

Configuring iPhone or iPod touch for Wireless and Secure Connection

The Apple iPhone and iPod touch Operating System version 2.0 introduced improvements to the 802.1x authentication suite for 802.11 Wi-Fi as well as new support for Cisco IPsec VPN connectivity. This allows the device to connect to the Athens wireless network and remotely from outside the institution via our Cisco IPsec VPN gateways. Using VPN allows for browsing CUMC and NYPH intranet sites and other resources on the secured network.

This handout gives instructions on connecting to both the secured wireless campus network called Athens, and VPN which allows you to access CUMC and NYPH intranet sites and other resources that require a secure connection.

Please remember that Athens may only be used when on campus, while VPN can be used anywhere that your device can connect to Wi-Fi. You do not need VPN unless you are not connected to Athens, and want to access intranet sites or other secured resources.

Pre-Requirement

Before configuring your device, you must first verify that it has an Operating System of 2.0 or higher.

1. From your device's Home screen, select the **Settings** icon
2. In the **Settings** options, select **General**
3. In **General**, select **About**
4. Look next to **Version**, it must read 2.0 or above to configure Athens

Step 4



Configuring

1. Make sure the device has an active Network Connection (3G, Edge, or Wi-Fi)
2. Open Safari and go to the web site at: <http://kor.cpmc.columbia.edu/iphone/>
3. This site will present a link to **Install NYP iPhone Enterprise Profile**. Select this link and a prompt to install **NYP Enterprise Protocol** will appear.
4. Select the **Install** button, then **Install Now** in the pop up window. If your device has a passcode lock, you will be prompted to enter it.
5. You will be prompted to enter your UNI and password **3 times** (once for Wi-Fi, once for VPN East, and once for VPN West). Type in each as prompted, selecting the **Next** button in the upper right to reach the next login or password field.
6. The installation will complete, with a **Done** button appearing in the upper right corner. Select **More Details** at the bottom of the window to verify that the profiles installed successfully. You should see nyx.cpmc.columbia.edu under **Certificate**, **Passcode Policy** under **Password Policy**, and 2 VPN entries under **VPN**.
7. Return to the Home Screen, go in to **Settings** and check for a new entry labeled **VPN** underneath **Wi-Fi**.



Step 4



Step 6

Please see the other side of this handout for steps to test that Athens and VPN were installed correctly.

Testing Athens

FOR THE FOLLOWING STEPS, YOU MUST BE IN AN AREA THAT IS WITHIN THE WIRELESS COVERAGE AREA. It will not work if you are off campus or in an area that does not have Athens wireless in range. See http://www.cumc.columbia.edu/getting_started/wirelessloc.html for a list of areas with Athens.

1. Go in to the device's **Settings** panel and verify that **Wi-Fi** is turned **On**.
2. Scroll to the bottom of the screen and TURN OFF the **Ask to Join Networks** option.
3. Scroll back to the top of the list and select **athens**. If you do not see athens, you are not within the coverage area and cannot test the installation at this time.
4. A screen will appear that reads **Certificate** along the top and **nyx.cpmc.columbia.edu** underneath. Select the **Accept** button.
5. Once the **Accept** button is no longer on the screen, select **More Details** and verify that the **Organization Name** reads NYP (see picture to the right).
6. Select the **Certificate** button in the upper left corner to return to the previous screen. In the list of wireless networks available, verify that **athens** has a blue check mark next to it. Return to the device's Home screen; you should see the Wi-Fi icon in the upper left corner indicating that you are connected.
7. Open Safari and go to <http://infonet.nyp.org>. This is an intranet web site that is only accessible from when on campus or when connected securely via VPN; if you are able to access the web site, the installation was successful.



Testing VPN

NOTE: The following steps can be done in any Wi-Fi area, including off-campus locations, and *must not* be done when connected to the **athens** network on your device (since athens is a secured network, the test will always work when connected to it).

1. To test VPN, ensure that you are connected to a network (Wi-Fi, 3G, or Edge) that is NOT ATHENS.
2. Select the **Settings** icon from your device's Home screen, and then select **VPN**.
3. Select the **NYP Remote - West Configuration** so that a blue check mark appears to the left.
4. Turn VPN **On** by tapping the on/off button to its right at the top of the window.



5. VPN should start to connect, then will prompt you to either Disconnect or click OK; select **OK**. Once connected you will see a VPN icon in the upper left corner of your device's screen.

6. Select **Status** to view the IP Address and time connected. Select VPN, then Settings to return to the main settings screen. VPN should display as **Connected**.

7. Go your device's Home screen and open Safari to access <http://infonet.nyp.org>. If you can view that webpage, VPN is set up correctly.

