Network Update

CSCF Staff Meeting
2010-7-27

What's new with the network?

- EduRoam, uw-secure and uw-wireless

- hostnames with dots

- Old IST DNS server

- DNS zone transfers from IST

- Network and service status websites

EduRoam, et al

- "eduroam" to become the preferred (eventually, the only) wireless SSID advertised on campus

- 802.1x, WPA2; use "*watiam-id*@uwaterloo.ca"

- uw-wireless portal will encourage Eduroam as a "set and forget"

- Configurations:

  - MacOS, Win7: easy

  - Win Vista, XP:
    https://istns.uwaterloo.ca/XpressConnect/

Hostnames with dots

- support for hostnames containing dot to be eliminated by IST

- affects:
    - Maintain DB (no longer supported by author)
    - campus DNS and DHCP services

- convert *.cscf.uwaterloo.ca by September
    - everything else by February 2011

Old IST DNS server

- 129.97.128.100 to be shut down permanently on August 18, 2010
- Use the CS servers:
    - 129.97.152.100 (DC)
    - 129.97.152.10 (MC)
- IST anycast servers fully operational now:
    - 129.97.2.1, 129.97.2.2
- Do not use 129.97.128.10 (becomes busy during updates)

DNS zone transfers from IST

- Zone transfers previously unrestricted

- Security risk identified (private TXT records)

- Will be changed to allow only known hosts:

  - 129.97.152.100 (core.cs,uwaterloo.ca)

  - 129.97.152.10 (student.cs.uwaterloo.ca)

  - 129.97.15.20 (cscf.cs.uwaterloo.ca)

- Any others?

  - Research, individual users?

Network status websites

- IST: was noc.uwaterloo.ca, now:

  - https://istns.uwaterloo.ca

  - https://strobe.uwaterloo.ca/~twiki/bin/view/IST NS/NetworkServicesResources#Statistics

- CSCF:

  - http://cacti.cscf.uwaterloo.ca/plugins/weatherm ap/weathermap-cacti-plugin.php

  - http://watcher.cscf/cgi-bin/smokeping.cgi? target=DRCSCS