

Text Editing, Zip Archives, and Privileged Execution

Hello... Hello... Hello... Hello...

- Echo is a surprisingly useful command
- It takes string input and well echos it to STDOUT
- Why may this be useful?



<https://thevarsity.ca/2018/01/22/blind-as-a-bat/>

Nano

- Very small, tiny...
- Like Ant-Man
- Okay, fine
- It's a lightweight command line text editor
- Also, my personal preferred command line editor

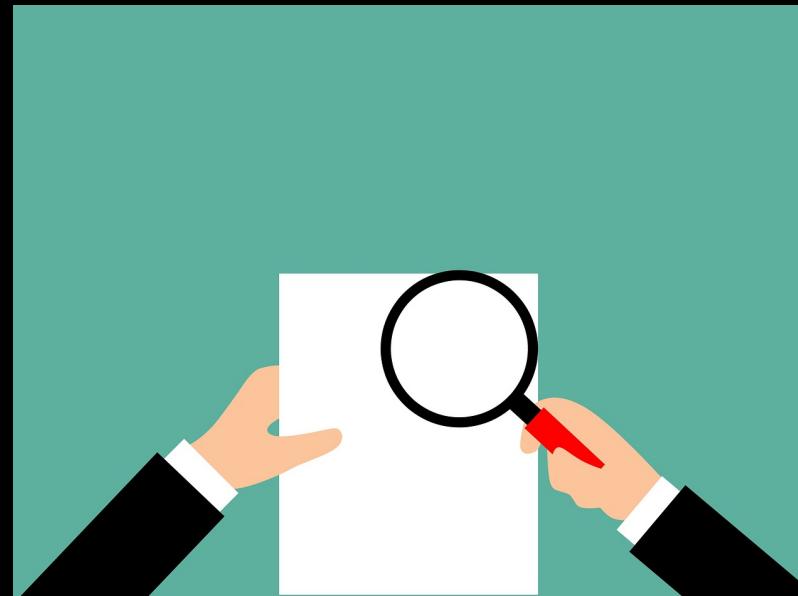
Vim

- How do I exit Vim?!?!!?
- You will not be the first to wonder
- Vim is an improved version of vi which is the default text editor in Unix
- It's very powerful, but can have a bit of a learning curve.



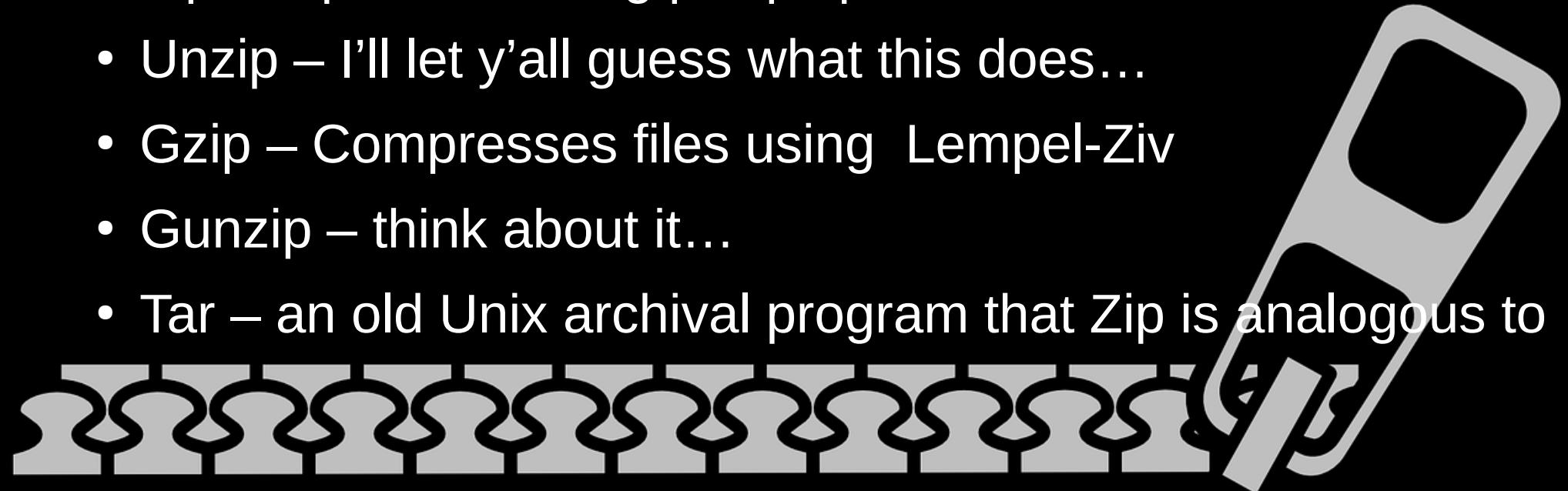
File

- Shows us what kind of file we are dealing.
- Useful since MOST of the time Linux doesn't care about file extensions



Zip files and Archiving Utilities

- Zip Technical Specification
- Zip – Zips a file using pkzip specifications
- Unzip – I'll let y'all guess what this does...
- Gzip – Compresses files using Lempel-Ziv
- Gunzip – think about it...
- Tar – an old Unix archival program that Zip is analogous to



Who am I?

- “Who are YOU? said the Caterpillar.” ~Lewis Carroll (Alice's Adventures in Wonderland)
- Whoami – Not all shells are as nice as the one we we've been using that displays our user right on the command line.



Passwd

- This file is located in the /etc/ directory
- What kind of files are stored here?
- What do you think you'll see in this file?



So... Where ARE the passwords?

- /etc/shadow
- In the 90s these were the same file, but for security it was split off
- Many programs need to know information about users, but they don't need the password hashes



https://en.wikipedia.org/wiki/Shadow_the_Hedgehog

Who do? SUDO!

- This is how we ask the Super User (root) to perform an action that our user doesn't necessarily have permission to preform
- su – this is how we switch users



Lab Time!

- Work with your team to get through the lab exercises
- Remember the point is not to complete the labs, but to understand why you were able to complete them

