



Unix for Telecommunications

Portfolio Task – P-Lab-07-NMap Credit Level Task

I. INTRODUCTION

In this lab you will use the program NMap to discover a range of network services running on remote machines and perform some simple network auditing tasks. You will also perform some investigative work to scan for hidden information.

WARNING: Although port scanning is not illegal, it is considered bad practice and may be viewed as a prelude to an attack by the operators of those hosts. Do not scan hosts and ports outside of the ones defined in this lab handout using your RULE host. Note that if you do, your actions can be traced and you may face consequences. Remember that you are bound by Swinburne's IT policies and procedures while using Swinburne's IT infrastructure.

II. PURPOSE

To gain and/or enhance the following practical skills:

- Using NMap to discover a range of network services running and simple network auditing tasks
- Understand concepts and processes in determining which services are running on a remote system
- Investigate a remote system to locate hidden information

III. PREPARATION

You should not attempt this task until you complete the **Pass** level task **P-Lab-04-NMap-P**.

IV. METHODOLOGY

A. Challenge investigation

- 1) The host `rule21.caia.swin.edu.au` is running a secret application. Using NMap and other network application software, can you determine what the secret message is?

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*

To complete this lab you need to submit (to Doubtfire) a simple (unformatted) PDF document containing the secret message on `rule21.caia.swin.edu.au`

Note: *A PDF upload is required as Doubtfire cannot currently accept uploads of text files*

A. Completion of task in Doubtfire

You will need to upload your PDF file containing the secret message to your Doubtfire portfolio before the due date

B. Tutor Discussion

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