

Lab 2 Exercises

Wireless Networking 419

August, 2005

Task 1

In the previous lab we practised setting up wireless networks. However, we did nothing to graph or evaluate any results that we gathered.

Using the setup from Task 2 in the previous lab, you are now required to gather trace data that can be mined for information in post-processing. This means that you will need to tweak the Tcl file(s) to enable tracing of appropriate data. Please note that the generated files can be quite large (up to 2GB), so do not forget to delete them when you have completed the lab.

Write a script or a program (you can use shell, C, C++, Java or any other language) that will parse the output trace file and give you an indication of:

- The proportion of messages that have successfully left the source and arrived at the destination.
- The number of times messages were forwarded by intermediate nodes.

If you choose to use a shell script commands such as `grep` and `cut` may be useful.