Linux CLI Tasks with Commands and Explanations

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# 1. Creating and Renaming Files/Directories

Create a directory, an empty file, and rename the file.

mkdir test\_dir

touch test\_dir/example.txt

mv test\_dir/example.txt test\_dir/renamed\_example.txt

# 2. Viewing File Contents

Use cat to display full content, head for first 5 lines, and tail for last 5 lines.

cat /etc/passwd

head -n 5 /etc/passwd

tail -n 5 /etc/passwd

# 3. Searching for Patterns

Search and display all lines containing the word 'root'.

grep "root" /etc/passwd

# 4. Zipping and Unzipping

Compress a directory and extract it into another location.

zip -r test\_dir.zip test\_dir

mkdir unzipped\_dir

unzip test\_dir.zip -d unzipped\_dir/

# 5. Downloading Files

Use wget to download a file from a URL.

wget https://example.com/sample.txt

# 6. Changing Permissions

Create a file and make it read-only for all users.

touch secure.txt

chmod 444 secure.txt

# 7. Working with Environment Variables

Create and print a temporary environment variable.

export MY\_VAR="Hello, Linux!"

echo $MY\_VAR