

SBA Prep & Course Overview

Essentials: What do you need to know?

Agenda

- Reminder: Fri lecture & lab cancelled due to NET3012 SBA
- Take up any questions from previous lecture
- One Last Item: Option 82 changes when using DHCP snooping
 - Lab 10.1 p. 14, or see new slide #29 in Ch. 10 slide deck
"ip dhcp relay information trust-all"
- Final exam & SBA info (see below) also check course site for:
 - SBA preview
 - CDP neighbour chart

Assigned Readings and Lab work

- Cisco online final due by **Fri Apr 7 @ 11:59pm**
- Lab 12 post-lab due by **Fri Apr 7 @ 11:59pm**
- SBA: Tue Apr 11; individual lab times posted in BB "MyGrades"

Final Exam (Apr 25?)

- 3 hrs; 100 marks (approx); completely re-vamped from previous years
- Includes all material covered in the course
- Questions are short answer and/or may require drawing a simple diagram
- You are allowed one 8x11" sheet of paper; double-sided; **MUST** be hand-written (no photocopies); may not contain sample questions & answers

Config Required for Replacing a Switch

There are a variety of situations where it's essential to have the complete config for a switch. Replacing a failed switch (with an identical or even different model) is one obvious example; the SBA is another. With IOS 15, we need two pieces of info plus output from 6 commands for the complete config:

- the topology & cabling (which cables go to which ports; provided in SBA)
 - show version (not specifically part of administrative config)
1. show run
 2. show vlan
 3. show vtp status (includes VTP ver 3 "primary" status!)
 4. show vtp password
 5. show sdm prefer
 6. show ip ssh

Common Problems with SBA

Here's a list of some of the top reasons why people (needlessly!) lose marks on the SBA. Similar to forgetting "no shut", they're all avoidable with a little care.

- Arriving late and thus losing valuable time, so **BE EARLY!**
- Inability to read instructions (e.g. despite the preview being posted ahead of time, people don't read requirements like "**pre-pend** your network ID")
- Inability to FTP (to submit zip file with all configs)
- Inability to create files with a single ending of ".txt"
- Inability to create a zip file without (sub-)directories
- Incomplete config information
- Inability to create consistent config across multiple devices
- Waiting to the last minute(s) to collect, zip, and upload all configs (... thus no demos in the last 15 mins)

Caveats for SBA

- Re-vamped from previous years
- Covers some material from just about every lab completed this semester
- Time slot for students in first group has been modified to **8:00am** to reflect additional time to cable the equipment
- Did you notice the item above about arriving late? **BE EARLY!**
- Ensure **all** switches are running IOS 15; use 3560v2 or 3560G switches and do *not* use any of the older 3560 switches running IOS 12.x
- By 3rd year there are no marks given for proper cabling, but you'll definitely be penalizing yourself if you fail to cable properly!
- Likewise, penalties are defined for every instance of:
 - incorrectly configured hostname
 - failing to completely remove **all** config from the switches (incl. VLANs)
 - incorrect filename for running-config and other config
- The SBA adheres to an exam format and rules: when it's over, it is over!
 - FTP submissions after the end are penalized at 10% per minute
 - the FTP server timestamp is considered definitive for any late penalty (but note that all lab computers are synched to the same time)