

## Network Lab Experiment 5

(Duration 1.5 hrs)

A network engineer started designing a network for a private firm but could not complete it. The design (incomplete) done by the network engineer based on the requirements provided by the private firm is shown in Fig 1. Help the private firm to complete the design by simulating it in the Cisco packet tracer. Identify the number of networks from the figure and appropriately assign an IP address to the interfaces. Explore static and RIP routing protocols and save them in two files. Label IP addresses near the interfaces to make the network understandable to the private firm manager. Use ping and message transfer between the node to show the reachability of nodes in different networks. Find the maximum delay between the nodes.

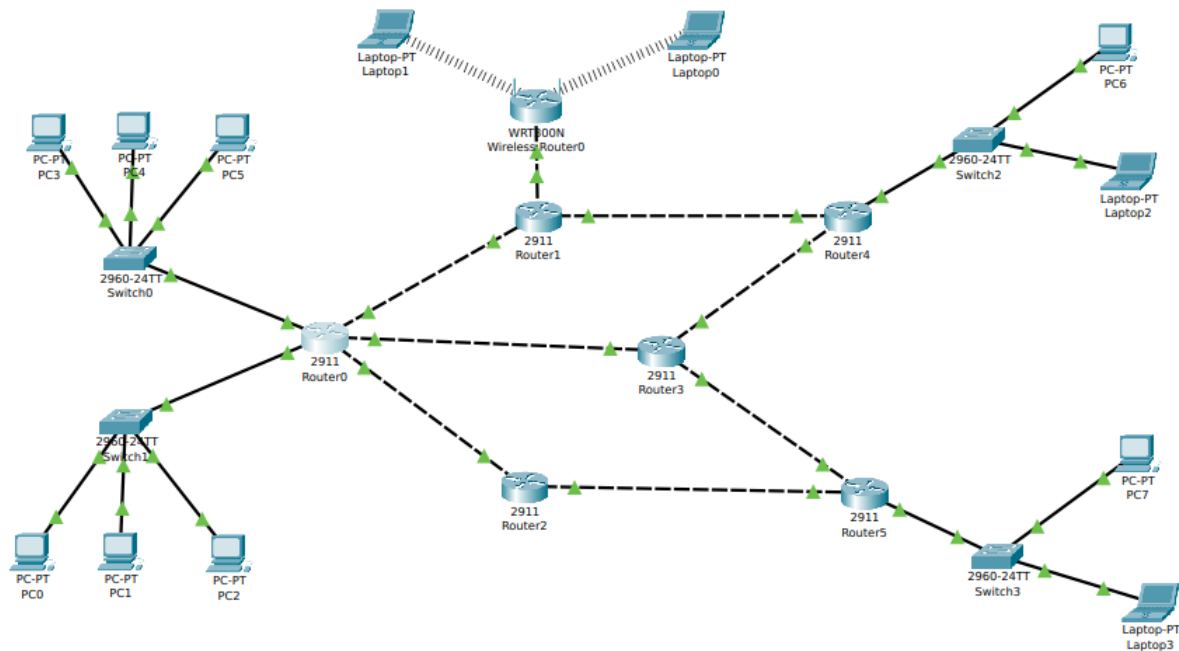


Fig 1. Design