

# Connecting to The Yolo County Library's Wireless Server on Windows Vista or Windows XP

## To Connect Via Windows Vista

### Problem Symptom:

Vista Operating System is unable to connect to the Internet even though the wireless connection is shown available.

### Technical issue:

Some routers or non-Microsoft DHCP servers cannot support the DHCP discovery packet of Vista Operating system. As a result, your computer is unable to get the IP addresses dynamically in boot time.

### Solution (please follow listed steps patiently):

<p><b>Step 1: Disable the IP Helper service:</b>                  1-hold the Windows key and type R, type services.msc and press Enter (to find "Windows Key" see below)                  2-Scroll down to the IP Helper service, right click on it and select Properties                  3-In the dropdown box that says "Automatic" or "Manual", set it to Disabled and then click on "Apply"                  4-Click on "Stop" to stop the service from running in the current session                  5-Click OK to exit the dialog box</p> 	<p><b>Step 2: Disable the IPv6:</b>                  1-Hold the Windows key and type R, enter the ncpa.cpl and press Enter                  2-Right click on each Wireless network connection and select "Properties"                  3-Remove the checkmark from the box next to Internet Protocol Version 6 (TCP/IPv6)                  4-Click OK to exit the dialog box.</p>	<p><b>Step 3: Disable the DHCP Broadcast Flag:</b>                  1-Hold the Windows key and type R, type regedit and press Enter                  2-Locate and then click the following subkey: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{GUID} (Note: to find GUID go to the "How to Find" section below)                  3-In this registry path, click the (GUID) subkey to be updated                  4-If the key DhcpConnForceBroadcastFlag does not exist, use the Edit menu, point to New and then click DWORD (32-bit) Value. In the New Value#1 box, type DhcpConnForceBroadcastFlag and then press ENTER. &lt;If the DhcpConnForceBroadcastFlag already exists, skip&gt;                  5-Right click DhcpConnForceBroadcastFlag, and then click Modify                  6-In the Value data box, type 0, then click OK                  7-Close Registry Editor</p>	<p><b>Step 4: Enable DhcpConnEnableBcastFlagToggle</b>                  1-Hold the Windows key and type R, enter regedit and press Enter                  2-Locate and then click the following registry subkey: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{GUID}                  3-In this registry path, click the (GUID) subkey to be updated. On the Edit menu, point to New and then click DWORD (32-bit) Value                  4-In this New Value #1 box, Type DhcpConnEnableBcastFlagToggle, and then press Enter                  5-Right click DhcpConnEnableBcastFlagToggle then click Modify                  6-In the Value data box, type 1 then click OK                  7-Close Registry Editor</p>
--	---	--	---

How to find GUID of wireless adapter:

- Start → Programs → Accessories → Right click command prompt, select Run as Administrator and press Continue
- Then, type in net config rdr and press Enter
- Screen shot below shows an example of GUID: {1C9324AD-ADB7-4920-B02D-AB281838637A} in the 7<sup>th</sup> line

```
C:\>net config rdr
Computer name           \\win2k
Full Computer name     win2k.kylelai.com
User name               superuser

Workstation active on
NetbiosSmb (000000000000)
NetBT_Tcpip_{1C9324AD-ADB7-4920-B02D-AB281838637A} (00C095ECB793)

Software version       Windows 2000

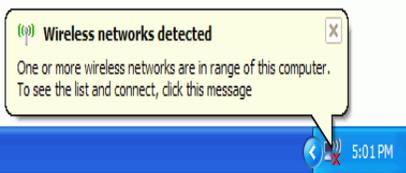
Workstation domain     KYLELAI
Workstation Domain DNS Name kylelai.com
Logon domain           KYLELAI

COM Open Timeout (sec) 0
COM Send Count (byte) 16
COM Send Timeout (msec) 250
The command completed successfully.
```

## To Connect Via Windows XP – You will need a laptop w/ 802.11b or 802.11g wireless network interface card. TCP/IP is the only protocol supported

First time use:

Start up laptop within range of access point. You should see this box:



Click anywhere on the yellow message box.

You will then see the screen below. Click Connect button at the bottom of the screen.



A message warning that the connection is not secure will appear. Click "Connect Anyway".



Once you have made a successful connection, you will see something like the following



Choose PUBLIC then close these windows and open your Internet Browser

## To Print Wirelessly from your laptop in any Yolo County Library:

<p><b>Step 1:</b> Open the web browser enter url:  <a href="http://172.31.2.252:30044/clientlauncher">http://172.31.2.252:30044/clientlauncher</a></p>	<p><b>Step 2:</b> Click Run Print Client</p>	<p><b>Step 3:</b> Follow the prompts to save the file or run it.</p>	<p><b>Step 4:</b> Open the document you wish to print. Click on File, Print or click on the printer icon.</p>	<p><b>Step 5:</b> A window will open prompting you to select black and white or color prints, the number of pages, etc. Click OK to start.</p>	<p><b>Step 6:</b> After the job has been spooled to the printer, you will be prompted for a USER ID. Make up and enter a temporary name for your print job.</p>	<p><b>Step 7:</b> At the print station, enter your USER ID to retrieve your print job.</p>
--	--	--	---	--	---	--

**DISCLAIMER:** this wireless service is not inherently secure. We cannot guarantee the privacy of your data and communications while using the wireless service. When using this service you are doing so at your own risk. The County and Libraries assume no responsibility for damages that occur when using this service.