**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