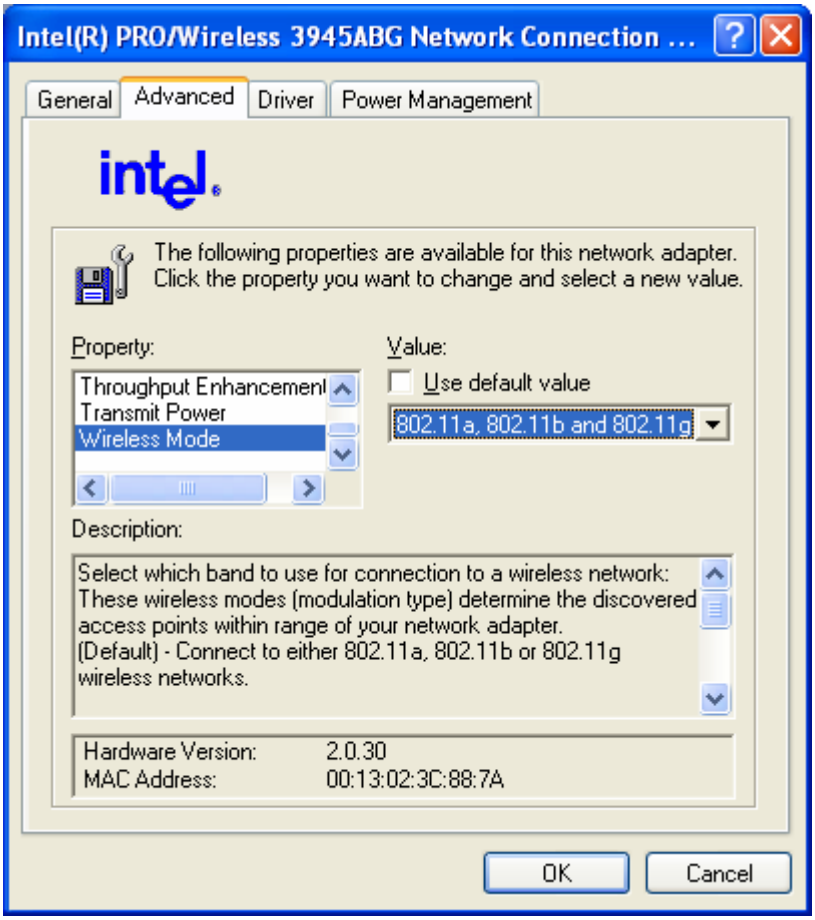
14. Scroll down to Roaming Aggressiveness and adjust the slide to the position in the picture.



15. Scroll down to Transmit Power and adjust the slide to the position in the picture.



16. Scroll down to Wireless Mode and select 802.11a, 802.11b, and 802.11g.
17. Click OK


Intel(R) PRO/Wireless 3945ABG Network Connection ...
General
Advanced
Driver
Power Management
intel
The following properties are available for this network adapter.
Click the property you want to change and select a new value.
Property:
Throughput Enhancement
Transmit Power
Wireless Mode
Value:
Use default value
802.11a, 802.11b and 802.11g
Description:
Select which band to use for connection to a wireless network:
These wireless modes (modulation type) determine the discovered
access points within range of your network adapter.
(Default) - Connect to either 802.11a, 802.11b or 802.11g
wireless networks.
Hardware Version: 2.0.30
MAC Address: 00:13:02:3C:88:7A
OK
Cancel