TK013: Linux Command Line Essentials

Duration

5.0 Days

Course Content

1. Introduction

- 1.1. Logging in
- 1.2. Command history
- 1.3. Command line format
- 1.4. The ls and ps commands
- 1.5. Manual pages and other sources of help

2. Filesystem structure

- 2.1. The home directory and standard system directories
- 2.2. Relative and absolute paths
- 2.3. Paging files with less/more
- 2.4. Creating, renaming and deleting files and directories
- 2.5. Symbolic links

3. Shell command line parsing

- 3.1. Meta characters
- 3.1. Filename generation
- 3.1. Quotes
- 3.1. Environment variables

4. Common commands

- 4.1. Using filter commands such as cut
- 4.2. Examining files with file, od, wc, etc.

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4.3. The grep command and regular expressions

4.4. The find command

5. Editors

5.1. Using the vi family

5.2. Using emacs

5.3. Other editors such as pico/nano

6. Login environment

6.1. The login profile

6.2. Customizing the prompt

6.3. Search PATH

6.4. Aliases

7. Processes

7.1. Looking at processes

7.2. Background commands

7.3. Killing processes

8. GUI Applications

8.1. X-Winodws architecture

8.2. The DISPLAY variable

8.3. GUI applications and editors

8.4. Mouse key shortcuts

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