

Job Related Tasks as System Administrator

Administration

- Install Operating system
- Manage hardware, firmware and operating system
- Services installation and configuration
- Upgrade Linux servers
- Migrate OS from older hardware to newer hardware
- Patch management
- 3rd party software installation and configuration

Different Type of Issues or Troubleshooting

- Server is running slow, it take a long time to login
- Disk space is full
- Need more disk space
- NTP is not working
- Server cannot send email Sendmail is not working
- Cant mount NFS file system or CIFS share
- Cannot restart a service
- Cannot reach a server (network related)
- Unable to resolve a hostname from DNS
- Can't get to the DNS server
- Cant download a new rpm package from redhat.com using yum command
- Log file is too big
- Server loses IP every time it reboots
- Filesystem is corrupted
- Rsyslog is not sending logs to the central logger
- Cant mount samba share
- Samba share is very slow
- Cannot SSH to a server
- Cannot copy files to a directory, permission denied
- Cannot login as root using SSH protocol
- User cannot write to his/her home directory. User home directory is full
- User cant login through username and password
- Incorrect hostname
- Memory is high or full
- Login issue with username and password
- Writing scripts to automate tasks
- Backup is not working
- Setup cronjobs to schedule tasks

Documentation

- Create and update all documentation

Meetings:

- Meet with the vendors or management and keep them updated on the progress of the job/tasks

Additional Tools:

- Monitoring tools
- Documentation tools
- Ticketing system
- Timesheet system
- Configuration tools (Redhat Satellite, Puppet, kickstart etc.)

Vendor Relation:

- Redhat
- HP
- Dell
- Cisco
- Sun/Oracle
- VMWare
- 3rd Party vendors (Application related)
- Microsoft

3rd Party Applications Support:

- Any application that will be running on Linux servers

Licensing:

- Keeping track of all licensing

Other Job Related Tasks:

- Being on-call
- Recommendation or introduce new technology
- Attend training or job related seminars
- Project management
- Evaluate 3rd party tools