Week 7- Network Basics

A pic here…

**Class:**

**Student numbers:**

**Student names:**

Date: Aug 2019  
Version 1.0

# Investigation of hardware

Task 1: install and Test Netkit Tool

Consult this week’s theory presentation and use the Netkit commands to start and halt a network node as described in the presentation. Netkity is already installed in the preconfigured Linux. If you installed the Linux yourself, then your need to install the Netkit using command line.

Provide screenshot of the started node.

Task 2: TCP/IP Layers in Wireshark

Find a Wireshark Tutorial on the web. Run Wireshark.

Start capturing the network traffic. To generate HTTP traffic, go to some web page with your web browser (e.g. www.fontys.nl). Don’t forget to stop capturing as you can get a lot of traffic in your capture. Look at your captured packets and find an HTTP GET packet and Answer the following questions and provide the screenshots:

* What is the source and destination MAC address of this HTTP packet? Provide a screenshot to prove it
* What is the source and destination IP address of this HTTP packet? Provide a screenshot to prove it
* What is the source and destination port of this HTTP packet? Provide a screenshot to prove it
* What is the host name of this HTTP Get packet?
* Find the HTTP Response belonging to the HTTP Get packet. How much time elapsed between the HTTP Get and HTTP response?