USWAH

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**SUMMARY**

Highly Talented Linux system administrator/engineer with 5 years of Professional experience. Skilled in managing the entire life cycle of servers including deployment, installation, administration, and maintenance using various DevOps tools. Skilled in Orchestrating with teams to execute technical processes on Linux-based machines. Hands-on experience with provisioning, patching, configuring, monitoring and decommission servers. Expert in incident management to provide OS support and Platform support to a live production cycle environment. Experienced in dealing with technical teams and clients to secure and maintain the IT environment. Exceptional Communication skills and learning capability.

**Skills**

* **Operating Systems:** CentOS, Ubuntu and RHEL,
* **Virtualization tools:** VMware, Vmotion, ESXI, vSphere
* **Monitoring tools:** Nagios, Jira, Splunk
* **Ticketing tools:** BMC Remedy, SNOW
* **Network Protocols**: TCP/IP, UDP, SSH, DNS, DHCP, NFS
* **Application servers:** Apache, httpd
* **Automation tools:** Ansible, Ansible Tower
* **Containerization:** Docker
* **Version control tools:** GIT, Git Lab
* **Scripting languages:** BASH, YAML
* **Storage Management:** LVM, RAID, Ext3, Ext4, Xfs
* **Package management:** YUM, RPM
* **Security Protocols:** Firewall, SELinux
* **Cloud computing:** EC2, IAM, S3, ELB, Glacier, Route53

***Additional Skills***

Upgrading services CI/CD

KVM virtualization Kernel Tuning

PXE Boot Direct user support

Cronjobs Mounting Resources

ILO, IDRAC Kick start

Internal & external communication Team lead

**Professional Experience**

**LINUX INFRASTRUCTURE ENGINEER** **|** **Morgan Stanley**

*Georgia 02/2021-Present*

* Strong experience in automating large-scale deployments with automated configuration and deployment management system that is Ansible.
* Responsible for patching, provisioning, and setting up CentOS and RHEL virtual machines using templates, cloning, and taking snapshots of VMs.
* Monitoring health checks for virtual machines and ESXi hosts and actively participating in the migration of servers from P2V or V2V.
* Provided visibility compliance within organization’s Ansible tower.
* Have great expertise in amazon web services and its instances such as EBS, EC2, IAM and glacier.
* Working with CloudWatch for providing high availability of applications of EC2 instances based on a load of applications.
* Used AWS Identity and Access Management (IAM) to control access to AWS resources and instances.
* Created load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
* Strong experience in user management, setting up permissions for the files/directories and users/groups.
* Worked on incidents about setting special permissions SGID, SUID, STICKYBIT and UMASK.
* Configured SUDO and granted root permissions to users and Database Admins to perform high privilege activities.
* Managed Storage and provided flexibility by using LVM, creating logical volumes and formatting them with different filesystems, mostly XFS and EXT4.
* Working with Git lab code hosting platform for version control and collaboration and providing a centralized, integrated platform for developers.
* Experience in deploying multiple containers on multiple hosts and monitoring the health of containers.
* Supporting developers gather applications and all their core necessities and dependencies into a single package (container), creating Docker images from the running container and using them to run replica sets.
* Control and automate webserver deployments and updates.
* Using the monitoring tools NAGIOS to observe CPU, RAM, physical disc, Hardware and Software RAID, file systems, and network.
* Working with Service Now to manage tickets and incidents.

##### **LINUX ADMIN** | **Hewlett Packard**

Berkley Heights, NJ 02/2019-01/2021

* Provisioned and deployed RHEL and CentOS 6 and 7 on VMware ESXI and bare metal servers.
* Configured LVM, created volume groups, logical volumes, and partitions on the Linux servers and mounted file systems on the created partitions.
* Engaged in Subscribing newly provisioned machines with RedHat satellite, joining with IDM and configuring DNS.
* Ran ansible playbooks to start/stop services and installed packages on large number of hosts.
* Using over the network installation tools like PXE Boot and kickstart to automate the process of provisioning Linux servers.
* Configured Samba to get access to Linux-based resources through Windows.
* Maintained System Security SELinux by actively identifying faults and vulnerable areas within the systems architecture and proactively develop protections.
* Configured NIC in order to optimize bandwidth and prevent connectivity loss in the event of network adapter failure. Maintained System Security SELinux by actively identifying faults and vulnerable areas within the systems architecture and proactively develop protections.
* Filesystem Administration using FSCK and fdisk to repair corruption, and then maintain the performance by health checks from time to time.
* Exposed to kernel tuning to change kernel parameters as well as to make them boot persistent.
* Provided exceptional customer support and actively participated in internal and external communications.
* Extensive experience in configuration, troubleshooting, and support with HP ILO remote console servers.
* Formatted ext3, ext4 and xfs file system to store data in fixed-length blocks on the physical devices.
* Responsible for the configuration and upgrading of servers such as VSFTPD, DNS, Apache, LDAP.
* Experience in installing and configuring of packages through YUM/RPM and responsible for patch management.
* Used a variety of shell and scripting languages, notably bash, to create and manage programs and scripts that facilitate the operation and automation of administrative activities.
* Worked with editors like Vim, Vscode and others for the purpose of editing files based on clients need.
* Responsible for user and group management, allowing/denying access, ownership, permissions to the users according to the company’s rules and regulations.
* Worked on tickets and incidents and managed them using snow.

##### **LINUX SUPPORT** | | **New York Presbyterian**

New York, NY - 01/2018 – 12/2018

* Ability of using RPM and yum for managing packages for RHEL/CentOS.
* Monitor system security logs to determine security problems.
* Scheduled cronjobs to monitor the system, enabled network, and achieving logs.
* Recognized requirements and defined, planned, and conducted necessary solutions.
* Solid understanding of network computing environment and Performed troubleshooting of issues.
* Coordinate with vendors to resolve hardware and software problems.
* Document system administration procedures for routine and complex tasks.
* Created SSH keys and ensured Password less access to troubleshoot various server-related issues.
* Worked with NFS server for exporting files over the network, managed incidents related to hung NFS shares and troubleshot with users.
* Experience in monitoring performance of CPU, Memory, Disks, Network and troubleshooted any issues related to them.
* Installed, configured, and implemented different RAID Levels (RAID 0, RAID 1, and RAID 5).
* Worked on tickets related to IP connectivity, routing, checkpoint firewall and network interfaces thus, maintained network connectivity of servers.
* Responsible for systems routine backups, scheduling jobs, enabling/disabling cron jobs.
* Performed health checks for Virtual Memory, CPU utilization and swap space.

**EDUCATION**

BS Information Technology (BS IT) | University of Management and Technology, Lahore, PK | Expected in 2024