

Project guidelines and marking criteria

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Fall 2015

1 Introduction

The project for this network course will be part of your assessment. Each group (2 students per project) must give a presentation on the third week of September. Each presentation will last 15 min (11 min presentation + 4 min questions). The aim of this project is to practice and learn how a particular aspect of a network works. This means that, through this project, you need to learn how the lower layers interact! **During this project, do not waste any time on the GUI! Spend time on understanding how client and server interact by capturing and analyzing packets.**

2 Overview (2015-09-04)

Beforehand, each group will need to give a short overview defining:

- the name of the project,
- the objectives of the project,
- what you want to learn with this project,
- how you will organize yourselves to share the code (USB key, email, git, svn...).

The overview must be sent by email (To: teaching@auzias.net, Cc:your-partner(s)@email.mail), with the subject: **[overview] student1's name - student2's name**

3 Report and Presentation (date to come)

The report and the presentation (**both** pdf files) must be sent by email (To: teaching@auzias.net, Cc:your-partner@email.mail), with the subject: **[report] student1's name - student2's name**.

3.1 Report

A 5 to 10 pages-pdf report will be handed in, explaining:

- the name of the project,
- the objectives of the project and the differences, if any, with the Overview's Objectives,
- the explanation on why you did not meet your objectives and what are the possible solutions you had thought of to meet them,
- what you wanted to learn with this project and what you really learned,
- how you did share the code,

- between 3 and 6 specific captured packets and their explanations,
- what are the challenges encountered and how you overcome them (this part can be a *subsubsection* of what you really learned),
- what you did to **legally** test security flaw.

If the report is made with L^AT_EX, extra credit will be given.

3.2 Presentation

A 10 minute presentation (11 min presentation + 4 min questions) to explain your project, especially what you learned (and how the lower layers' nodes interact).

If the presentation is made with beamer, extra credit will be given.