
Portfolio Exercise 5a: Switches and the Spanning Tree Protocol

Objectives

- Investigate root bridge selection on a switch
- Observe spanning tree algorithm behavior as network topology changes occur
- Explain the purpose of the spanning tree protocol
- *Collect portfolio evidence for part of Grading Criteria P5*

Task 1: Complete the Practicals

Work through the following Cisco practical labs

- ◇ **Lab 7.2.4** Selecting the Root Bridge
- ◇ **Lab 7.2.6** Spanning-Tree Recalculation

Task 2: Complete a Log of Practical Work

Using the attached log sheet explain how the practical labs went:-

- ◇ What went well?
- ◇ What did not go well?
- ◇ What did you learn?

Task 3: Research the Spanning Tree Protocol (P5)**~~~Important Section~~~**

Carry out research and produce a short report on the following:-

- ◇ Explain the purpose of the spanning tree protocol

Evidence

Please supply the following evidence to support your implementation of this task

- Log of practical work
- Report explaining the Spanning Tree Protocol (**required part for P5**)

Please annotate, sign, date, put the portfolio exercise number and task number on all evidence pages

Record of Work Log Sheet

[illegible]