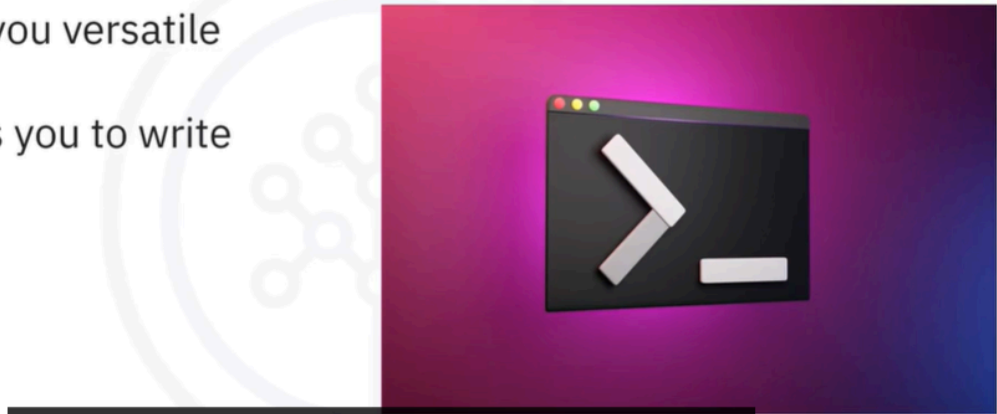


Introduction

Linux commands and shell

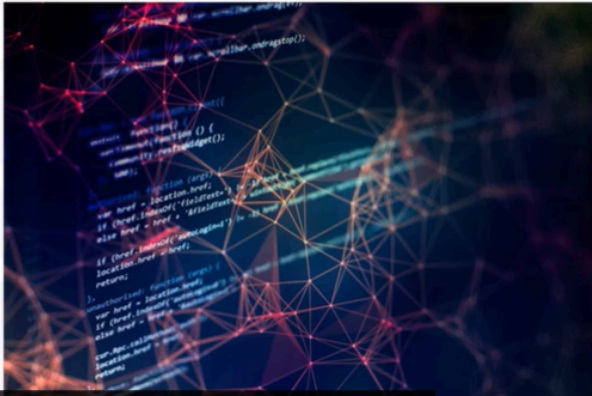
- Makes you versatile
- Enables you to write scripts



- Learning Linux commands and shell scripting (Bash in particular) makes you versatile. If you are a software developer, data scientist, data engineer, systems administrator, DevOps professional, system architect, or software engineer. A good understanding of Bash commands will enable you to write scripts that simplify the building process of all sorts of data pipelines and application workflows.

Introduction to Linux

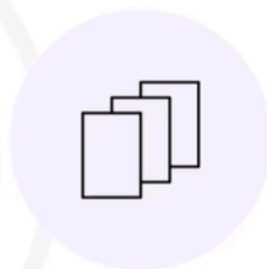
- Origins of Unix and Linux
- Accomplishing simple tasks



- We will start off with an introduction to Linux. You will learn about the origins of Unix and Linux, the architecture of a Linux distro, and how to accomplish simple tasks in a Linux terminal.


Files and directories

- Navigate the file system
- Manage files and directories
- View the content of files



- The task of managing files and directories is crucial. You will learn how to navigate your file system and manage your files and directories by creating new directories, removing unwanted directories, creating new files, and copying and moving files and directories. You will learn how to view the content of your files in various ways.

File archiving and compression

- Archive files and directories
 - Extract files and folders
 - Extract and decompress files
- 
- You will get hands-on experience with archiving the files and directories in a directory tree, extracting files and folders from your archives, and extracting and decompressing files from zipped archives.

Shell scripting basics

- Explore all aspects of scripts
 - Explore Bash shell scripting
 - Discover useful features of Bash shell
- 
- Script is a list of commands interpreted by a scripting language. It is widely used to automate processes. As we proceed, you will explore all aspects of

scripts and Bash shell scripting, what shell scripting is used for, and how to create and run your own shell scripts. You will also discover useful features of the Bash shell along the way, including the use of metacharacters, input and output redirection, and passing arguments specified on the command line to your shell scripts.