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Show Name: CompTIA Linux+ (XK0-004)

Topic: Managing Files and Directories

Episode Name: Editing Files with vi

Description: In this episode, Zach and Don dive into the world of vi, one of the most ubiquitous text editors in the Linux world. They demonstrate how to access vi and then walk the viewers through common editing tasks like inserting, deleting, and modifying text. They then move on to tasks like search/replace and copy/paste.

Editing Files with vi

[?] Can you give us a basic overview of how vi works?

- vi (and vim)
 - `:`
 - Command mode
 - `:w`
 - Save file
 - `:w <filename>` to "Save As"
 - `:wq` or `:x`
 - Save and exit
 - `:q!`
 - Exit without saving
 - `i`
 - Insert at current location
 - `I`
 - Insert at beginning of line
 - `a`
 - Append to end of word
 - `A`
 - Append to end of line
 - `dw`
 - delete word
 - `:d` or `dd`
 - delete line
 - `<#>G` or `:<#>`
 - Move to a particular line #

[?] Can we work with multiple lines at the same time?

- Ranges
 - `:#,#<command>`
 - `:1,10d`
 - Deletes line 1-10
 - `:set number`

- Displays line numbers
- `:set number!` to disable
- `vi +# filename` opens a file to a particular line

- `vi +12 file.txt`

- To be permanent

1. `vi ~/.vimrc`
2. `set number`

[?] How would we perform a search in vi?

- Search

- `/<string>` or `:s/<string>`
 - Search forward for text
 - `?` for backward
 - `n` for next
 - `N` for previous
- `vi +/<text> filename.txt`
 - Opens a file to the first occurrence of a term

[?] Does vi support search and replace as well?

- Search and Replace

- `:s/<findtext>/<replacetext>`
 - Replaces text on one line
- `:%s/<findtext>/<replacetext>`
 - Replaces text throughout the file
- `:#,#s/<findtext>/<replacetext>`
 - Replaces text within a range

[?] How can we navigate in vi if our terminal does not support arrow keys?

- `h`
 - Move left
- `l`
 - Move right
- `k`
 - Move up
- `j`
 - Move down
- `i`
 - Insert before cursor
- `o`
 - New line after line
- `a`

- Append after cursor

[?] What about options like cut/copy/paste?

- d
 - Delete
 - dd - delete line
 - dw - delete word
 - D - delete to the end of the line
 - :d - delete current line
- y (yank)
 - yy - Copy current line
- p (put)
 - p - Paste buffer after the current line

[?] When we are done, how do we save and exit vi?

- ZZ
 - exit and save changes
- :w!
 - save overwriting file
- :q!
 - Exit ignoring any changes
- :e
 - switch to another file
- :e!
 - switch to another file without saving current file