

## **Linux Interview Questions**

**Explain the file system hierarchy in Linux system?**

**Ans)**

**What is mkdir command and what is the -v, -p and -m options with mkdir command?**

**Ans)**

**What is ls -ltr? In this what is l,t and r?**

**Ans)**

**How to list all hidden files and hidden directories?**

**Ans)**

**How to display only directories?**

**Ans)**

**How to display only files?**

**Ans)**

**What is cd -?**

**Ans)**

**What is cd ~?**

**Ans)**

**What is cd?**

**Ans)**

**Which user account is created on Linux while installation?**

**Ans)**

**What is the use of file command?**

**Ans)**

**How to create zero size file Linux?**

**Ans)**

**How to check the RAM size?**

**Ans)**

**How to check the server resources(CPU, RAM and Disk) utilisation?**

**Ans)**

**How to search the files with various conditions like empty files, based on size...?**

**Ans)**

**What is Umask?**

**Ans)**

**How to set the umask permanently for a user?**

**Ans)**

**How to set the permissions for files or directories?**  
Ans)

**How to check open ports on local system?**  
Ans)

**How to check open ports on remote server?**  
Ans)

**How to check which services are enable across reboot?**  
Ans)

**What is load average in Linux?**  
Ans).

**What is partial backup?**  
Ans)

**when you select single partition for single folder for backup on your server.**  
Ans)

**What is the boot process in Linux?**  
Ans)

**How can we review boot message?**  
Ans)

**What are the fields in the/etc/passwd file?**  
Ans)

**How to check which RPM provides/etc/shadow file?**  
Ans)

**In which file the password are saved for each user?**  
Ans)

**In which file user information is saved?**  
Ans)

**What is Inode? What is the use?**  
Ans)

**/etc/resolve.config**  
**Explain and if we not declared here what will happen?**  
Ans)

**What is Vcpu,if vcpu % more than 1 what will happen?**  
Ans)

**How you will find out memory details and explain about swap memory?**  
Ans)

**Write a command for 5 days older files with extension of .log , those files want to move it different directory?**

**Ans)**

**What is Inode? What is the use of Inode?**

**Ans)**

**Bootting process? Explain about run levels? what is default run levels?**

**Ans)**

**How will you find out top ten process?**

**Ans)**

**How to check the CPU utilization?**

**Ans)**

**Difference between Top/HTop?**

**Ans)**

**Directory special permissions?**

**Ans)**

**What is soft link and hard link? How to create? What is the difference between these two?**

**Ans)**

**What is cron tab? Explain it? How to configure the schedule a job?**

**Ans)**

**Explan about Process and threads?**

**Ans)**

**What is zombie proces?**

**Ans)**

**How will you find out what are the files using by particular process?**

**Ans)**

**What is zone file?**

**Ans)**

**What is netstat command in Linux?**

**Ans)**

**How can you prevent anyone from scheduling a cronjob?**

- A) Delete the file /etc/cron.deny**
- B) Create an empty file called /etc/cron.deny**
- C) Create two empty files: /etc/cron.deny and /etc/cron.allow**
- D) Create an empty file called /etc/cron.allow**

**Ans)**

**Using command substitution, how would you display the value of the present working directory?**

- A) echo \$(pwd)
- B) echo pwd
- C) \$pwd
- D) pwd|echo

Ans)

**What is nohup command?**

Ans)

**How to connect remote servers without password? How to archive this?**

Ans)

**How to open file in read only mode in VI editor?**

Ans)

**What is mount? How to create mount?**

Ans)

**How to trouble shoot live logs?**

Ans)

**What is sed command?**

Ans)

**What is AWK command**

Ans)

**What is grep and egrep?**

Ans)

**How to list out the only directories in a Linux?**

Ans)

**How to check the process in Linux?**

Ans)

**How to allow the ports in Linux?**

Ans)

**What is ping? Telnet? Curl? Wget?**

Ans)

**How to check the services in Linux machine?**

Ans)

**How to kill the process in Linux?**

Ans)

**What is nice and renice?**

**Ans)**

**How to get the java thread dump?**

**Ans)**

**How to check the running ports?**

**Ans)**

**How to trouble shoot the remote server having some issue?**

**Ans)**

**A process is identified by a unique**

- a)pid
- b)id
- c)processid
- d)proid

**Ans)**

**Which of the following is the BEST way to set up SSH(Secure Shell) for communicating between Systems without needing passwords?**

- A)Use ssh-keygen for generating public-private keys.
- B)Disable passwords on specific accounts that will use SSH.
- C)Both A and B
- D)None of the above

**Ans)**

Given a file, replace all occurrence of word "mithun" with "manan" from 5th line till end in only those lines that contains word "ruthvik"

**Ans)**

Given file is mithuntechnologies.txt

sed -n `5,\$p` mithuntechnologies.txt | sed ` / ruthvik/s/ mithun/manan/`