



[SUPPORT](#) - [SECURITY](#) - [F.A.Q.](#) - [MAPS](#) - [CONTACT](#)

## **802.1x - IEEE Standard Port Based Authentication**

### **Progression:**

- In production since May 19, 2003.
- Over 40 APs servicing the Marriott Library.
- Over 30 buildings pledged to 802.1x.
- Site license now includes Pocket PC 2002/2003 supplicant (currently in beta).
- 802.11a, 802.11b, 802.11g Wireless
- Per-user keys which rotate @ 90 seconds. (WEP can be cracked in about 10 minutes with large volumes of traffic).
- Apple's Mac OS X Panther provides a built-in supplicant.
- Vivato Panel will be used to provide wireless between the Union and Marriott Library
- Departments can manage their own users.

### [Campus Authentication Map](#)

### **Campus Benefits:**

- Campus wide site license for Windows, Mac OS X (Jaguar), Pocket PC 2002/2003 clients.
- Campus wide site license for Radiator RADIUS server.

### **Radiator:**

Supported Operating Systems  
(<http://www.open.com.au/radiator/technical.html>):

Any Unix including Linux (Red Hat, Debian, Mandrake, SuSE, etc on Intel, Sparc, PPC, HP-PA etc), Solaris (Intel and Sparc), FreeBSD, NetBSD, SunOS, AIX, IRIX, SCO Open Server, Digital, HP-UX, etc

Windows 95, 98, NT, 2000, ME, XP, 2003, etc.

Mac OS9, Mac OS X.

VMS

### **Problems:**

- Jaguar was a mess.  
Meetinghouse DHCP problem.  
Apple association problem.
- Windows XP client has a few remaining issues.  
GINA Problem (Fixed in next version).  
WZC gets disabled. (Not to be fixed).

**Future Direction:**

- 802.1aa
- Roaming Issues for Campus
- Future security protocols (WPA, 802.11i, etc...)

*Author: Terry Simons  
Developed by UtahGeeks for the University of Utah.  
<http://utahgeeks.sourceforge.net>*