

DHCP, FHRP

Agenda

- In The News: What do you learn after you've spent 340 days in space?
- Lab Exam (SBA): based on existing votes, the date is **Tue Apr 11**
 - groups & start times to be assigned and posted on Blackboard
- Complete Ch 5 – Inter-vlan routing, DHCP
- Start Ch 6 - First Hop Redundancy Protocols (FHRP)
- (Coming in week 9) Ch 9 – High Availability (less than 15 pages!)

Assigned Readings and Lab work

- Read FLG Ch 6 p. 247-300; due by next Fri.
- Cisco **Ch 4** online test due before Tue Mar 7 @ 11:59pm
- Cisco **Ch 5** online test due before Tue Mar 7 @ 11:59pm
- Post-lab 7: due date extended to Mon (Mar 4) @ 2pm
- Pre-lab 8 as per the regular schedule
- Lab 8: IPv6 & DHCP – entire Cisco lab 5.2

In The News

Astronaut Scott Kelly spent 340 days on the International Space Station is writing his memoirs. Amongst other thoughts, he says:

I've learned that showing up early, whether it's to a job interview or a spacewalk, is the only way to stay ahead of the game and be successful. "If you're not five minutes early, you're already late."

<https://science.slashdot.org/story/17/03/02/1944257/nasas-scott-kelly-shares-what-he-discovered-after-a-year-in-space>

FHRP Overview

3 first-hop redundancy protocols: VRRP (RFC), HSRP and GLBP (both Cisco)

- What functionality do they provide? Why is it important & useful? What methods (tricks!) does each protocol use to provide its functionality?
- Details similar to any protocol with multiple nodes: group identification, negotiations, timers, who wins, why, etc.
- Relate back to other L3 services e.g. DHCP reserved addresses!
- Why is there more than one protocol: what strengths, advantages, specialized features does each one offer?