

ASSUMPTION UNIVERSITY
FACULTY OF ENGINEERING
BASIC SCIENCE DEPARTMENT



CE4224 TELECOMMUNICATION NETWORK LABORATORY

SECTION 641

SEMESTER 2/2022

WEEK1

INTRODUCTION TO NETWORK LAB (CISCO)

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Introduction

There are many devices to connect each other, and we call as a network. A PC or a host has a different IP address. The switch used for connecting to the devices. A router is a device that connects two or more packet-switched networks or subnetworks. It serves two primary functions: managing traffic between these networks by forwarding data packets to their intended IP addresses and allowing multiple devices to use the same Internet connection.

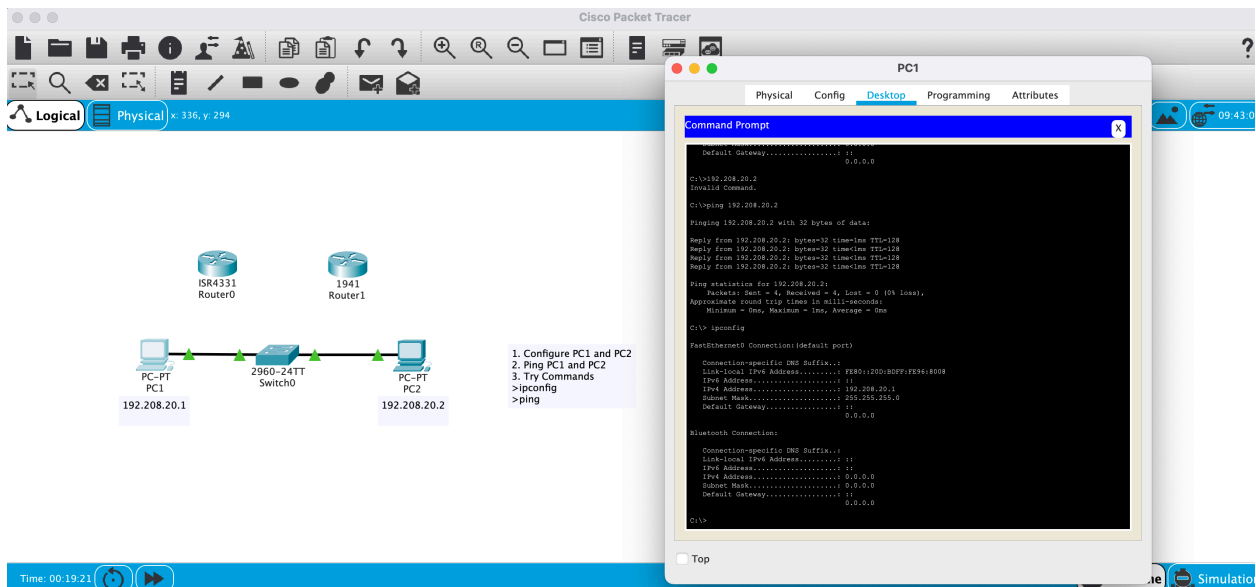
Apparatus

- Laptop
- Cisco Packet Tracer

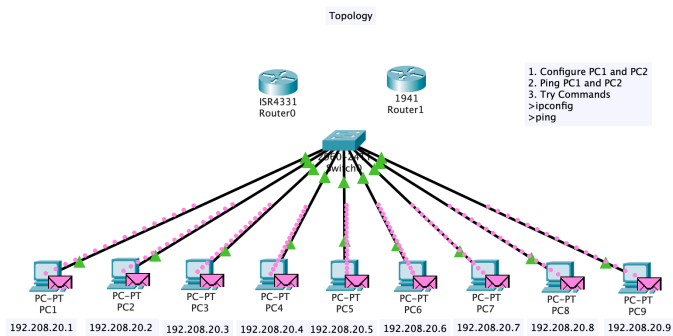
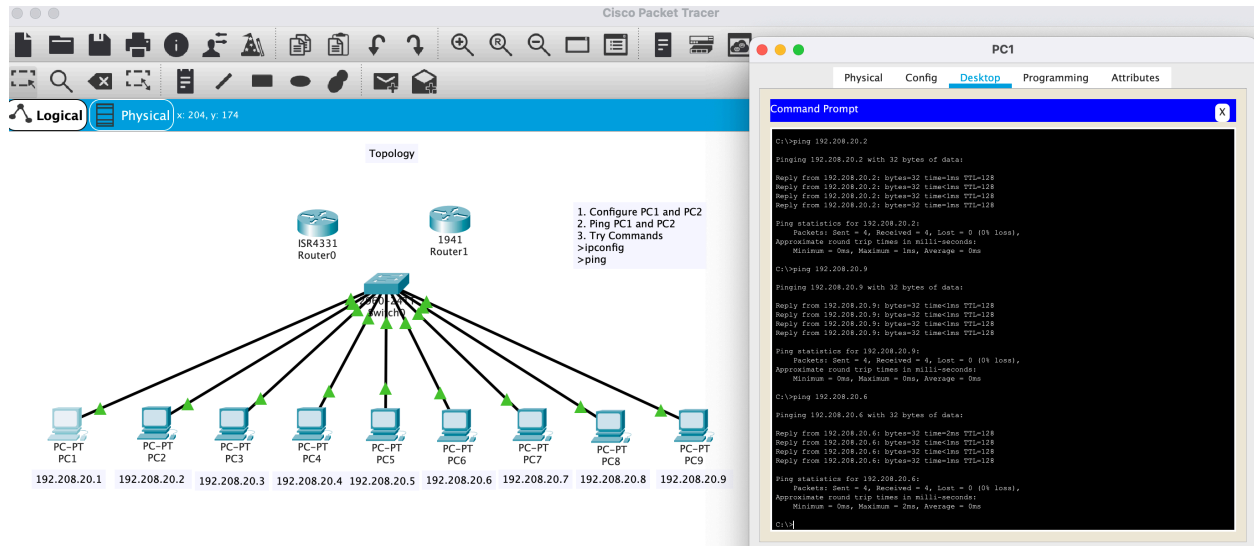
Procedure

1. Install Cisco Packet Tracer on your PC or Mac
2. Change the IP address in each device
3. Use the switch to connect in each device by link the line
4. Open the command prompt then type ipconfig and ping to connected
5. The connection is completed

Two end devices with the connection result



9 devices with the result



Conclusion

In this assignment, I have learned from a real simulator, so it makes clearer for me to understand in this course and enjoy with it. It shows how to use the program and explain how it's work in each device. I use 9 devices and change the IP address and we must make it in the same network pattern the different is host IP address. And use switch to connect.