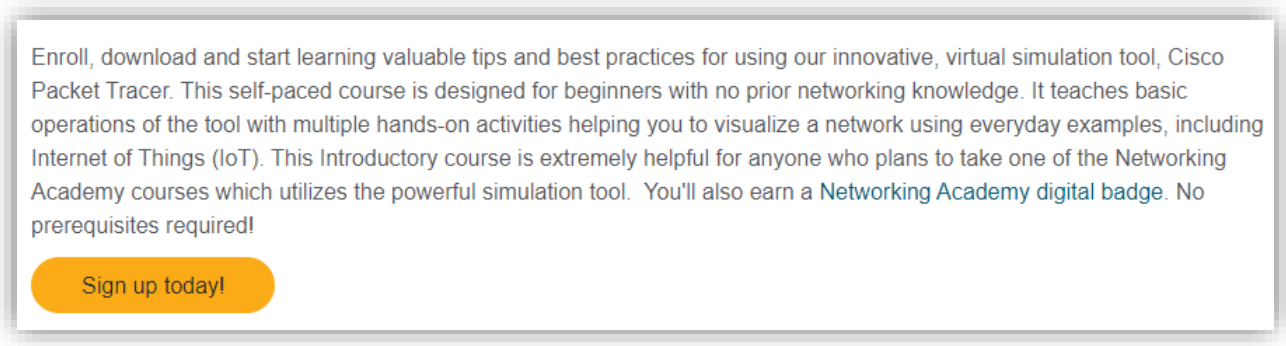
P0: Packet Tracer Basics

Q1: Download and install Packet Tracer

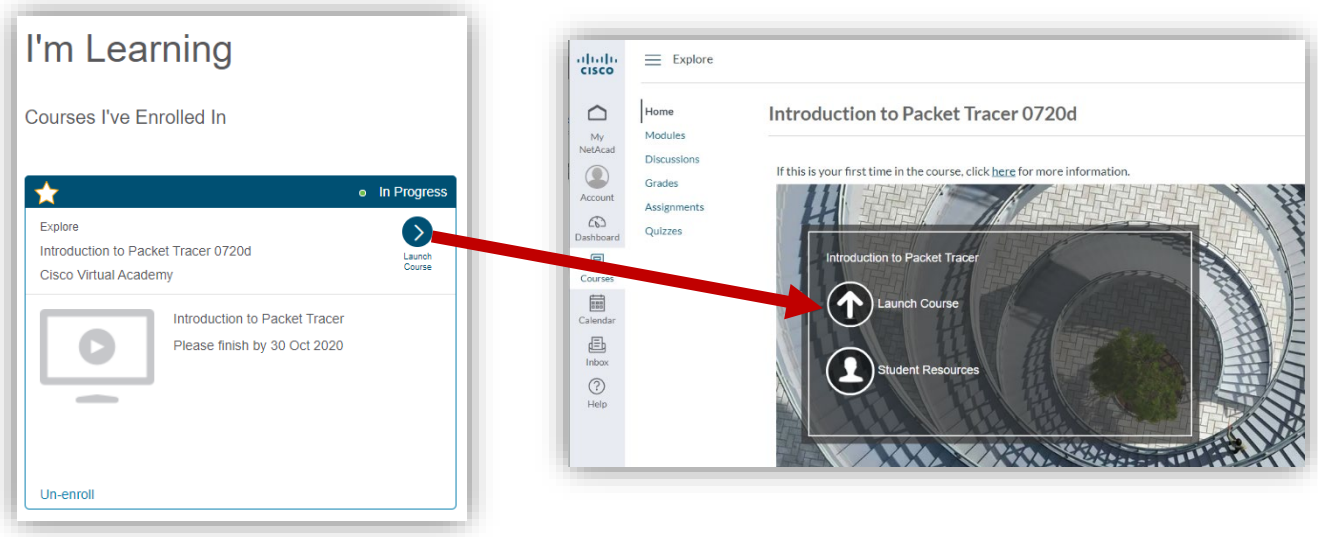
1. Go to Blackboard -> Packet Tracer -> Resources
2. Download and install both Packet Tracer v7.3.1
3. You may also download and install CCNA Aspire (Game) for fun learning aside from the practical that you are required to complete throughout this unit.
4. You are required to refer to **Additional Resources** published on Blackboard for practical on each week

Q2: Follow "Introduction to Packet Tracer" – Free Course at Cisco Networking Academy

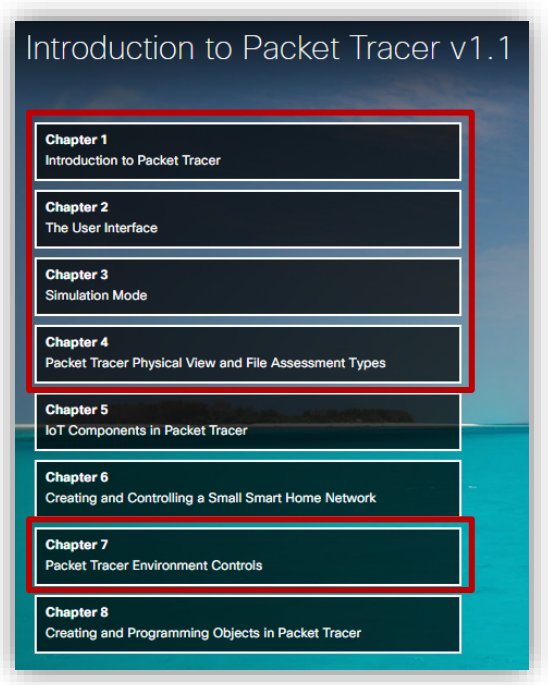
1. Go to https://www.netacad.com/courses/packet-tracer/introduction-packet-tracer
2. Sign up for an account at Cisco Networking Academy



3. Hover the mouse over *Introduction to Packet Tracer* course tile and click on the **Launch Course**



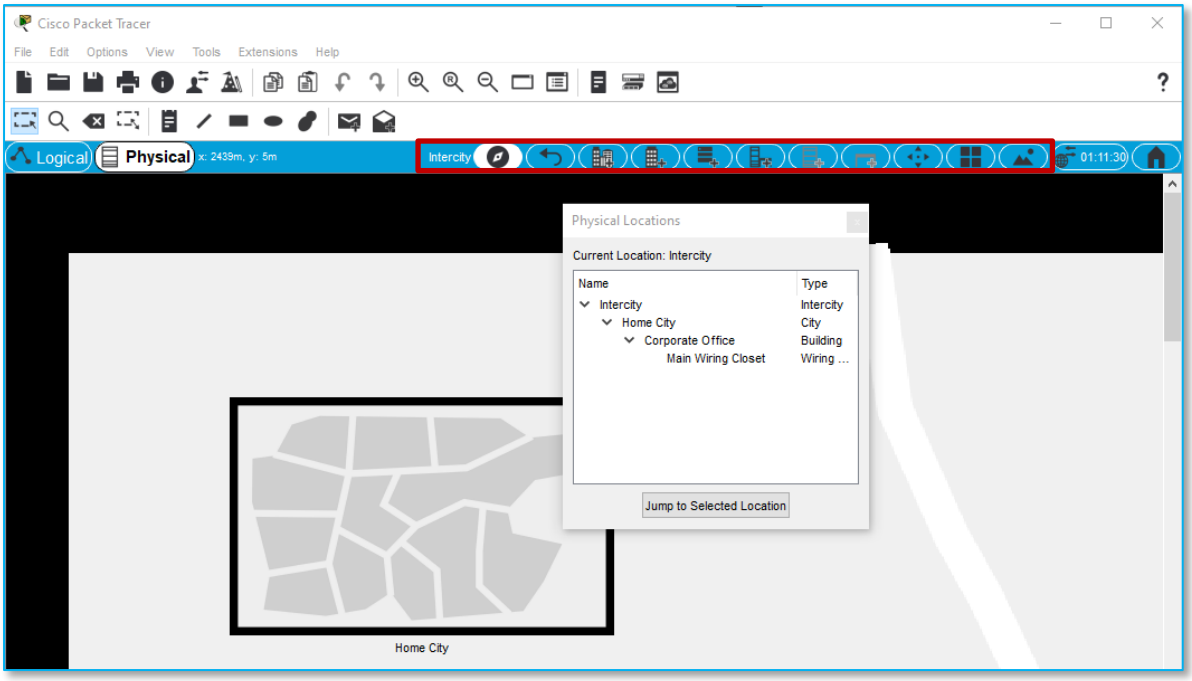
4. Complete the following chapters (Chapter 1 – 4, Chapter 7)



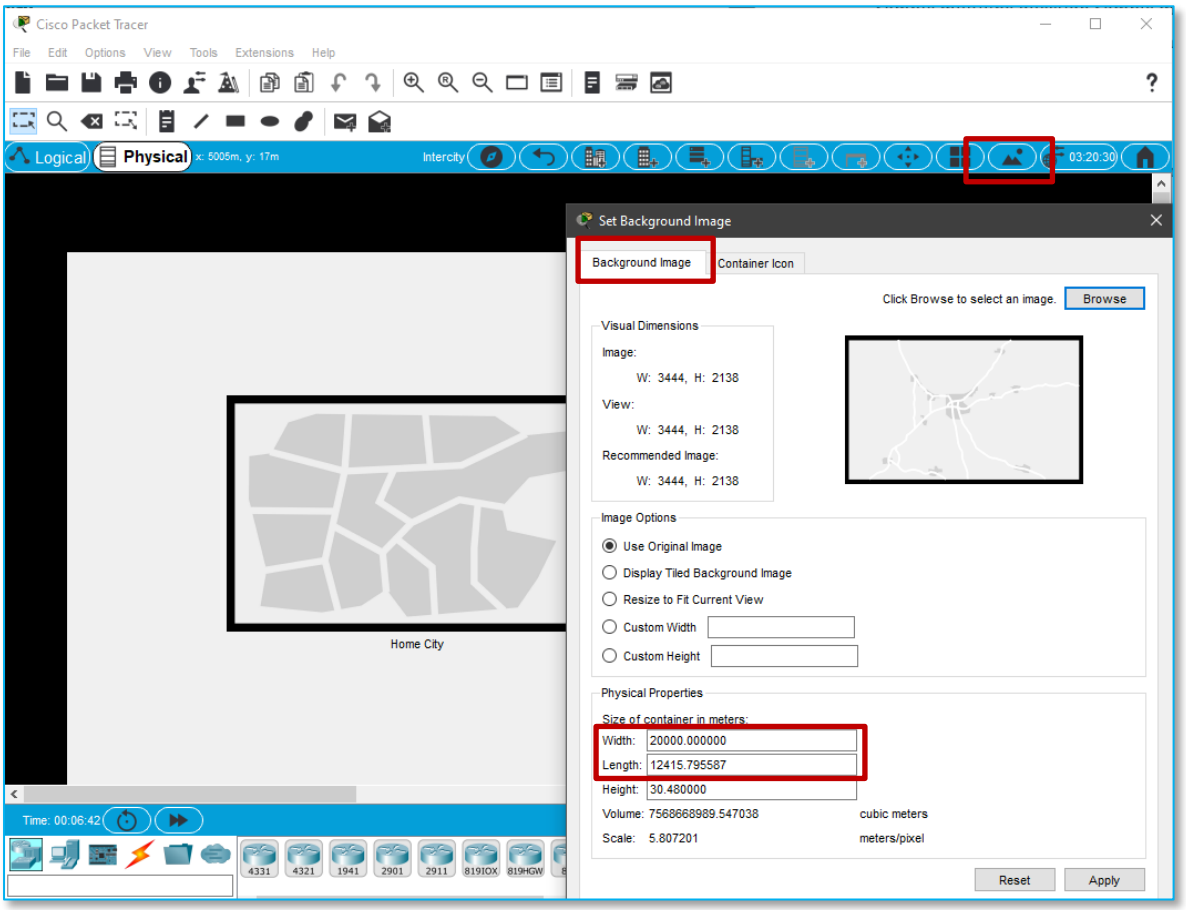
Q3: Understand the elements on the Packet Tracer (PT) Interface

Packet Tracer is a cross-platform visual simulation tool designed by Cisco Systems that allows users to create network topologies and imitate modern computer networks. The software allows users to simulate the configuration of Cisco routers and switches using a simulated command line interface. Packet Tracer makes use of a drag and drop user interface, allowing users to add and remove simulated network devices as they see fit. The software is mainly focused towards Certified Cisco Network Associate Academy students as an educational tool for helping them learn fundamental CCNA concepts.

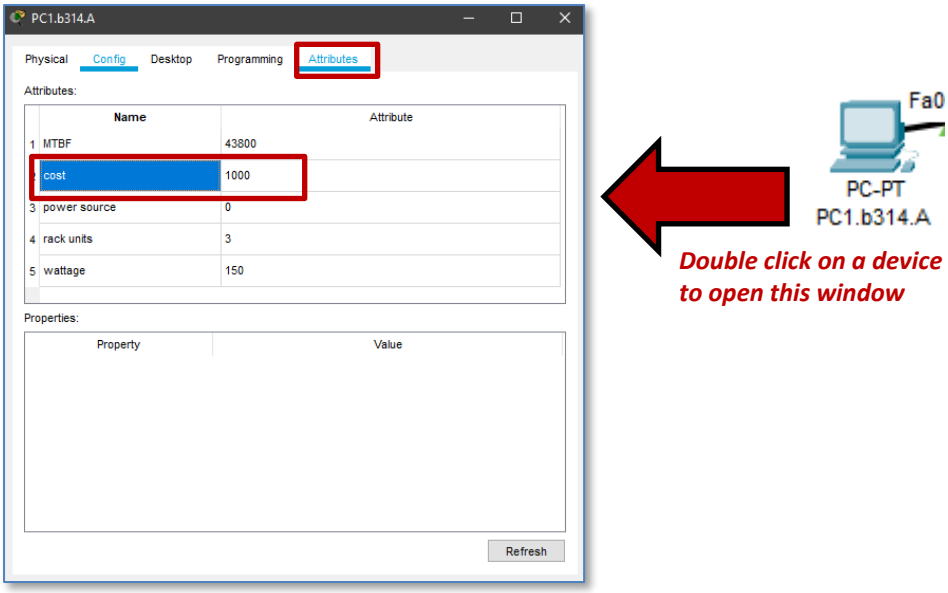
- You are required to refer to the resources published on Blackboard:
  - Learning Materials -> Introduction to Networks -> P01: Reference Materials
  - Packet Tracer -> Official Help -> Getting Started
    - Interface Overview
    - Preferences
  - Packet Tracer -> Official Video Tutorial Help -> 1 Getting Started
  - Packet Tracer -> Official Video Tutorial Help -> 15 What's New
    - 15.1 New Look for Packet Tracer 7.2
    - 15.2 What's New in Packet Tracer 7.1
- Complete **Packet Tracer -> Official Help -> Getting Started -> My First PT Lab**
- Distinguish the physical mode (physical view) and logical mode (logical view) in PT
- Understand different container types (Intercity, City, Building, Wiring Closet, Generic). Navigate between containers. Adding new containers.



- Understand the container measurements, changing the properties, etc.



- Adding devices to logical view and/or physical view
- Moving devices between containers (Intercity, Home City, Corporate Office, Wiring Closet)
- Estimating the cost of implementation in terms of the network devices.



Q3: Physical view with measurements

1. Open **PTLab00.pkt** file and observe the physical mode (physical view) and logical mode (logical view) of the network design.
2. Complete the following table:

Container Name	Container Type	Width (m)	Length (m)	Notes to Observe
Perth	Innercity	12410	5500	-
Bentley	City	4500	2500	City must be inside intercity container
Curtin University	Generic Container	1350	1800	Generic Container for Curtin University must be inside Bentley
Building 314	Generic Container	109	59	Generic Container for Building 314 must be inside Curtin University
Classroom b314.A	Generic Container	40	~21	Generic Container for Classroom b314.A must be inside Building 314

Summary:

1. Download and install Packet Tracer
2. Follow "Introduction to Packet Tracer" – Free Course at Cisco Networking Academy
3. Understand the elements on the Packet Tracer (PT) Interface
4. Physical view with measurements