

OSPFv2 (Part 4)

Multi-area OSPF

Agenda

- Pop quiz
- In The News: The CEO for a small company says something **VERY** important: <https://apple.slashdot.org/story/22/09/27/2112228/tim-cook-no-good-excuse-for-lack-of-women-in-tech>
- **Midterm**: new date is **Wed Nov 2nd** during regular class time. Please block off extra time in the preceding hour in case we're able to start a little early.
- Email: Everyone is checking (or has forwarded) their Algonquin email, right?!!
- Update: Yup **interface range . . .** available on routers with newer IOS ver. Wk03Day1 notes updated, with Thanks to Nick for sharing this.
- New material:
 - Complete OSPF Configuration
 - Lab prep:
 - fundamentals of multi-area config AND "it's all in the *show* commands!"
 - Multi-area OSPFv2: Definitions and fundamentals of operation

Assignments and Lab work

- Online (NetAcad) **chapter test** for OSPF modules: due by **11:59pm Tue Oct 4**
- Lab 4 post-lab due **before** your lab session next week
- Lab 5 pre-lab: due **before** your lab session next week
- Lab 5: Multi-area OSPFv2, next week
- Readings: Slide decks on Multi-Area posted to course site; memorize them!

Efficiently Configuring a Router and OSPF

Now that Cisco provides a group / range editing command for routers, what OSPF characteristics can be configured *efficiently* (saving time) using the range command?

Of the 10 commands studied so far, 6 are configured within the interface and at least *four* (4) are good candidates for using the range command. What are they??

(Zoom in to read them!)

ip ospf (proc) area [X], ip ospf network point-to-point; ip ospf hello-interval (secs); ip ospf dead-interval (secs)

Multi-area Essentials

- Area boundaries lie *within the router*; both ends of a link must be in same area
- 1 router, different interfaces in different areas = multi-area
- Terminology: Internal router, Backbone router, ABR, ASBR
- LSA's: #1-3 in NET2000, #4,5,7 in NET3008; #9-10-11 in NET3012