

Linux Commands and Shell scripting

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Chapter 2

Agenda

- Most Used Linux Commands
- Types of shell
- Shell scripting basics
- Hands-on session using commands
- Sample examples for scripting
- Commands Cheat sheet

Most Used linux Commands

1. SYSTEM INFORMATION
2. FILE AND DIRECTORY COMMANDS
3. PROCESS MANAGEMENT
4. FILE PERMISSIONS
5. NETWORKING
6. INSTALLING PACKAGES
7. SEARCH
8. SSH LOGINS
9. FILE TRANSFERS
10. DIRECTORY NAVIGATION

Types of shell

Description of different types of shell

- Bourne **shell** (sh)
- C **shell** (csh)
- TC **shell** (tcsh)
- Korn **shell** (ksh)
- Bourne Again **S**hell (bash)

Shell scripting basics

1. Regular expressions
2. Filtering and formatting (Example 1)
3. File editing using sed
4. Basics of using loops , If statement and Files (Example 2)
5. Sed commands set- 2
6. Special cases and exception using shell

Sample examples for scripting

- Create a script (create a file with movie name, hero and director)
 1. Store moviename —> hero name in hero.txt and sort ^b and print as output
 2. Store moviename —> director in director.txt and sort *sh and print as output
- Create a script which will count number of lines in a file and separate even lines and odd lines into different files. And from that new files sort lines which has “Virtual” word
- Create a script which will check the existence of given argument file name and if not existed and create a new file with given template and add some parameters with some values in new file

Thank You

