

Intro to Enterprise-scale Networks

Hierarchical design, Many devices, Dynamic Protocols, IPv6

Agenda

- Brief review of lecture notes from Wk01Day1
 - including reminder of importance of textbook
 - those lecture notes are updated and reposted to include your feedback
- My expectations: especially including Algonquin policy AA32
 - attendance, being on time, observing due dates
 - coming prepared for lectures & labs, putting in ~5 hrs each week
- Brief overview of NET2000:
 - IPv6
 - OSPF: v2, v3, single area, multiple area
 - Enterprise (and SOHO!) tools: NAT, DHCP
 - Security: ACLs (takes work), and standard config for routers / switches (easy)
- New material:
 - Hierarchical design (slide deck mostly taken from Module 11)
 - A quick exploration: how many devices in an enterprise such as Algonquin or Carleton?
 - Start into slides on IPv6
- Goal by end of week:
 - complete both slide decks
 - some time on IPv6 DHCP address assignment (next lecture)

Dynamic protocols



Assignments and Lab work

- Lab 1 post-lab: due **11:59pm** Wed
- Lab 2 pre-lab: due **before** your lab session in week 2
- ... Lab 2 post-lab, Lab 3 pre-lab: due before your lab session in week 3
- Readings:
 - Network Design (Ch 11): all of sections 11.1 and 11.2 (NetAcad or textbook)
 - Review IPv6 (Ch 8, SRWE): sections 8.1-8.3