

Internet Protocols EBU5403

Introduction to Cisco's Packet Tracer

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	Part 1	Part 2	Part 3	Part 4
Ecommerce + Telecoms 1	Richard Clegg		Cunhua Pan	
Telecoms 2				

Outline

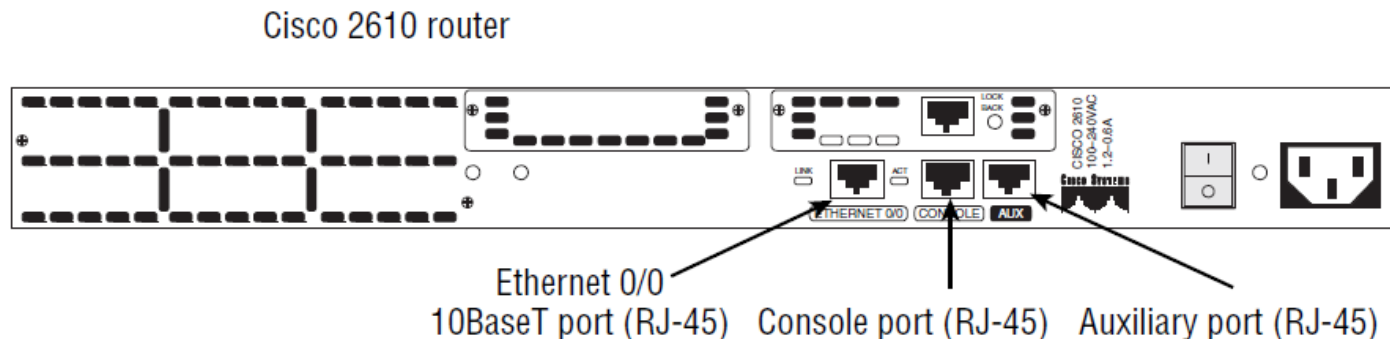
- Understanding and configuring the Cisco Internetwork Operating System (IOS)
- Configuration PCs and Routers in Packet Tracer

Cisco Internetwork Operating System (IOS)

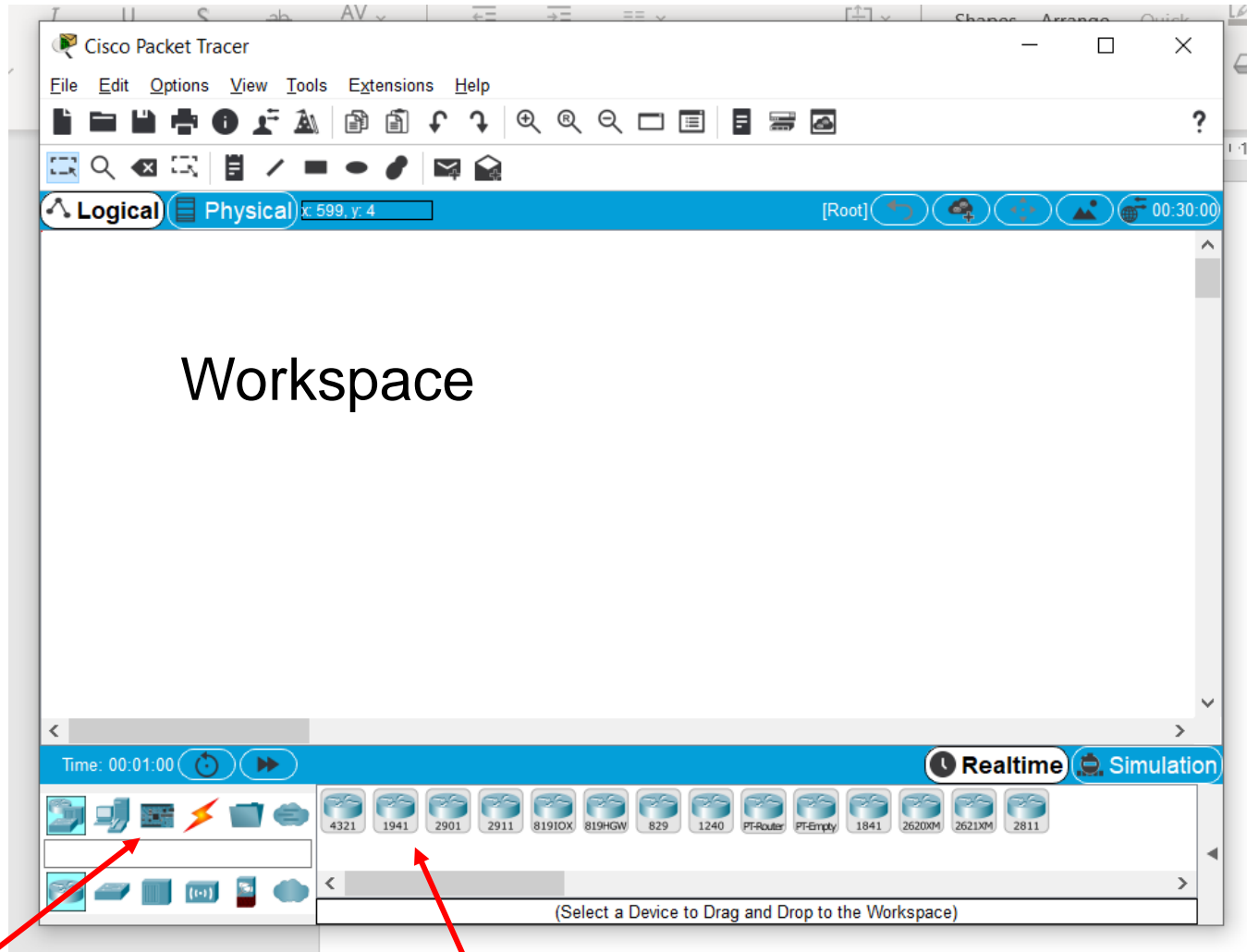
- The IOS is what runs Cisco routers as well as some Cisco switches, and it's what allows you to configure the devices as well.
- kernel of Cisco routers and most switches.
- kernel is the basic, indispensable part of an operating system that allocates resources and manages things such as low-level hardware interfaces and security.
- Almost all Cisco routers run the same IOS.

Connecting to a router

- You can connect to a Cisco router to configure it, verify its configuration, and check statistics.
- Different ways to do this, but most often, the first place you would connect to is the console port.
- The *console port* is usually an RJ-45 (8-pin modular) connection located at the back of the router.
- You can also connect to a Cisco router through an *auxiliary port*.
- By default, there's no password set.



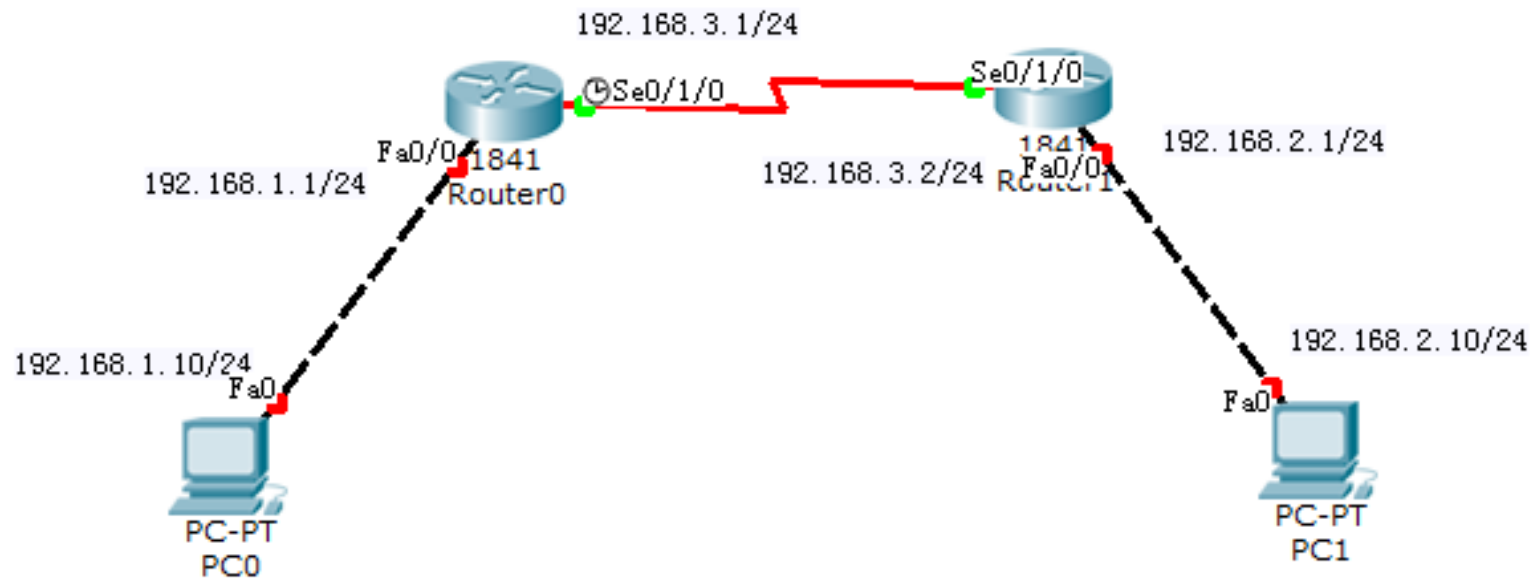
Packet Tracer

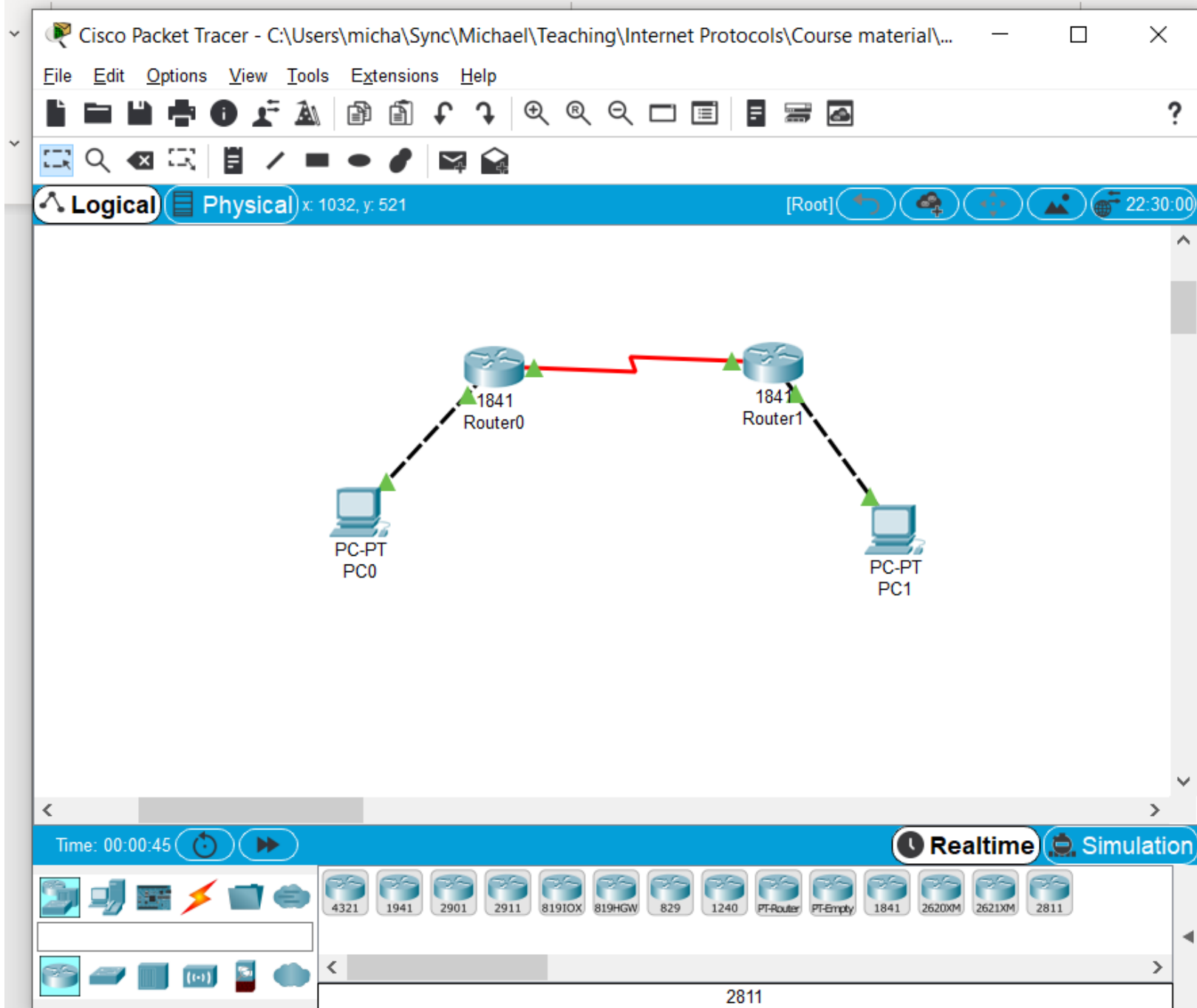


Types of devices
And connections

Specific model Devices and
connections

Exercise: Simple RIP network





Packet Tracer: Download & Installation

- You need register online and then download Packet Tracer from the official website (link below).

<https://www.netacad.com/web/about-us/cisco-packet-tracer>

- Click on the files and follow the instructions to install.