

Evaluation Criteria for Lab 2

Cisco labs 3.1 and 3.2

Notes:

1. The first requirement to receive any marks for this lab is to use your Algonquin network ID appended to **both** the hostname **and** the VLANs specified in the labs. For example for switch DLS1, Anderson would use DLS1-ande0001, and VLAN100 would be Servers-ande0001.
2. Configurations must be completely erased from the lab equipment (ref: Cisco lab 1-1). The first time you forget or are unsuccessful in erasing your configs, you forfeit half the marks for the lab. The second & subsequent times you forget or are unsuccessful in erasing your configs, you forfeit **all** the marks for the lab.

Marking Rubric

- [0 marks] Reminder: did you append your Algonquin network ID to all hostnames?
- [0 marks] For each of the demo points below, answer any questions asked by the Professor, to show that you thoroughly understand what the lab is all about.
- [1 mark] Demo Lab 3-1, Part 2, step 6: Be prepared to execute suitable show commands to prove that you have completed all the required configuration.
- [1 mark] Demo Lab 3-1, Part 3, step 8: Be prepared to suspend or shutdown any of the VLANs and explain the results of the output from **show vlan** commands on different switches.
- [1 mark] Demo Lab 3-2, Part 2, step 3: Include the Challenge from Part 1 so that the entire network is joined exclusively by aggregated links. Also have output from the **test etherchannel load-balance** command visible in at least one window.

Challenges:

1. Lab 3-1: Investigate what happens if the VTP ver 3 Primary Server fails/goes offline!
 - Does any switch take over the function of Primary Server?
 - Can any other switch modify VLANs?
 - Does the observed functionality make sense? Do you consider it "good" behaviour?
2. Lab 3-1: What happens in a mixed version environment?
 - Can a ver 2 VTP server push updates to a non-Primary Server (ver 3)?
3. Lab 3-1: Go crazy and try to force **all** of DLS1, DLS2, and ALS2 to be Primary Servers.
 - Which device(s) can modify VLANs now?
 - Does the situation change if one switch gets isolated (fa0/1-24 shutdown)?
 - Do you consider the observed functionality as "good" behaviour?
4. Lab 3-1: Confirm whether or not the **vtp primary vlan** command gets saved in the config for the version of the IOS we have in Lab T108.