Coursework   **Paul Knoll**
                                                                   Werner Nutt

Coursework C1: Routing

This part of the coursework is based on the three labs on routing to take place on November 10 and 17 and on December 1.

The labs will introduce you into problems related to routing IP packets through a network and you will learn three techniques that accomplish this: static routing, dynamic routing according to the RIP protocol and dynamic routing according to the OSPF protocol. Specifically, you will see how to configure routers under each of the three approaches.

As part of the coursework you are asked to deliver a written report on these labs. The report should be written by two students who worked together in the lab.

It should adress the following points:

- Definition of the problem, both for static and for dynamic routing;

- Description of the three approaches;

- Analysis of the applicability, the strengths and the weaknesses of each approach.

You are free to determine the structure and the form of the report. In particular, the report need not discuss the points listed above in the order given. You may also want to add illustrations to clarify some points. Try to be clear and concise.

We emphasize that your report should represent original work. It should not contain entire paragraphs taken from other sources like, for instance, web pages. If you use material written by others, this must be clearly indicated and the source must be stated.

We expect that the minimal length of a report will be approximately 5 pages. If you find you can express all you want to say in less than 5 pages, this is not a problem. If you want to discuss some aspects in depth and need more than 5 pages, this is not a problem either.

The best five reports will be published on the course website as additional learning material.

Please, submit your report no later than

> Monday, 14 December, 10am

by email to `Paul Knoll <paul.knoll` AT `rolmail.net>`.