

CISS-102 Unit 2 - The Unix Shell

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Objective: To understand the importance of the user shell and the command line interface (CLI). Many users wonder why the CLI is necessary with the availability of graphical user interfaces (GUI). We will discover the importance of redirection, pipelines and environment variables.

Required Reading:

- Chapter 4 (pp. 93-130)
- Chapter 5 (pp. 133-163)
- Chapter 18 (pp. 521-544)

Expected learning outcomes:

- Understanding of what a shell is.
- Purpose of a profile.
- Proper use of wildcards.
- Purpose of environment variables.
- The files standard input, standard output and standard error.
- Redirection and pipes.
- The commands: **sort**, **uniq**, **rm**, **grep**, **more**, **rm**.
- The environment variables: **PATH**, **PS1**, **TERM**.
- Exposure to the text editors **vi** and **emacs**.
- Knowledge of other editors such as **nano**.

Project:

Will be handed out during lecture.