

# Lab 1 Intro to Cisco Packet Tracer

## Overview

In this lab we will be introducing ourselves to Cisco's Packet Tracer software. This will allow us to use a simulator tool to model network components that we will talk about in the context of security, such as devices, routers, switches, and others. You will be creating an account (if you do not already have one) and downloading and installing the software onto your own computer. From there you will do an introductory exercise to familiarize yourself with the tool supported by the online training from Cisco that you are directed to in this lab.

This lab must be completed online, with all work being done and written as it is done into Word 365 Online. Use the Lab Book Template and upload to your Word 365 Online and begin working there. Do not do work elsewhere and copy it in at the end. Doing this will result in a zero. You must be able to share an “edit” link of this file in the comment of an attachment of a PDF version that you hand in on the assignment dropbox. Not sharing that link, or the revision history of that link not showing ongoing work (ie, that it gets put in all at once or something close to it) will also result in a zero.

Also note the requirement for the packet tracer file to be submitted, as well as your initials and last 4 digits of your student number to be present in the names of the objects you create in packet tracer during this lab. Not meeting this requirement (including the submission of the packet tracer file you use to create the objects in this lab) will result in a zero as well.

Enough talk of zeros. Go have some fun! Ask if you have questions.

## Preparation

- Click the following link or enter the URL into a browser:  
<https://www.netacad.com/about-networking-academy/packet-tracer/>
- Following instructions that follow to register for an account and enroll in the Introduction to Packet Tracer course
- Download the Packet Tracer software under Student Resources after enrolling in the course
- Download the latest version shown, of the correct install type for your computer (windows, mac, etc)

## Lab

- Launch the course to begin learning packet tracer
- Follow all instructions and watch all videos
- Complete Chapter 1, then Chapter 2
- At the end of Chapter 2, you will have completed a simple network
- Adapt the network you are creating so your initials the 4 numbers at the end of your student number are part of every device name that is part of what you create, as well as the filename of your cisco packet tracer file you will save

## Screenshots

Include a screenshot in your final document showing the network you created and the unique object names with you initials and last 4 numbers of your student ID part of the names of those devices.

## Reflection

- 1) Record any of your own observations, solutions, or comments about the work you did. What problems did you have, what was not clear, what did you take away that you value?
- 2) In your own words after researching about it (do not use synonym tools to change words on something copied in), and from what you were explained during the training, explain clearly what Cisco Packet Tracer is, what it allows you to do, and why it is useful.