

Unix/Linux Fundamentals

1. Getting acquainted with Linux
 - a. Logging in-out
 - b. Brief History
 - c. Unix Flavours
 - d. Linux distros
2. Linux/Unix Architecture
 - a. Concept of Multiuser-multitasking
 - b. Architectural view
 - c. Unix command structure
 - d. Getting help
 - e. Combining the commands
3. Using Linux/Unix
 - a. Frequently used commands and utilities
 - i. Ls , cat ,cd ,mkdir ,rmdir,touch ,grep etc
 - ii. User commands – who ,who am i etc
 - b. IO redirection and piping (stdin ,stdout,stderr, tee)
 - c. Concept of Users and groups
 - i. User access privileges
 - ii. Superuser and permissions
 - iii. Password files
4. Filesystem
 - a. Filesystem concept
 - b. Unix 's File/dir hierarchy
 - c. Filesystem types
 - d. Creating and mounting filesystem
 - e. Filesystem related command
 - f. Configuration files
5. Handling Files & directories
 - a. Creation, deletion
 - b. Permissions
 - c. Compressing/decompressing files
6. Networking Utilities
 - a. Ping ,ifconfig,ssh,scp etc
 - b. Starting and stopping networking services
 - c. Network configuration files
7. Application Installation on Unix
 - a. Package formats and installation
8. Booting Linux
 - a. Boot order
 - b. Run levels and rc scripts
 - c. Configuration files for booting
9. Installation
 - a. Installation & configuration of Linux
 - b. Getting updates

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