

BECOME A PRO

LINUX SYSTEM ENGINEER



We specialize in providing comprehensive Linux System Engineering course so that you can become the expert of it.

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LINUX SYSTEM ENGINEER-L1+L2 SYLLABUS

- ✓ Best Linux System Engineering Course in India
- ✓ Conquer the IT world by Mastering Linux
- ✓ Basic to Pro Level Training

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What You'll be Learning in this course

Tier:1

- **INTRODUCTION TO LINUX & VIRTUALIZATION TECHNOLOGY**
- **BOOTING PROCESS OF LINUX & INSTALLATION OF REDHAT, CENTOS & UBUNTU**
- **RHEL 9 FEATURES**
- **IMPORTING OVA FILE ON VIRTUAL BOX**
- **VM CLONING**
- **SETTING UP LINUX WITH IP ADDRESS, HOSTNAME & DO BASIC NETWORKING.**
- **ACCESS & MANAGE LINUX AND ITS FILES & DIRECTORIES FROM WINDOWS USING MOBAXTERM, WINSCP AND COMMAND PROMPT.**
- **LINUX RUN LEVELS**
- **SET & CHANGE DEFAULT RUN-LEVELS IN LINUX**
- **FILE SYSTEM STRUCTURE & HIERARCHY**
- **LINUX SHELLS**
- **CREATING FILES & DIRECTORIES IN LINUX**
- **CREATION OF HIDDEN FILES IN LINUX**
- **FILE ATTRIBUTE & PROTECT FILE FROM MANUAL DELETION**
- **ABSOLUTE PATH & RELATIVE PATH**
- **HARD LINK, SOFT LINK & INODES**
- **DELETING FILES & DIRECTORIES**
- **CAUTION OF RM -RF COMMAND**
- **TYPES OF FILES IN LINUX**



- **COMMAND ALIASING (LOCALLY & GLOBALLY)**
- **LINUX MAN PAGES**
- **USE NANO & VIM EDITOR LIKE A PRO**
- **PROFILE FILE MANAGEMENT IN LINUX**
- **ENVIRONMENT VARIABLES IN LINUX**
- **WILDCARDS IN LINUX**
- **LINUX REDIRECTION. STDIN, STDOUT, STDERR & I/O REDIRECTION**
- **FINDING FILES USING FIND & LOCATE COMMANDS**
- **MASTERING FIND COMMAND**
- **USE AWK, SED & CUT COMMAND LIKE PRO**
- **USE OF PIPE COMMAND**
- **MASTERING GREP COMMAND**
- **FIND HARDWARE INFORMATION USING LINUX**

Tier:2

- **USER & GROUP ADMINISTRATION**
- **CHANGING OF DEFAULT LOGIN SHELLS OF NEW USER**
- **DISABLING & ENABLING OF ROOT ACCOUNT**
- **PASSWORD MANAGEMENT**
- **CUSTOMIZING /ETC/SKEL**
- **RECOVER DELETED USERS & GROUPS IN LINUX**
- **FIXING CORRUPTED SUDOERS FILE IN LINUX**
- **FILE SECURITY IN LINUX (STANDARD & ADVANCED)**
- **SUID, SGID & STICKY BIT**



- **MANAGE ACLS IN LINUX**
- **SERVICE MANAGEMENT USING SYSTEMCTL**
- **PROCESS MANAGEMENT IN LINUX**
- **PROCESS PRIORITY, TOP COMMAND & JOBS**
- **HIDING SYSTEM & ROOT PROCESSES FROM NORMAL USER**
- **UNDERSTANDING SYSTEM LOAD AVERAGE**
- **MASTERING NICE & RE-NICE COMMANDS**
- **INTRODUCTION TO BPYTOP COMMAND**
- **TASKS & JOBS SCHEDULING USING AT & CRONTAB**
- **AUTOMATE BACKUP IN LINUX USING RSYNC & CRONTAB**
- **USE CASES OF SCP & RSYNC COMMAND**
- **INTRODUCTION TO SSH & BASICS OF IT**
- **SSH LOGIN WITHOUT PASSWORD**
- **SSH WELCOME BANNER CREATION**
- **SSH SERVER HARDENING & IMPLEMENTING MULTI FACTOR AUTHENTICATION USING PHONE**
- **ARCHIVING OF FILES IN LINUX & TRANSFERRING BETWEEN SYSTEMS**
- **LINUX PACKAGE MANAGEMENT**
- **LOCAL YUM REPOSITORY SERVER CONFIGURATION**
- **APACHE BASED YUM/DNF REPOSITORY SERVER CONFIGURATION**

Tier:3

- NETWORK MANAGEMENT IN LINUX
- ASSIGN IP ADDRESS USING NMCLI, NMTUI & GUI METHOD
- FIREWALL MANAGEMENT IN LINUX (INCLUDING UFW)
- COCKPIT SERVER MANAGEMENT IN REDHAT
- LINUX LOG MONITORING & LOG MANAGEMENT
- LOG ROTATE CONFIGURATION IN LINUX
- PARTITIONING, DISK MANAGEMENT & FILE SYSTEM MOUNTING IN LINUX
- SWAP SPACE MANAGEMENT
- LVM MANAGEMENT IN LINUX
- RESIZING OF LVMS & SNAPSHOTS
- MERGE/SPLIT VOLUME GROUP IN LVM
- MIGRATE PHYSICAL VOLUME & DATA DISK FROM ONE MACHINE TO ANOTHER
- LVM REPORTING
- RECOVER DATA & RESTORE DELETED LVM
- CHECK & REPAIR FILE SYSTEM IN LINUX
- INTRODUCTION TO SELINUX
- TARGETED POLICY IN SELINUX- CONFINED & UNCONFINED USER
- MANAGING PORTS & CONTEXTS HANDLING IN SELINUX
- SELINUX PRACTICAL -1
- SELINUX PRACTICAL -2
- SELINUX PRACTICAL -3



Tier:4

- **FIXING KERNEL PANIC ERROR IN RHEL 8**
- **DEBUG GRUB ERROR & RECOVER VMLINUZ KERNEL FILE**
- **VSFTPD CONFIGURATION**
- **APACHE WEB SERVER CONFIGURATION**
- **MINIO OBJECT STORAGE CONFIGURATION IN UBUNTU**
- **HAPROXY LOAD BALANCER CONFIGURATION**
- **CENTRALIZED RSYSLOG SERVER CONFIGURATION**
- **NFS SERVER & CLIENT CONFIGURATION**
- **SAMBA SERVER & CLIENT CONFIGURATION**
- **NTP SERVER & CLIENT CONFIGURATION**
- **SQUID PROXY SERVER CONFIGURATION**
- **OPENVPN SERVER CONFIGURATION**
- **POSTFIX SMTP SERVER CONFIGURATION**
- **SENDMAIL CONFIGURATION**
- **MARIADB SERVER INSTALLATION & CONFIGURATION**
- **NGINX WEB SERVER CONFIGURATION PLUS REVERSE PROXY IN RED HAT**



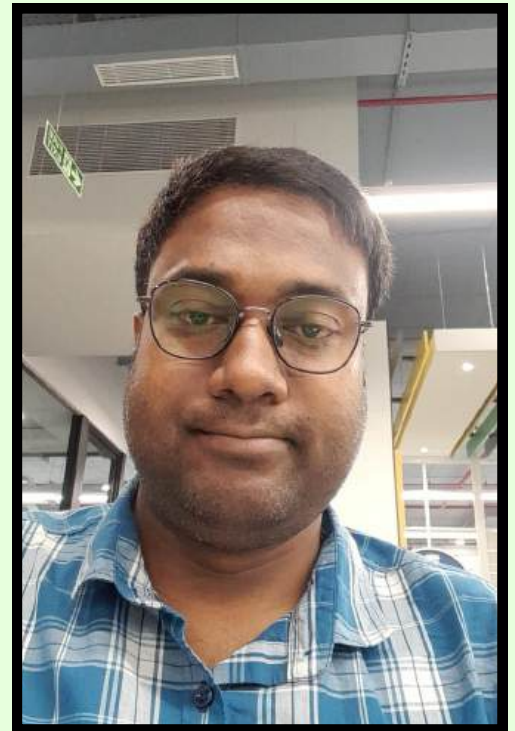
Terms & Conditions (Course Policy)

- **ALL COURSES ARE NON-REFUNDABLE, I.E. AFTER COMPLETION OF COURSE CANDIDATE CANNOT ASK FOR ANY DISCOUNT, COUPON OR REFUND**
- **PASSWORD PROTECTED SESSION RECORDINGS WILL BE PROVIDED; CANDIDATE SHOULDN'T PERFORM ANY MALPRACTICE OR PENETRATION TECHNIQUE TO THE RECORDING LINK.**
- **SESSIONS WILL BE CARRIED OUT IN CISCO WEBEX. CANDIDATE SHOULD LOGIN TO ONE DEVICE ONLY, LOGGING WITH THE SAME LINK IN MULTIPLE DEVICE OR SHARING THE LINK TO OTHERS WILL RESULT BLOCKING OF THE DEVICE.**
- **INSTRUCTOR LED ONLINE TRAINING.**
- **REAL TIME PROJECTS WITH PRACTICAL.**
- **AMPLE OF INTERVIEW Q/A WILL BE SOLVED**
- **CAREER COUNSELING.**
- **CERTIFICATE WILL BE ISSUED AFTER COMPLETION OF COURSE.**

**** WE STRICTLY FOLLOW HIPAA, PCI-DSS, NIST AND GDPR SECURITY COMPLIANCE.**

PRAJESH DUTTA

Founder & Trainer
Certified in
RHCSA, RHCE, CCNA, AWS & ITIL



Prajesh Dutta has around 7+ years of experience in IT, Telecom & DevOps. He has worked in multiple domains starting with System Engineer, System Admin, DevOps Consultant & also Security Analyst in the companies like Tata Communication, Wipro, Simplilearn, and Perfios etc. He is having strong skills in Linux, AlienVault & Splunk SIEM tool as well as in SOC & Penetration Testing.
