**Mujahed Ali Syed**

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**PROFESSIONAL SUMMARY:**

* 10+ years of experience as a Sr. Linux/Unix System Engineer/Cloud Administrator and VMware Administrator under environment of RedHat Linux (RHEL) /6/7/8/9, IBM AIX, Windows 2003/2008 R2/2012/2014/2016/2019 VMware 4/5/6/7 environments.
* Configure and manage Middleware and web tools such as Apache, Tomcat, WebSphere, JBoss.
* Regular work involving building new Linux Physical and Virtual servers using kickstart and PXE.
* Strong knowledge of large-scale Linux deployment methodologies, kernel configuration, performance monitoring, and tuning.
* Resolving system Hardware and software errors and crashes, huge file sizes, file system full errors.
* Managed packages using RPM/YUM on Red hat Linux and maintaining patching on Solaris servers.
* Strong experience in System Administration, Installation, Upgrading Patches, Configuration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on Red Hat Linux Systems.
* Skilled at Software Development Life Cycles and Agile Programming Methodologies.
* Actively involved in all stages of software development lifecycle (SDLC) Methodologies using Agile programming and Waterfall Process.
* Linux/Unix system administrator on RedHat EL, 7.x 5.x, 6.x, CentOS 7.x 6.x,5.x and VMware environment. Involved in migrating physical Linux/Windows servers to cloud (AWS) and testing.
* Worked on HP virtual Connect applications used for the configuration of HP BL860/870/890 blades within HP Blasé Chassis hardware.
* Have experience on virtual and physical instance provisioning, configuration management, patching and software deployment with Ansible playbooks and by writing custom modules for deployment orchestration.
* Expertise in using tools like Ansible/chef to treat Infrastructure as code.
* Provided production support in an on-call rotation in a 24x7 environment.
* Installation, Configuration and Administration of VMware ESXi 5.0, 5.1, 5.5, vCenter 4.0 Servers and also patching, management and troubleshooting of VMware, and ESX Servers and also install, configure and troubleshoot Wintel and windows server domain.
* Installation, Configuration & Troubleshooting with AWS/Azure Cloud Administration and Automation.
* Implemented Rapid VM deployment preparing templates, cloning and exporting VM to OVF format. Worked extensively on Templates/Clones/Snapshots & Resource pools P2V and V2V migrations using tools like VMware converter /Plate spin/Double Take.

**SKILLS:**

**Operating Systems:** RedHat Linux /6/7/8/9, IBM-AIX 5.x/6.x/7.x, HP-UX 11.x, SUSE Linux 10/11, Ubuntu, Windows 2003, 2008 R2, 2012,2016, 2019 VMware 4/5.

**Hardware:** Dell Power Edge server’s, HP/PA-RISC, HP ProLiant servers, HP DL 380 and 580, HP rp3440, rp4440, rx3600, IBM servers P510, P550, P570, AS/400, Cisco UCS, Dell.

**Tools:** VERITAS (Volume manager, NetBackup, Cluster server), VMware (ESx, ESxi, Server and Workstation), Red hat Cluster, Veritas Cluster Server.

**Languages:** HTML, Python.   
**Scripting:** Python, Power shell.

**Application Servers:** Web Sphere Application Server, Netscape/iPlanet Server, MQSeries, WebLogic Server, IBM HTTP Server, HTML, DHTML, XML, Java Script, JVM, JSP, JBoss, Apache/Tomcat.

**Cloud Platform:** AWS EC2, VPC, ELB, RDS, Route 53, ECS, EBS, Cloud formation, AWS Config, Microsoft Azure. Version **Control Tools:** SVN, GIT

**EDUCATION:**

Bachelors in Computers, Madurai Kamaraj University, India 2008

**PROFESSIONAL EXPERIENCE:**

**Texas Instruments, Richardson, TX Oct 2023 – Present**

**Senior Linux/UNIX System Admin / Cloud Admin**

* Responsible for overseeing system performance and maintenance.
* Managed team in monitoring and enhancing legacy server and cloud system performance.
* Expertise in file system concepts like LVM, SVM, VxVM. Creating new file systems, increasing and decreasing file systems, mounting file systems, unmounting file systems and troubleshooting Disk space issues.
* Involved in System Analysis and Performance Monitoring of Red Hat Linux.
* Deploy puppet to completely provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Designed and implemented for fully automated Server build management, monitoring and deployment using DevOps Technologies like Ansible playbook.
* Handled server installations, configurations and troubleshooting.
* Documentation and maintenance of installation processes for new server builds.
* Effectively handled the escalation of technical issues, resulting in improved team productivity.
* Developed custom scripts for various applications increasing efficiency by 30%.
* Addressed hardware and software problems on server systems.
* Significantly reduced hardware problem incidence by 20% through effective troubleshooting methods.
* Contributed to the evaluation and implementation of innovative tools and technologies.
* Effectively managed change requests, reducing backlog by 50% over a year.

**Bank Of America, Plano, TX Oct 2021 – Oct 2023**

**Senior Linux/UNIX Admin / Cloud Admin**

* Extensive experience on Implementations, troubleshooting, and proactively monitored Red Hat systems for the Enterprise.
* Hands on experience on installation and configuration: Linux, Red Hat Enterprise Linux 4/5/6/7/8/9 SLES, CentOS, Ubuntu.
* Managed 1500+ server installations and decommissions, improving system efficiency by 20%.
* Coordinated with IT teams to create and implement a centralized inventory system for network cables and computer parts, decreasing downtime caused by parts shortages by 25%.
* Successfully executed 50+ server migrations and consolidations without data loss, maintaining 99.99% uptime
* Monitor systems capacity and performance, plans and executes disaster recovery procedures using various tools like Splunk, New Relic, ForgeRock and various IBM proprietary tools.
* Worked on application of cloud providers, Amazon AWS Ec2.
* Worked on the AWS cloud management with puppet automation.
* Expertise in file system concepts like LVM, SVM, VxVM. Creating new file systems, increasing and decreasing file systems, mounting file systems, unmounting file systems and troubleshooting Disk space issues. Involved in System Analysis and Performance Monitoring of Red Hat Linux.
* Designed and implemented for fully automated Server build management, monitoring and deployment using DevOps Technologies like Ansible playbook.
* Implemented and monitored clustering on SPARC servers using Veritas Clustering.
* Creating, cloning Linux Virtual Machines, templates using VMware Virtual Client and migrating servers across ESX hosts.
* Jumpstart Solaris servers, custom configure, install packages, patches, Creating LDOMs, installing Solaris, creating volumes & installing packages.
* Working knowledge on Automatic Storage Management (ASM) and experience in Shell scripting (Ksh/Csh/bash/Sed/Awk).
* Automated the workflow using shell scripts.
* Worked on building Veritas Clusters from scratch and performed failover and High Availability tests.
* User management with LDAP and setting up Kerberos authentication for cluster and creation of volumes.
* Document all Deployments and / or configurations to Cisco Meraki, Firepower Threat Defense and ASA 55XX Series firewalls, Switches and Routers.
* Design, Deploy and Operate High Availability Enterprise PCI Certified, Cloud-Only IaaS & PaaS, using a pure Cloud-Stack in Azure.
* Provide Sr Systems Engineering & Administration in a Cloud-Only, multi-OS systems environments to support & secure our clients.
* Installed, Deployed Red Hat Satellite Enterprise Linux 6.x/7.x/8/9, CentOS and installation of packages and patches for Red Hat Linux Servers.
* Performed Installations, updates of new system packages using RPM, YUM in Linux servers.
* Worked on Linux based virtualization such as VMware vSphere web client.
* Worked with CI/CD system with Jenkins on Kubernetes container environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test and deploy.
* Leveraged Docker Engine to run Multiple Tomcat Instances as Containerized App Servers.
* Team role included working in VMware Orchestrator, VMware vRealize Automation Center 6.0 (vRA) catalog management creating cloud server provisioning entitlements, creating, and defining business groups, creating catalog items, creating services for the catalog items, creating Windows 2008/2012/2016/2019) and Linux (Red Hat 6/7/8/9) blueprints.
* Assist DEV-OPS teams, in supporting all infrastructure and platform requirements.
* Experienced in Red Hat Linux package administration using RPM and YUM.
* Built AWS S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup.
* Disk space management, LVM, Mirroring, User & System Resource management, Paging Space management, job scheduling.
* Creating new file systems, monitoring disk usage, checking and backup of log files administration and monitoring the disk-based file system. BASH/Shell scripting. Created Shell Scripts for automation of many routine processes.
* Performed vMotion and Storage vMotion of VMDK and VMF files to target landing zones.
* Performed p2v of standalone Red Hat Linux machines to virtual instances using VM converter and PlateSpin.
* Deploy, configure & secure Web Apps and Azure SQL servers. Integrate them into the IaaS virtual networks.
* Expertise on Red Hat Satellite Linux, Ubuntu, Solaris, AIX, CentOS, Fedora, Windows environments, and VMware vSphere. Experience in Installing, upgrading and configuring Red Hat Linux 5.x, 6.x, 7.x and 8.x Debian using Kickstart Servers.
* Experience in Installing Firmware Upgrades, kernel patches, systems configuration, system Performance tuning on Unix/ Linux systems Installation and troubleshooting on VMware running Linux (Red Hat) and Windows (Wintel, windows 7/8/10, XP, Vista).
* Patched and upgraded the firmware HP blades using ILO and Onboard Administration.
* Worked in configuring of HP-UX ServiceGuard clusters and storage environments for the use with Oracle and HP OpenView applications.
* Worked in an HP Serviceguard High-Availability Cluster that is mission-critical for the environments.
* Managed and maintained UAT/Development Serviceguard clusters. This was an HP-UX Serviceguard cluster used for OLB/Mobile applications.
* Took part in moving the cluster to a new EMC Symmetrix storage device.
* Creating, cloning Linux Virtual Machines, templates using VMware 4/5/6/7 and migrating servers between ESX hosts. Implement and maintain ESX host clusters and security.
* Managed Cloud/On Premises environments automated the provisioning of VM’s, patching, software installs, deployments and part of DevOps team in troubleshooting and fixing issues.
* Use Power Shell to connect to Exchange & SharePoint 2016 and for Office 365.
* Setup, configure and administer all mail connectors, groups, and personnel.
* Work in Hyper-V and VMware cluster environments on Dell-EMC.
* Support Readiness activities which include coordinating release specific changes related to configuration (WebSphere configuration changes) or release artifact (database DDL changes and code/content changes) followed by shakeout testing,
* Coordinates scheduled window deployments and also ad hoc deployments.
* DES does proactive and reactive monitoring, to ensure the health and availability of environments.
* Provides partnering support during OS/Middleware/Database patching/upgrade activities.
* Worked with Environment support team and made sure all the LLE are available to the partner teams 24/7
* Worked on high priority defects in LLE by coordinating with various application development and testing teams and made sure they are resolved.
* Worked on monitoring remedy and Jira tickets for daily BAU activities and made sure they are resolved on time.

**Citi Group, Irving, TX July 2016 – Oct 2021**

**Senior Linux Administrator / Cloud Admin**

* Primary System administrator for CITI CTO Project providing L3 support for Linux / VMware / Solaris servers (LDOMs/Zones) & AIX.
* Installing Patch Clusters and VTM (Vulnerability Threat Management) Patches for all Unix Servers as per the CITI Standard whenever required.
* Excellent knowledge and expertise in installation, configuration, administration, troubleshooting, tuning, security, backup, recovery and upgrades.
* Experience with SMIT, LVM (Logical Volume Manager), Mirroring, User & System Resource management, Paging Space management, job scheduling.
* Expertise in application of cloud providers, Amazon AWS Ec2/s3.
* Worked on Apache/Tomcat & JVM. Involved in troubleshooting the issues with application teams.
* Disk and space management using VXVM & LVM. This includes creating, resizing & mirroring file systems.
* Handling Server OS Crash / System Panic situation and identifying the root cause of problem and providing RCA and Postmortem for the issue.
* RedHat 5.x/6.x/7 OS builds using the TPM, installation/upgradation of software using the YUM repo / individual RPM.
* Knowledge in Solaris Virtualization (LDOM’s & Zones) and Patching Solaris LDOM/Zones.
* Blacklisting the unused SAN LUN’s and remove the same.
* Building/configuring/Managing Veritas cluster environments and Veritas Cluster Upgrade.
* Disk addition for Sybase (as a Raw Volumes) and for ASM with rules file updated.
* Network configuration, troubleshooting using the network tools in Linux platform to identify the Private Ethernet connectivity on the Cluster configuration (RAC as well as VCS Clusters).
* Coordinate with Datacenter for the complete setup of Veritas Clusters and with SAN team for Shared / SRDF disk configuration for Clusters.
* Organized regular data center cleanings, achieving a 10% improvement in operational efficiency.
* Performed regular hardware and software upgrades for clients, resulting in a 10% increase in customer satisfaction.
* Managed and maintained a 500+ server environment, supporting a 20% growth in service capacity.
* Experience in configuration, troubleshooting and support with Dell iDRAC remote console servers.
* Patched and upgraded the firmware HP blades using ILO and Onboard Administration.
* Disk addition for Sybase (as a Raw Volumes) and for ASM with rules file updated.
* Network configuration, troubleshooting using the network tools in Linux platform to identify the Private Ethernet connectivity on the Cluster configuration (RAC as well as VCS Clusters).
* Coordinate with Datacenter for the complete setup of Veritas Clusters and with SAN team for Shared / SRDF disk configuration for Clusters.
* Knowledge in MQ services and installation of Java / J2EE packages as & when required by the APP team.
* Manage complex AIX/ Linux/VMware environments running latest technologies.
* Good understanding of performance monitoring tools like topas, vmstat, iOS tat, sar, netstat on AIX.
* Installing iFix as and when released by the CATE engineering team to fix the vulnerabilities on the AIX Platform.
* Upgrade SAN stack packages (EMC Power Path) on UNIX machines and MPXIO in Solaris.
* Involved in Simple projects and start/stop httpd services in Linux servers using Ansible.
* Written simple playbooks and worked on puppets manifests.
* Installed Chef package and knowledge in cookbooks and recipe.

**Corelogic, Dallas, TX Oct 2015 – July 2016**

**Sr. Unix/Linux/VMware Administrator**

* Installation, configuration and upgrade of RHEL 5.x, 6.x, IBM AIX 7.1, HP UX, VMware 4.x,5.0,5.1,5.5, windows 2008 R2, 2012 operating systems.
* Configured and installed RedHat Linux Servers using jumpstart, Ignite and kickstart.
* Installation and configuration of Veritas Volume Manager (VXVM), Veritas file system (VFS).
* Performed configuration and troubleshooting of services like NFS, NIS, NIS+, DHCP, FTP, LDAP, Web servers, Samba server, Apache server.
* Built high-end servers, creating and loading images on Linux servers.
* Patch and Package administration for installation of patches as per company policy and installation of packaged application.
* Installed, configured and maintained RedHat Cluster Suite (RHCS), Veritas Cluster Server (VCS) and HP Service Guard in multimode active/active and active/passive configuration. Added and maintained service group/packages. Added/removed node to/from existing cluster set.
* Performed package and patching management and debugging in all flavors of Unix& Linux Troubleshooting and analysis of hardware and failures for various Unix/ (Core dump and log file analysis).
* Implementation of RAID techniques and creation disk groups and volumes, using Veritas Volume Manager. Managing disks and file system using Veritas Volume Manager (VxVM).
* Used configuration management tool puppet to automate server configuration.
* Installed, configured and managed Oracle Real Application Cluster (RAC) in Linux, Solaris and HP-UX servers.
* Setup and Configuration of Puppet, Chef Configuration Management.
* Expertise in Global File System (GFS), Creating, configuring and managing clusters in RedHat Linux Servers using GFS.
* Worked with security patches on production servers.
* RPM package administration using RPM Build.
* Worked with automation using ansible on production servers.
* Configured and managed RedHat satellite Network server, performing package management tasks and errata updates.
* Administrated server consolidation program through use of VMware ESX server and VMware Virtual Center, using Virtual Center, ESX, creating VMs, using/building VM templates and customization files, and scheduling tasks.
* Installed VMware ESX server 5.0/5.1 and created virtual machines on ESX Servers.
* Configuring HA/DRS related advanced configuration settings per VMware Best practices.
* Configuring VMFS based storage in virtual center.
* Installation and Configuration vCenter HeartBeat for vCenter failover and FailBack Purpose.
* Involved in operational support of Active Directory, WINS, DNS, and AD enabled applications.
* Experience in configuring and setting up HP ILO for physical HP servers.
* Upgraded 150+ ESX hosts from ESX 4.0 to ESX 5.0 and 5.1 using VMware Update Manager tool.
* Installing vSphere 5.0/5.1 on half blade and full blade servers on Cisco UCS.
* Create Snapshot and test Rollback, configure VMotion, Cluster and Failover.
* Participated in development and maintenance of Disaster Recovery & Backup.
* Resource Management- Configuring VMware HA, VMware DRS Clusters for VMotion- migrations between ESX Servers.
* Updated the Patches for ESX Servers using VMware Update Manager in Virtual Center.

**United Airlines, Houston, TX May 2015 – Oct 2015**

**Sr. Linux /UNIX/VMware System Administrator**

* Installation, configuration and upgrade of RedHat Linux 3/4/5, AIX 5.3, VMware 4/5 operating systems.
* Configured and installed RedHat Linux Servers using jumpstart, Ignite, and Kickstart.
* Extensive use of Logical Volume Manager (LVM), creating Volume Groups, Logical volumes and disk mirroring in HP-UX, AIX and Linux.
* Worked on installing and configuring VMware/ESX Servers for virtualizations.
* Configured Linux Bonding. Worked on Storage multipathing.
* Responsible for writing, maintaining and documenting UNIX scripts to support smooth running of applications on the production servers.
* Supported Oracle RAC (Real Application Cluster) Servers running on Linux with GFS
* Create automated Jumpstart environment for Linux standard builds for WEB, APP and DB servers.
* Package management using RPM, YUM and UP2DATE in Red Hat Linux.
* Developed technical documents like handbooks, document installation configurations, and proposed resolutions for support processes.
* Provide technical assistance to the application development area and co-workers about system analysis, design and programming.
* Worked on HP Open View Service Desk (OVSD) tickets.
* Raised tickets for any issues discovered during validation.
* Communicate with the user community and co-workers to assess needs, resolve problems, and provide technical assistance where necessary relating to UNIX administration functions, and software running on UNIX platforms such as Apache, WebSphere and Oracle9iAS and COTS third party software.
* Assist in the creation of policies and procedures that will be sent through a formal clearance process.
* Working on updating / upgrading ESX servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades.
* Provide Server administration and technical support for Windows 2008 R2 and 2012 Servers like Guest operating system issues, Disk expansion, adding CPU, increasing VM Memory etc.

**Boeing, Cincinnati, OH Aug 2013 – May 2015**

**System Administrator (Linux, VMware, Windows)**

**Responsibilities:**

* Extensively worked on server build, Configuration and Administration of Sun/HP/Dell servers from scratch with OS Linux (Red Hat, HP UX & SuSE)
* Performed configuration, monitoring, support, tactical planning of rollouts, migrations, and day-to-day management of the HP server infrastructure.
* Automated server building using System Imager, Kickstart and Jumpstart on Sun and Ignite on HP servers.
* Configuring and troubleshooting SAMBA SERVER IN Linux.
* Monitoring Server performance and troubleshooting server related problems.
* Worked with database administration staff to ensure optimal performance of databases, and maintain development applications, databases, and ensure database backup completed successfully.
* Installing operating system patches, packages, system customization and documentation
* Implemented Red Hat Cluster Suite with GFS and RHN Satellite Server in the Development and Production environments Configured and implemented NIS, DNS master Slave servers along with required clients.
* Building, Installing and configuring Veritas Cluster Server and HP MC service Guard.
* Associated with DBAs for installation of Oracle database (RAC) on Linux servers & for tuning, backup and restore.
* Experience with EMC Storage on Solaris and Linux servers (i.e., familiar with Navisphere, Access Logix, Host Agent, Power Path, Snapshot and Cloning, SAN Copy
* Setup and maintain Logical Volume Manager (LVM), Created Physical volumes, Volume groups, Logical volumes and Mirrored root Disk.
* Installed, configured and maintaining services Apache, Web servers.
* Configured ESX 5.x, 4.x with SAN Attached storage (LUN Assignments, Data stores)
* Utilized VMware Converter for Physical to Virtual/Virtual to Virtual conversion/Physical to Physical
* conversion.
* Address Production issues related to windows and VMware environment like Guest operating system, Disk expansion, adding CPU, increasing VM Memory.
* Creating Virtual Machines, updating VMware tools, VMware Hardware, Virtual disk and memory expansion