

02. Introduction to Cloud & DevOps

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1. Core Fundamentals(Linux, Scripting= YAML, Python)
2. Infrastructure (Cloud)
 - a. AWS
 - b. Azure
3. Deployment (DevOps)
 - a. DevOps = CI/CD
 - b. SysOps = Docker, Kubernetes
 - c. CloudOps = CI/CD + Kubernetes

Core Fundamentals:

1. Computer Fundamentals (OS = Linux, Scripting, Network, Security)

Linux Practice: <https://shell.cloud.google.com/>

- Redhat
- Debian:
 - Ubuntu = Africa
 - Kali = India
- \$ cat /etc/os-release

Wild Card Character:

> Searching

Asterisk(*) = one / More than one characters

Question Mark(?) = Only one character

LMS Portal: <https://ilms.nubeera.com/>

- Notes
 - Material Notes
 - Short Notes
 - Running Notes
- Recorded Videos
- Online Labs
- Scripting/ Manuals

Unix ---> Linux

Linux Commands Categories:

1. File Management
2. User Management
3. Package Management
4. Disk Management
5. Network Management
6. Security Management

1. File Management

➤ \$ pwd #Present Working Directory

- \$ ls #Listing Files & Folders
- \$ touch filename.ext #Create Empty File
- \$ touch f1.txt
- \$ touch f2.txt
- \$ touch f3.txt
- \$ touch f1.txt f2.txt f3.txt # Create Multiple files in Single Command

\$ touch s{1..500}.txt # Create 500 Files in Single Command

Create File using

1. Command
 - a. \$ touch
2. Command Editor
 - a. \$ cat = ConCATenate
 - i. Read \$ cat filename.ext
 - ii. Write \$ cat > filename.ext
 - iii. Append \$ cat >> filename.ext
 - b. \$ vi = Visual
 - c. \$ vim = Visual Improved
 - d. \$ nano = GNU, Simple, Modeless
3. Graphic Editor
 - a. \$ gedit = Graphical Editor
 - b. \$ Visual Studio code Editor

\$ touch abc.txt #Create an Empty File

\$ cat abc.txt # Read Text File

\$ cat > abc.txt

WRITE MESSAGE

Ctrl+z

Clear Screen: \$ clear OR \$ ctrl+L

Complete Word: \$ touch pTAB key

\$ cat >> pqr.txt # Append file

\$ mkdir FolderName

\$ mkdir F1 F2 F3

\$ mkdir F{1..50}

Only Display Files Not Folders

\$ ls -p | grep -v /

Only Display Folders not Files

\$ ls -p | grep /

\$ rm FileName.ext Single File Delete

\$ rm -i FileName.ext #Delete File with Confirmation

\$ rm Pattern**WildCard**.ext

Delete all txt files start with **f** character

\$ rm f*.txt

Delete Everything

\$ rm -rf *

cd = Change Directory / Current Directory

Linux Command Categories

1. File Management

1. \$ pwd
2. \$ ls
3. \$ mkdir
4. \$ touch
5. \$ cat
 - a. Read
 - b. Write
 - c. Append
 - d. Check OS: \$ cat /etc/os-release
6. \$ rm
 - a. File
 - b. Directory \$ rm -rf *