



Patrick Henry College

Connecting to the Network – Linux

[Note: The following instructions are based on Ubuntu Linux. The details of each step may vary if you are using a different Linux distribution.]

Part 1: Connecting to the PHC Secure Network

1. Connect your computer to the **PHC-Secure** network.
2. When prompted to enter authentication settings, use the following:
 - **Wi-Fi Security:** WPA & WPA2 Enterprise
 - **Authentication:** Protected EAP (PEAP)
 - **Domain:** staff.phc
 - Check **No CA certificate is required**
 - **PEAP version:** Version 0
 - **Inner authentication:** MSCHAPv2
 - **Username:** Student Portal username
 - **Password:** Student Portal password

Part 2: Registering Your Computer on the Network

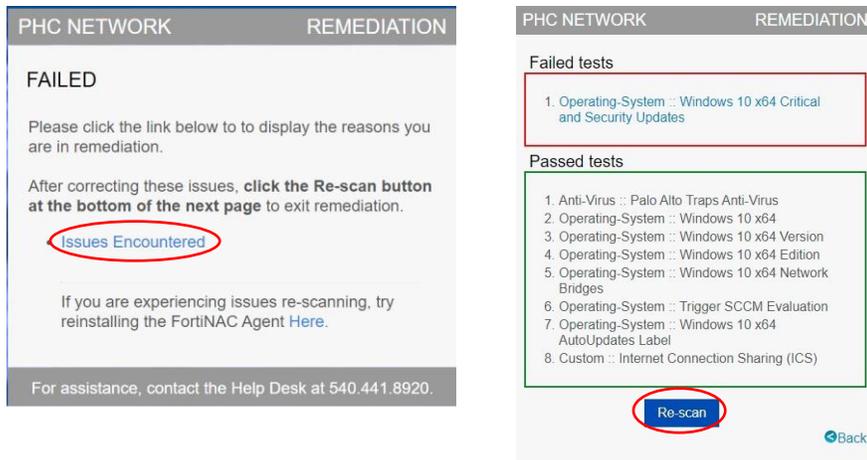
1. Once you are connected to PHC-Secure, a window may pop-up asking you to sign in. Close this window, as it will not allow you to download necessary files.
2. Open a web browser (e.g. Firefox) and navigate to “phc.edu”. You should be redirected to a registration page. Click “Faculty, Staff and Students”, enter your Student Portal username and password, and click “Submit.”
3. A page will appear with two download links for FortiNAC (our network access control program); one downloads a .rpm package and the other downloads a .deb package. Choose the correct package for your Linux distribution.
4. Install the package by running the appropriate command in Terminal (make sure it is pointed at the Downloads folder you saved the FortiNAC package to):
 - rpm:** `sudo rpm -Uvh [package name]`
 - deb:** `sudo dpkg -i [package name]`
5. After FortiNAC is installed, open the .conf file as root with this command:
 - `sudo open /etc/xdg/com.bradfordnetworks/PersistentAgent.conf`
6. Make the following changes in the conf file:
 - Next to "homeServer=" type **netaccess.phc.edu**
 - Next to “restrictRoaming=” type **true**
7. In Terminal, restart FortiNAC with this command:
 - `sudo service bndaemon restart`
8. If FortiNAC does not run after this, make sure that port TCP 4568 is allowed on the Linux firewall.

After a few seconds, FortiNAC will display a small pop-up window requesting your credentials. Enter your Student Portal username and password here.

7. FortiNAC will scan your computer for an approved antivirus. If your computer passes the scan, FortiNAC will reset your network connection and connect you to the internet. Otherwise, you will be sent to the remediation network and will need to follow the steps below.

Part 3: How to Get out of Remediation

1. Open your browser and navigate to a "phc.edu". Click on the "Issues Encountered" link (below left).



2. The next page will display a list of the areas in which your computer does not meet current policy. Clicking on the issue will take you to instructions for resolving the issue.

3. After you have resolved the issues, go back to the page from Step 2 and click the "Re-scan" button (above right). This will initiate a new scan that will let you know if you have resolved the issues or if more work needs to be done.* If resolved, the process outlined above in Step 7 will occur. If the issues are not resolved, you will be brought back to the same remediation page for another attempt.

**Please wait for a scan to complete before beginning another. Restarting the scan repeatedly will result in additional error warnings and may slow down the process.*