Class Activity - Design and Build a Small Business Network (Capstone Project)

Objectives

Explain how a small network of directly connected segments is created, configured and verified.

Background /Scenario

Note: Design and build a network from scratch.

- Create a physical and logical topology diagram of your proposed network design on a plain piece of paper.
- Your design must include a minimum of two routers, three switches, and three PCs.
- Fully configure the network and use IPv4 (subnetting must be included as a part of your addressing scheme).
- Secure the network using SSH, secure passwords, console passwords, vty passwords, descriptions, SVI, etc. (minimum).
- Verify the network using at least five show commands (show instructor).
- Verify connectivity.

Create a rubric to use for informal peer grading.

Required Resources

- Packet Tracer

Reflection

1. What was the most difficult portion of this activity?

2. Why do you think network documentation is so important to this activity and in the real world?

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public.