


Server Side Tasks (VM1)

Task 1: Advanced User and Group Configuration

 **Search for:**

- "Linux User and Group Management Tutorial"
- "How to Create and Manage Groups in Linux"
- "Understanding Sudoers File in Linux"
- "How to Use Bash Scripts to Automate User Management"
- "Linux Access Control Lists (ACLs) Explained"

Task 2: Security Hardening

 **Search for:**

- "How to Set Up SSH Key-Based Authentication"
- "Disabling Password Authentication in SSH"
- "Linux Security Best Practices"
- "How to Enable Automatic Security Updates in Ubuntu"
- "How to Configure Message of the Day (MOTD) in Linux"

Task 3: System Monitoring & Automation

 **Search for:**

- "How to Monitor CPU and Memory Usage in Linux"
- "Linux System Monitoring with Shell Scripts"
- "How to Restart Services Automatically in Linux"


- "How to Use inotifywait for File System Monitoring"
- "Automating Log Collection in Linux"

Task 4: MySQL User Management and Database Exploration

 **Search for:**

- "MySQL User Management & Privileges"
- "How to Create and Manage MySQL Databases"
- "How to Enable MySQL Logging and Auditing"
- "Automating MySQL User Management with Shell Scripts"

Task 5: Network Connectivity Monitoring

 **Search for:**

- "How to Use Ping and Traceroute in Linux"
- "Writing a Network Monitoring Script in Bash"
- "How to Change File Permissions in Linux"
- "Using SCP Command to Transfer Files Securely in Linux"

** Client Side Tasks (VM2 & VM3)**

Task 1: Development Team (VM2)

Search for

- "How to Monitor SSH Login Attempts in Linux"
- "Using iptables to Block IP Addresses in Linux"
- "How to Find and Change File Permissions in Linux"

Task 2: Operations Team (VM3)

Search for:

- "Linux Process Management and Process Tree"
- "How to Identify and Kill Zombie Processes in Linux"
- "How to Set Disk Quotas in Linux"
- "Monitoring Disk Usage with Shell Scripts"
- "How to Automate Reports with SCP in Linux"