

# INFOTC 3001 - Computer Network Security

## Laboratory # 5 - OSPF Routing Protocols & Password protection

### I. Objectives

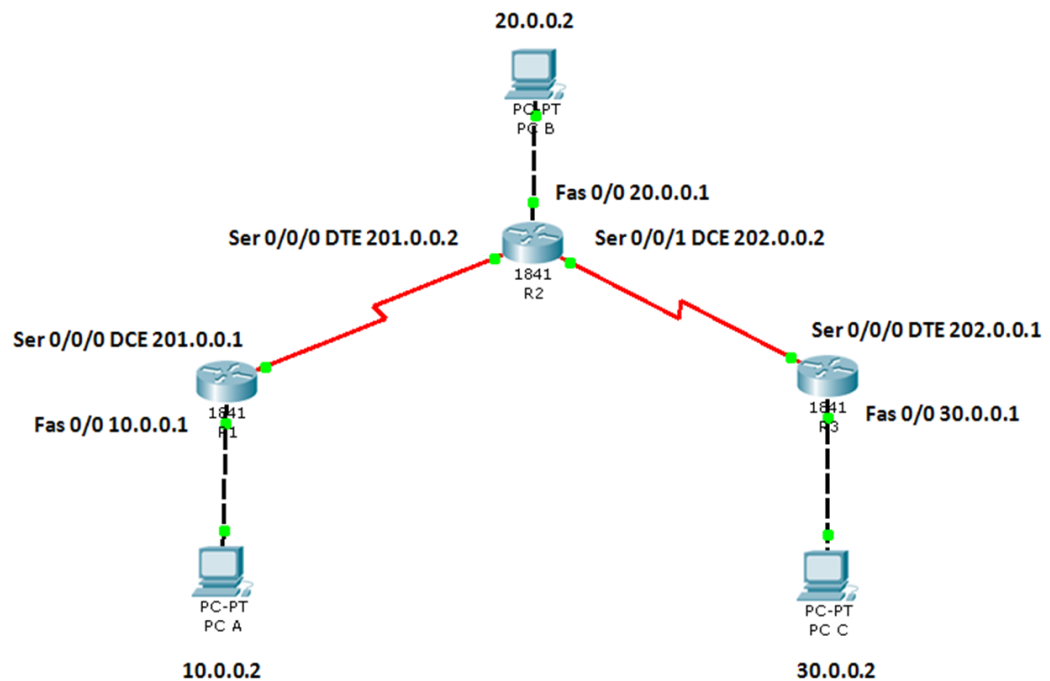
Enabling a network topology by using the OSPF routing protocol and enable Type 7 password in routers and switches.

### II. Material Required

Packet Tracer for Windows/Linux - <https://www.netacad.com>

### III. Activity

A. On Packet Tracer configure the following Network topology.



B. Configure IP addresses on router's interfaces and PCs.

C. Configure OSPF routing protocol to all the routers to allow communication among all devices.

#### IV. Review Questions

1. Execute the 'show ip protocol' command in router 2 (R2). Add a screenshot of the output showing the correct configuration of your router (i.e. OSPF routing protocol enabled).
2. Establish a type 7 password in router 1 (R1). Take a screenshot of the output of 'show running-config' command to show correct configuration.
3. Add a switch between router 3 (R3) and PC C and establish a type 5 password in the switch. Take a screenshot of the output of 'show running-config' command in the switch to show correct configuration.