



Unix for Telecommunications

Portfolio Task – P-Lab-10-CUPS Pass Level Task

I. INTRODUCTION

In this lab you will configure a CUPS server to offer a CUPS based network printer using your RULE host.

II. PURPOSE

To gain and/or enhance the following practical skills:

- Learn how to setup Printer with CUPS
- Understand how CUPS process a print job

III. PREPARATION

You can prepare for this lab by reading some of the CUPS documentation at <http://www.cups.org>.

IV. METHODOLOGY

In this lab you will create a network accessible printer with the name PDFPrinter. You will create the actual functionality of the printer in task **P-Lab-10-CUPS-D**.

A. CUPS Introduction

- 1) Examine the CUPS web site listed above
- 2) You should obtain a thorough understanding of how to create a printer with CUPS

B. Installing a CUPS PDF Printer

- 1) Install your CUPS PDF printer on your CUPS server. The printer name **must** be “**PDFPrinter**” and be accessible to accept print jobs from any computer on the Swinburne network (136.186.0.0/16)
- 2) Ensure that your CUPS server is configured to automatically start at system boot
- 3) Ensure that your CUPS server is running

V. ASSESSMENT

The due date for completion of practical work is **11:00pm**, exactly **six** days after your scheduled class.

Note: *The nominated submission day/time holds regardless of whether that day is a non-teaching day or public holiday*

A. Self Assessment

You can self-assess your progress at any time via the marking script available at <http://ruleprimary1.caia.swin.edu.au>

B. Completion of task in Doubtfire

Download the PDF output of the marking script from <http://ruleprimary1.caia.swin.edu.au> and submit it to Doubtfire. Your tutor will confirm completion of the lab by examining the rule marking log files on the rule server.

If you complete the task during class beforehand, you may demonstrate completion in class to your tutor.

Note: *The downloaded PDF is not evidence of successful completion of the lab, it is a document to demonstrate completion within your portfolio. Your tutor will assess the evidence via either direct confirmation via the marking script or via the log files generated when you run the marking script*

C. Tutor Discussion

In order for the submission to be marked as complete, you must discuss your work with the tutor