

University of Utah Wireless Network Committee
August 30, 2006
11:30 AM – 1:00 PM
650 Kommas Drive

In attendance: Terry Simons, Joe (?) Olson, Bryan Morris, Nelson Beebe, Pieter Bowman, Steve Adams, Joe Breen, Rob Wineriter, Dustin Udy, Dave Packham, Weston Tolman, Bo Mendenhall, Andrew Goble, Jon Ross, Hang Wong, Brad ?, Lonny Norton, others z93z0

Minutes

I. Pizza

II. Campus Wireless Standards

- **Uconnect.utah.edu Status**

Per Dave P: we've had 585 hits on How_to_connect_to_uconnect; 680 hits from the secure redirect page since school began.

Andrew: Issues, concerns one week after school? Pieter: people are using it a little. Terry: lots of students using it after being set up at the MMC. 90% take longer than 10 minutes to set up. Seeing authentication type (SW2 setting) goes to TTLS for some reason (with secure profile in place). New installer will/should leave both profiles intact. Andrew: Intel ProSet client turns zero config off, which the Secure W2 client expects to be on. Joe: Mac certs – need to delete the old certs and install the new cert (must say “Always trust cert”). Terry: Mac OS Aegis client – need to delete the Meetinghouse extension. Library guy: Windows firewall on new Dells seems to block validation (802.1X frames). This is a new issue. 6-8 people at the MMC work on laptops every school morning. Terry will work on this, and try to update the installer. Library guy: seeing uconnect dropping. Joe forwarded a Linux configuration that will go on the website once it's been tested (by Rob W.). Timeline: turn-off date for secure should stay around December 31st – at least, the closest outage date to December 31st, 2006. Early turn-off for secure is still October 13th, 2006.

- **Hotspot.utah.edu Update**

Dave P: the MPLS tunnel has been built, packets are flowing. Need to change the link that uplinks the Smartmanagers to a trunk link for 2 VLANs. Need to prototype it in the lab. Dave thinks that in two weeks it will be ready to roll (by Monday September 18th). Andrew: HSC is ready to take the link from OIT in their Smartmanager . . . at latest, a week past the OIT timeline. Production: September 18th, 2006 (layer 2 VLAN on the backside to turn it up for departments doing their own; for OIT-maintained Trapeze APs, just contact OIT NOC via the CHD and we'll turn it up.)

Insecure discussion: Dave P: we've verified that ITC did **not** say it had to go away; if a department has an application and wants to keep it, they can. Andrew: should this Wireless Committee recommend that insecure goes away everywhere? Motion: all but 2-3 votes said yes. Could be an exception; or, we could simply encourage people to use uconnect. Dave P: just worried that some people need what insecure offers. Some devices can't support clients to access restricted resources. Andrew: will tell ITAC that the Committee recommends it be removed and will consider case-by-case exceptions.

** Legal may say we have to filter content on hotspot since users under 18 have access to the internet. Steve Scott was going to meet with them. Need an update from him – either at the next meeting or via a msg to the list. May use the UEN K-12 content filter option. Will indicate this information on the hotspot login page.

Can guests still use uconnect with a guest NID? Yes – Mindy will send the gNID webpage url to the list.

- Redefine hotspot.utah.edu Deployment Timelines

Revised Hotspot Deployment Timeline

June 15-30: MPLS routing capabilities enabled
August 1: hotspot.utah.edu may be enabled on wireless access points. Shake-out period
Sept 18: hotspot.utah.edu goes production and is turned up system-wide by departmental request
December 18: ISO will review traffic patterns and port restrictions. ISO will respond to incidents as needed before this date
December 31: insecure.utah.edu may be turned off at anytime at the discretion of departments. System-wide insecure.utah.edu will be turned off by December 31.

II. Outdoor Wireless

- Update on Outdoor Wireless in HSC / Upper Campus
Andrew: Met with Bo, Bryan Morris, and Chris Hessing. Inside all HSC buildings – we will continue to run Aruba (uconnect - campus standards) and 2 clinical SSIDs (ITS IP space). Trying to accommodate the projects with Public Safety and Commuter Services (can't do these projects with ITS VLANs). OIT is going to deploy outdoor wireless within the HSC environment – uconnect. The same layer 2 VLAN will be tagged outside as inside for HSC users (no roaming issue). Theoretically, campus shuttle should connect to the outside AP/SSID. Preliminary engineering looks like this will work well. ITS is working on MPLS and VLANs for uconnect in HSC to be on campus IP space.
- Committee Discussion - Bo: will be working to minimize channelization issues as much as possible. Bryan: several high powered antennas (UNI, Annex, PS, Stadium, So. Medical Tower, Bldg 11) in place now. ORL (HRE)

is “catching up” – Heritage Center now has uconnect and they want to deploy throughout. Students don’t care about throughput. They want “sexy”.

Andrew: roaming is going to be a 3-4 year plan . . . what we’re doing right now is fine until there is an industry standard.

III. Introduction of Wireless Authentication / RADIUS Subgroup

Andrew: ubiquity . . . to have the same experience anywhere on campus . . . authentication process. Spoke with Terry Simons about a month ago. Need to revisit the guidelines on setting up authentication via Radius. Terry will lead the group; there will be others not active in wireless issues who will want to participate. The group may just end up reporting to ITAC – issues go beyond wireless. Terry: are there issues? Andrew: logging and accounting need to be consistent. A formal document (authentication white paper) should result. For now, the wireless list will be used to communicate. Joe: logging, accounting, documentation of the design, authorization with LDAP, edu-roam (long-term) would be his areas’ concerns. Terry: will have to be a campus “how to join Radius authentication” and maybe one for Edu-roam.

IV. Miscellaneous Committee Business

- Steve Scott wants to lay out some guidelines on syslog, accounting and get feedback from the group. Next meeting.
- With what frequency should we meet? Monthly? Yes. Next meeting: **Wednesday, September 27th**.
- Other issues: updates, etc.