Using *eduroam* for Encrypted WiFi at the UW
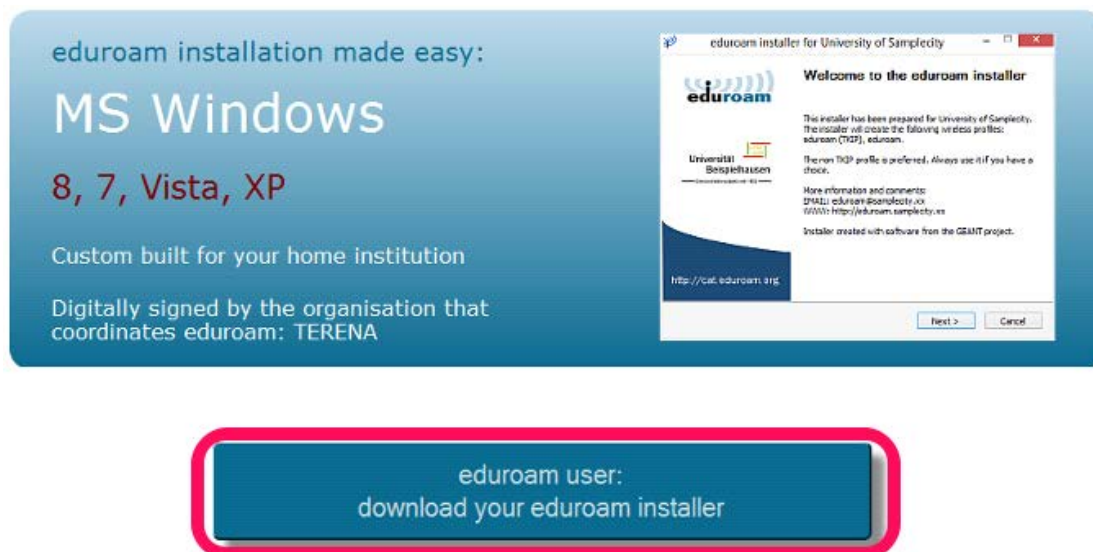
Brian High

Introduction

In this tutorial, you will see how to connect to the *eduroam* wireless network (WiFi) at the University of Washington. This is an alternative to using the "University of Washington" or "Patients and Visitors" wireless networks.

The primary benefit of using eduroam is that it offers encryption of all of your wireless netwok traffic, whereas the standard UW WiFi and offers no protection from "packet sniffing". Using *eduroam* will make it much harder for someone to "eavesdrop" on your Internet browsing or other online activity.

Before proceeding with this tutorial, you are encouraged to visit the Eduroam page at UW ITConnect to become more acquainted with this service. In this tutorial, we will use the *eduroam* Configuration Assistant Tool (CAT) to configure our device to use *eduroam*.

Step 1: From your web browser, **go to** https://cat.eduroam.org/

Step 2: **Select** ***download your eduroam installer***

Step 3: Select *University of Washington*

Step 4: Select your operating system version

Step 5: **Save the installer by selecting _Save File_**
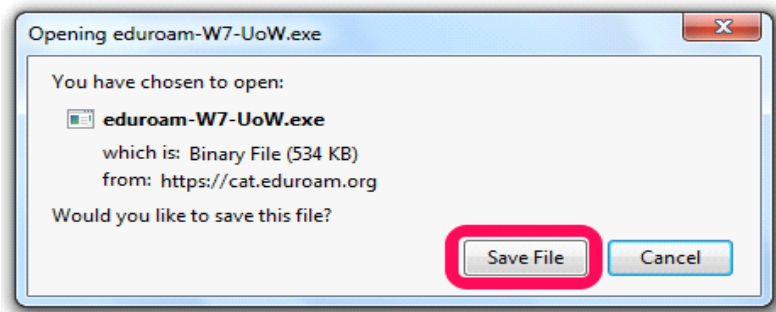
Step 6: **Select _Run_** when you see the _Security Warning_ and …
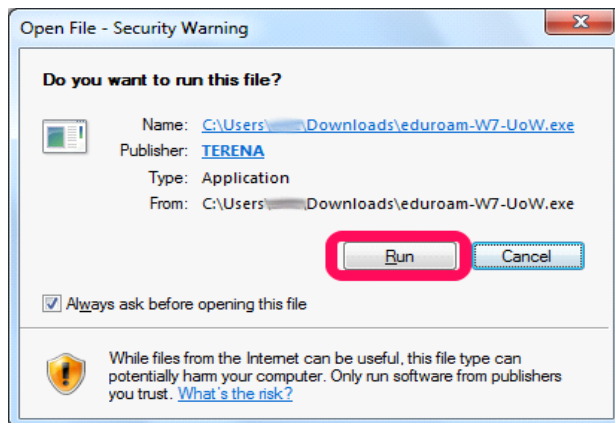
… **Select _Next_** to continue installing and …

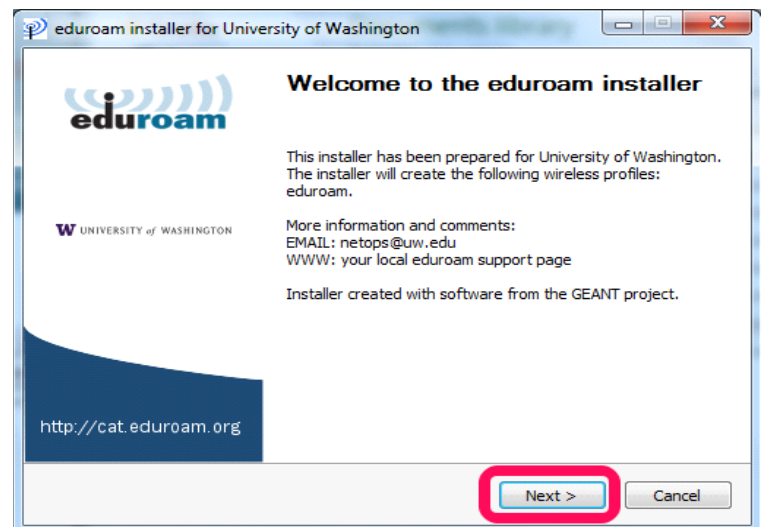… **Select _OK_** to acknowledge and continue
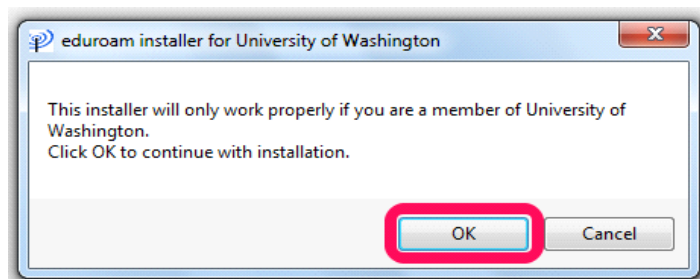
Step 7: **Complete the form (or leave blank)** …

Note: If you did *not* want your credentials to be stored, then you might think you could simply leave the form fields for *Username*, *Password*, and *Repeat password* **blank**. However, the installation "wizard" will not continue without these parameters, unfortunately. Here, a little security is sacrificed for the sake of simplicity. This always requires a balance, but we would have preferred an option to "prompt the user".
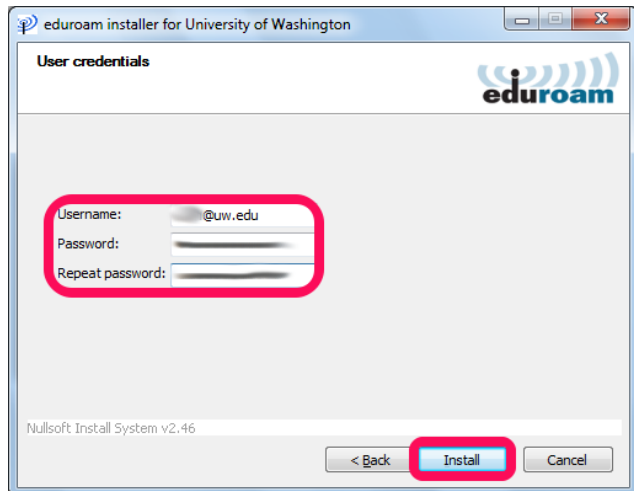
… then **select _Install_** and …

… **Wait** for the installation to complete and …
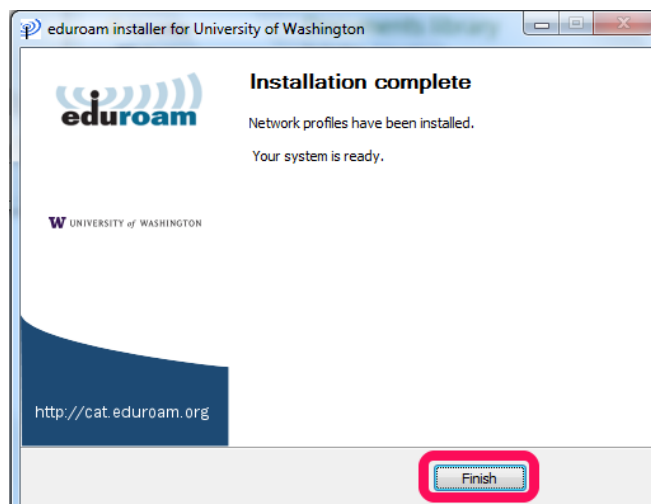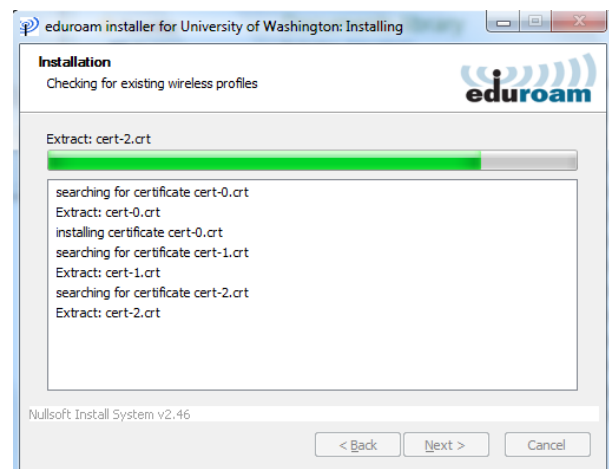
… **Select _Finish_**

Step 8: **Click the** 🔳 **(WiFi signal bars) icon** (in the taskbar …

Currently connected to:
Patients and Visitors
Internet access

Wireless Network Connection ⌃

Patients and Visitors   **Connected** 📶
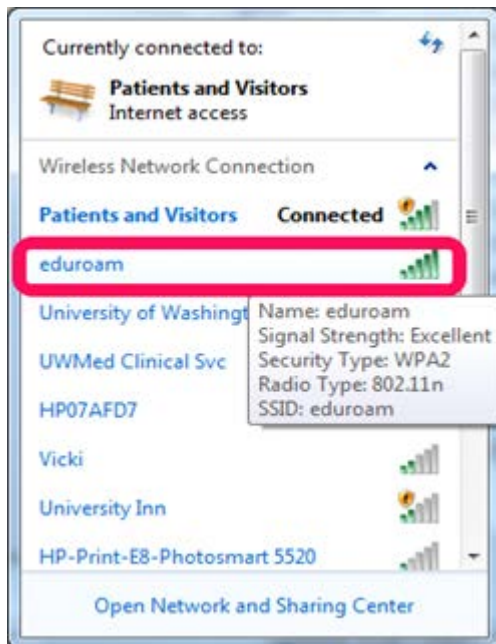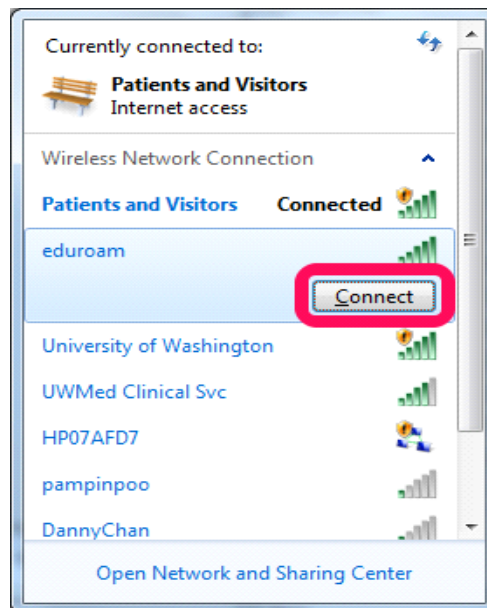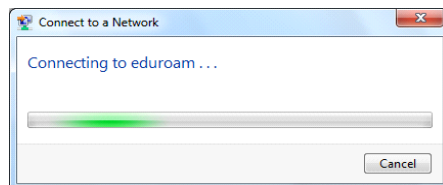
eduroam   📶

University of Washingt...   Name: eduroam
Signal Strength: Excellent
Security Type: WPA2
Radio Type: 802.11n
SSID: eduroam

UWMed Clinical Svc

HP07AFD7

Vicki   📶

University Inn   📶

HP-Print-E8-Photosmart 5520   📶

Open Network and Sharing Center

… **Select _eduroam_ and …**

… **Select _Connect_ and …**

Currently connected to:
Patients and Visitors
Internet access

Wireless Network Connection ⌃

Patients and Visitors   **Connected** 📶

eduroam   📶
    Connect

University of Washington   📶

UWMed Clinical Svc   📶

HP07AFD7   📶

pampinpoo   📶

DannyChan   📶

Open Network and Sharing Center

Connect to a Network

Connecting to eduroam . . .

Cancel
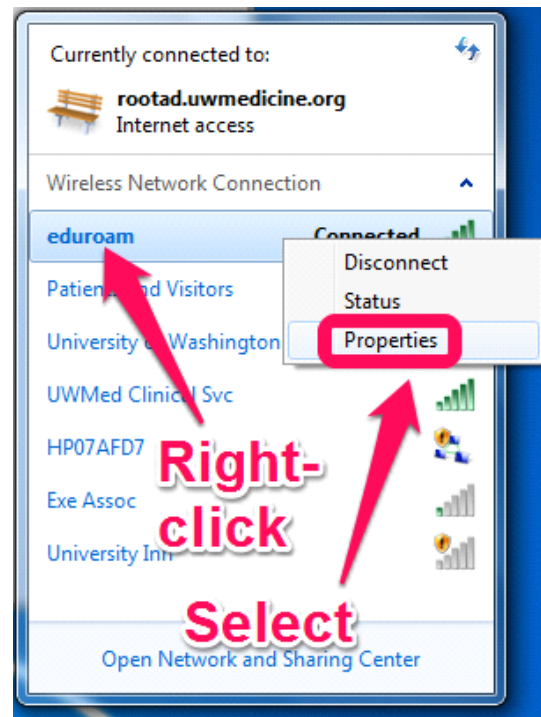
… **Wait** for your connection to complete.
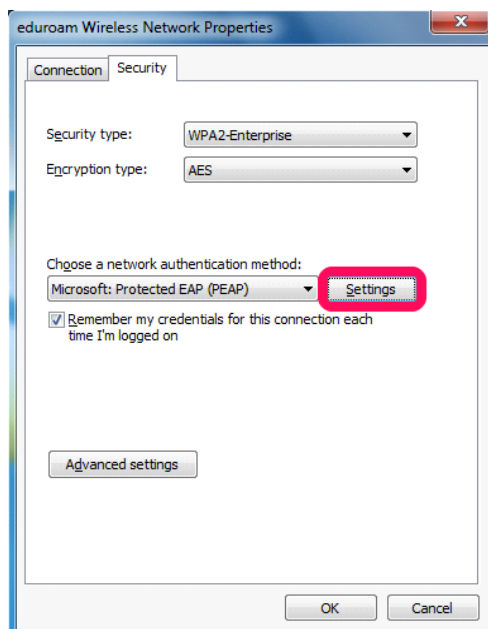
Step 9: **Confirm** that you have successfully _Connected_ and …
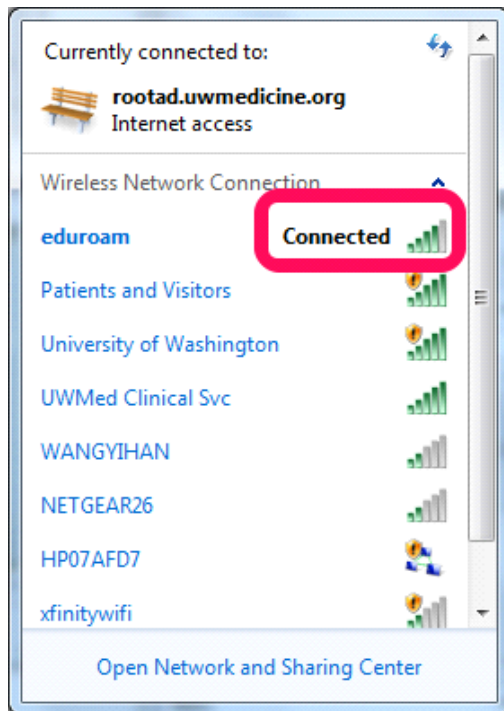
… **Right-click** _eduroam_ and … … **Select** _Properties_ and …

… **Select** _Settings_

Step 10: **Verify settings** and …

Verify that *Validate server certificate* is checked, that *Connect to these servers* is checked, and the that servers listed are: `bunyan11.cac.washington.edu;bunyan12.cac.washington.edu`

Also, verify that the *AddTrust External CA Root* is listed and checked under *Trusted Root Certification Authorities*. When all of these settings have been verified, select **OK** to finish.
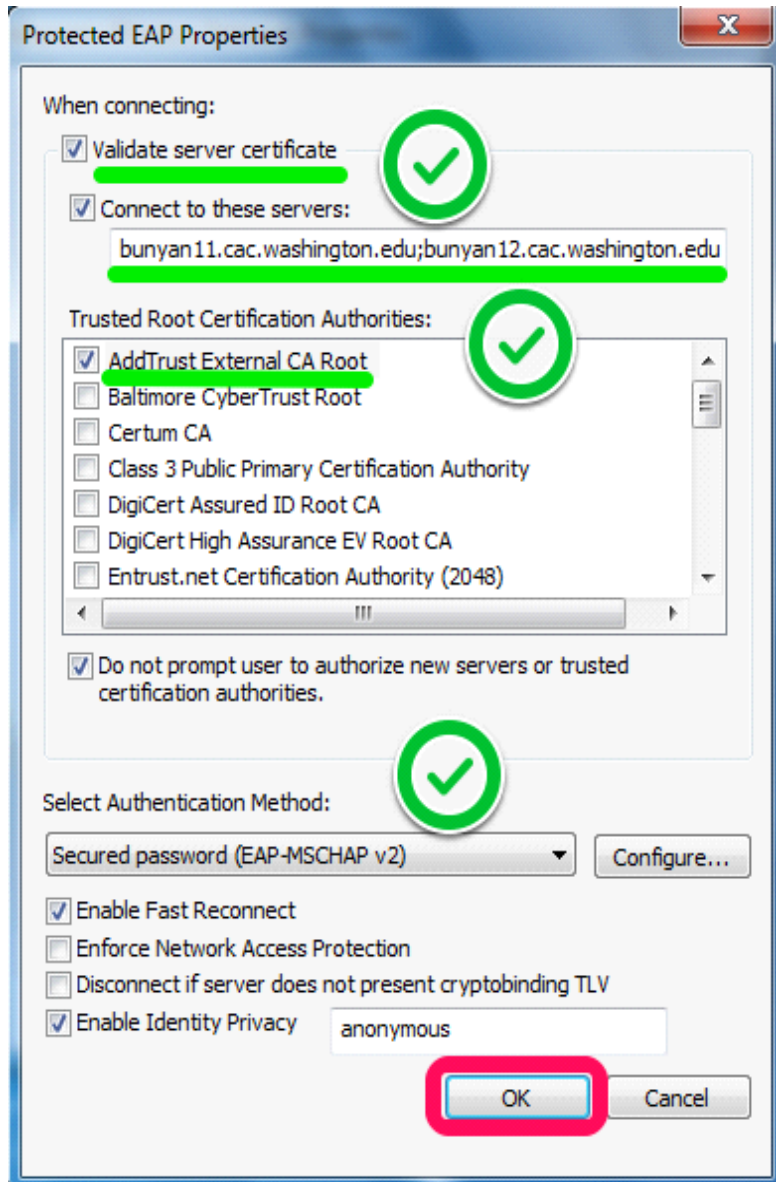
… **Select _OK_** to finish the procedure

About this tutorial

This tutorial was created by using a Windows 7 SP1 laptop (Lenovo X60s). Screenshots were made using the [**Alt**][**PrtSc**] keystroke combination, *Gimp* and *Skitch*. Images were imported into *MS Word 2010*, which was used to compose the document. The PDF was generated with *Adobe PDF*.