

Practical Test for System and Network Hacking

Master's Degree in Computer Engineering

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1. (15 points) Why use grep on your own system when you can use ours?

Available commands (one per line of input):

- **u** followed by a file name: create a new greppable file; the file data is entered one line at time after the command until EOF; available space on the free plan is limited;
- **k** followed by a keyword; create a new search keyword for grep and return its id; the keyword characters are scanned for malicious input;
- **g** followed by a numeric id; search for the selected keyword in all the user files.

Hints

1. Analysis of the bug (2 points);
2. Attack plan (3 points).