
CMP109 – Lab 8 and 9: Building a Network Assessed Lab Exercise

For the next two lab sessions, you are tasked with building your own network to specification using Cisco Packet Tracer. This lab will be assessed, and it is encouraged that you have completed the lab 6 exercise beforehand to familiarise yourself with Cisco Packet Tracer.

Assessed Task:

You have been asked by a start-up business to create a network for their operation. Your task is to create a fully functioning network containing the following network devices:

- **4 Routers with at least 4 different subnets for the following departments:**
 - **Finance, Sales, Marketing, Customer Services**
- **Each router needs to be connected to at least 1 switch**
- **Each subnet needs to contain at least 5 computers**

All network devices must be configured correctly with valid IP addresses and subnet masks.

All computers in the same subnet should be able to ping each other.

Computers from the **Sales, Finance** and **Customer Services** subnets should be able to ping each other.

Provide a brief description of the static routes configured on each router.

Upload the fully functioning network file (.pkt file) to MyLearningSpace.

As a comment in your submission, provide an APPROPRIATE network configuration description (Subnets; network addresses; netmask used; max number of hosts; max number of subnets).
