

Experience Summary

Having 3.2 years of experience as a System Admin in IT infrastructure functions. Proven analytic and problem-solving skills and dedication to maintaining the high-security standards and integrity of the organization's IT infrastructure.

Professional Experience

Client: HCL Technologies
Location: Hyderabad
Position: System Administrator

Roles & Responsibilities

Linux Administration:

- Experience in administrating Linux, Experience in Installation, Configuration, Backup and Restore, Maintenance, Support, Management of Linux OS (RHEL).
- Installation of Packages through RPM and YUM utilities.
- Monitoring Disk usage, Memory, CPU utilization.
- Having experience in Installing, Managing and upgrading patches and packages through RPM and YUM utilities.
- Hands-on experience in managing Disk quota and logical volume manager (LVM), Creating and removing volume groups, increasing and reducing the sizes of logical volumes and physical volumes.
- Creating File systems and mounting them permanently.
- File permissions.
- Implementation of ACL for improving file security.
- LVM – Creation/Resizing/Deleting of volume groups, physical volume, logical volumes.
- Changing ownership to users and also restricting the users by using ACL.
- Good knowledge of creating and managing the swap space.
- Managing user and Group administration like creating, deleting, assigning user accounts, and monitoring the user administration-related file systems and security permissions.
- Configuring & enabling services like FTP, SSH.
- Hands-on exposure on the configuration of NFS.
- Installation and configuration of Apache (HTTP/HTTPS) and SAMBA servers.
- Troubleshooting Booting issues like resetting root password, ctl-D (error in fstab), GRUB, MBR, initrd, Kernel Panic.
- Performance tuning whenever we have to, to check the load average based on client requirements and analysis using top, vmstat, iostat, pidstat services.
- Reducing the load by balancing the nice value so it won't affect the process or service as well as the system.
- NIC bonding.

Technical Skills:

Operating Systems	Windows, Linux
Networks	LAN, Switches
Services	DNS, Apache, NFS, FTP, SAMBA, MySQL, SSH
Scripting Languages	Shell Scripting

AWS:

- Proficient in Cloud to design Infrastructure as a service (IAAS) in AWS services like VPC, EC2, S3, ELB, Autoscaling, EBS, RDS, IAM, Route 53, CloudWatch, CloudFront.
- Infrastructure Development on AWS by employing services such as EC2, RDS, CloudFront, CloudWatch, VPC.
- Created topics in SNS to send notifications to subscribers as per the requirement.
- Configuring CloudWatch alerts.
- Created Snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
- Creating EFS using EC2 instances to share data.
- Setup and attach EBS volumes to EC2 instances.
- Creating and Managing AMI/Snapshots/volumes, Upgrade/Downgrade AWS resources (CPU, Memory, EBS).
- Configuring S3 bucket with restricted policies.
- Creating and managing S3 buckets and giving permissions using ACL and Bucket policy and also restrict the users to access all permissions by using JSON scripts.
- Using Amazon IAM service to grant permissions and resources to users.
- Managing roles and permissions of users with the help of AWS IAM.
- Hands-on experience in creating a Load Balancer to distribute the traffic via Target groups with multiple Availability zones and also perform a health check.
- Creating Hosted zones (Private & Public zones), health checks, and routing policies by using Route53.
- Good experience in architecting and configuring secure cloud VPC using private and public networks through subnets in AWS.
- Included Security groups, Network ACLs, Internet gateways, and Elastic IPs to ensure a safe area for the organization.
- VPC peering.
- Installation and configuration of MySQL.

Technical Skills:

- AWS components: S3, AMI, ELB, EC2, Security groups, VPC, RDS.
- CloudWatch
- EBS volumes and snapshots
- Auto Scaling and Elastic Load balancing
- Multi-platform Experience (Linux, Windows)
- AWS cloud infrastructure: IAAS, SAAS, PAAS
- Hands on Experience with installing Windows XP 7,8,10.

Academic Credential

- Diploma in Electronics and Communications Engineering at Intell Engineering College.

Date:

Place:

R. Saiteja