

Blackberry configuration guide for the University of Cumbria's implementation of eduroam

Introduction

There are many different versions of the Blackberry OS and many different Blackberry devices, and as such this guide covers the setup of the eduroam service on a Blackberry Bold device. Your Blackberry device may use slightly different terms to that of the instructions below, but in tests most people can complete the setup using this guide.

To install eduroam on a Blackberry phone you need to do 2 things, 1 – Install the certificate if not already installed, 2 – Configure your Wi-Fi profile.

How do I configure my Blackberry?

There are two parts to setting up your Blackberry device for the eduroam service.

1. Install the certificate; this is a one-time task and very important for security purposes. It is essential to install our certificate on to your device as using eduroam without a certificate will make your device vulnerable to attack or snooping.
2. Configure your eduroam profile.

Do you have the certificate?

If you have a UoC Blackberry phone, you should already have the certificate installed, but to check you can do the following.

1. Go to "Options" (Spanner Icon) -> Security -> Advanced Security Settings -> Certificates.
2. Look down the list for "UoC-Servers", this should have a green tick next to it.
3. If it exists in the list, go to Task 2, if not go to Task 1.

Task 1 - Install Certificate

1. Open the web browser and enter the following url:
<http://certs.cumbria.ac.uk/UoC-Servers.crt>
2. Once loaded, scroll down the page and click on import.
3. When asked by KeyStore Access, click Ok.
4. Would you like to trust the certificate UoC-Servers? Click Yes.
5. You will need to choose a new key store password or enter your existing key store password.
6. Complete, continue to Task 2.

Task 2 - Set up Wi-Fi for eduroam

These steps must be completed on campus in an area where the eduroam wireless network is available.

1. Go to "Setup" select and click on "Wi-Fi"

2. In the list of available wireless networks, select and click on "eduroam"
3. Enter the following information :
 - a. Enterprise Sub-Type: PEAP
 - b. Username: <your computer login name>@cumbria.ac.uk
 - c. Password: <your computer login password>
 - d. CA certificate: UoC-Servers
 - e. Inner link security: EAP-MS-CHAP v2
 - f. Token: <None Selected>
 - g. Server subject: leave blank
 - h. Server SAN: leave blank
 - i. Ensure "Disable Server Certificate Validation" is not ticked.
 - j. Click "Connect".
4. Go back to "Setup" and again click on "Wi-Fi"
5. Scroll down to and click on "Saved Wi-Fi Network"
6. Highlight and click on eduroam
7. Scroll down through the settings and ensure "Allow inter-access point handover" is ticked.
8. Click on "Save" or "Save and Connect"
9. Done

Note: Blackberry models 9360, 9380, 9790, 9900, and 9810 have a bug which will prevent them from using eduroam and other secure enterprise wireless networks. This is due to the version of OpenSSL that is installed in these models. This bug has been known since January 2013. For more information see this knowledge base article:
www.blackberry.com/btsc/KB29914