

# Computer Networks - Remarks

February 12, 2009

## 1 Introduction

This practical exercise consists of a series of operations and observations that will allow you to understand the operation of a network and to answer the questions asked in this document.

Each practical exercise should be written-up in a report that should be sent by email to your teacher (<mailto:mohammad.nassiri@imag.fr>). The report must be sent the day of your lab session and preferably as soon as the lab session is finished. Each report will be marked.

The operations to be performed are stated in the following manner :

### Operation 0

|| *The questions you are asked to answer are stated in this manner.*

When marking reports, account will be taken of the clarity and drafting of answers.

## 2 Some practical aspects:

Before any manipulation, please isolate the network from the public Internet (in reality, the teaching network). You must deactivate the public interface: `bge0: # ifconfig bg0 down`.

When you finished your stuff and you want to export some files, let bring it up: `# ifconfig bg0 up`. It will reactivate the Internet connection. You can also run `#/etc/netstart`

No personal accounts have been created on the workstations. The practical exercises should always be conducted using the root account since they require superadmin privileges. The password for root on each workstation is `root./` (without the quotemarks but with the dot).

**NB:** All materials for session Feb. 12, 2009 are available in <http://membres-liglab.imag.fr/nassiri/teaching.html>