**Ahsan Jaffery**

**Sr. Linux/ Devops Engineer**

**Ph.No.** **+1 331-202-1242**

[**Email: ahsanjaffery0730@gmail.com**](mailto:Email:%20%20ahsanjaffery0730@gmail.com)

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**WORK SUMMARY**

* Over 8+ years of experience and extensive knowledge in Linux Engineering/Administration under heterogeneous environments consisting of Red Hat Linux versions 5.x, 6.x, 7.x, KVM, CentOS Linux versions 5.x & 6.x, Suse Linux, HP UX, Windows 2003/2008 R2/2012, VMWare 4.x, 5.x,6.x.
* Extensive experience in installation, configuration, maintenance, Administration, implementation, and support on Linux, DevOps Environment.
* Experience working with DNS/DHCP/LDAP/NFS/NIS/NIS+, BIND, Send mail SNMP, TFTP, Iptables services.
* Proficient in building and managing configuration management frameworks such as Ansible
* Expertise in implementation and maintenance of Apache Httpd, SMTP, DHCP, NFS, NIS, NIS+, LDAP, DNS, SAMBA, SQUID, Postfix, send mail, FTP, Remote Access, Security Management & Security trouble shooting skills. Experience Working with Bash Scripts, Perl Scripts Python.
* Experience providing system administration support for enterprise business applications including financial, engineering, web applications. These include Oracle, DB2, SAP, People soft, Web logic, Web sphere, and Apache.
* Deploy, manage, and troubleshoot VMware VSphere 4.x,5.x,6.x VMware View, VMware vCloud Director, VMware SRM.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Extensive knowledge in advance features of ESX VMotion, storage vMotion, HA, FT, DRS and P2V MIGRATION using VMware Converter.
* Creating and configuring Load Balancers and Updating SSL certificates for load balancers. Experience P2V, V2V datacenter migrations using VMware standalone converter. Experience with different hardware such as HP, Cisco UCS, DELL, EMC, Netapp, Cisco Switches.
* Experience in working on Heavy Operations based environment and delivering 24/7 support as required by the client. Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Experience in creating VMware Command Line scripts to manage clusters and perform various tasks such as VMotion. Worked on multiple ticketing tools like HP Service Manager, BMC Remedy and SM9.Support experience with DNS in a corporate environment under Unix / Linux
* Proficient with Tools that are used for Automating and Auto Scaling Multi Tennent environments in a CI/CD Pipeline within DevOps culture.
* Worked in infrastructure team on installation, configuration, and administration of CentOS 5.x/6.x/7, RHEL 5.x/6.x/7, Windows Server 2008-R2/2012-R2 and SUSE Linux 10.x/11. Skilled with WebSphere, Tomcat and Apache Web & Application Servers.
* Experience in System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX Red Hat Linux Systems.
* Experienced with Apache http, Tomcat, and LVM on Linux. Installation of kernel level patches and software packages on Linux and AIX.
* Installing, configuring, and maintaining Apache, Samba, Web logic and Web sphere application servers and Oracle, SQL and Sybase database technologies. Implemented automated server provisioning using Ansible
* Knowledge on cloud computing software platform like Open stack. Profound experience providing Web application support.
* Proficient in UNIX shell programming, patches installation and trouble shoot the cause of failure and monitoring of logs on UNIX systems.
* Administration on Volume Management: Linux LVM, SVM. Installation Configuration & Administration of VERITAS Volume Manager, VERITAS Cluster Server 5.0, VxFS. Managed Red Hat Linux Satellite Server. Administration on clusters: Veritas Cluster VCS and Linux cluster
* Experience in PERL, Shell, and PYTHON Scripting, PowerShell, PowerCLI. Extensive experience in Advance installation techniques like Kickstart/Jumpstart Experience in installing and configuring Redhat Linux servers using kickstart and pxeboot.
* Installed, Configured, Managed Monitoring Tools such as Splunk, Nagios, iCinga for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Extensively worked on Jenkins/Hudson by installing, configuring, and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments.
* Worked with Ansible playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment. Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps.
* Day to day job included but not limited to handling Tickets, Monitoring, Troubleshooting and maintenance & On-Call Pager Duty/Support
* Experience using MAVEN and ANT as build tools for the building of deployable artifacts through Jenkins (jar, war & ear) from source code.
* Experience in SUDO administration, creation of Volume groups, logical volumes, file systems, troubleshooting file system mounting problems, Implementing RAID levels, user account management and SSH Implementation
* Experienced in IT industry working as a proactive Oracle DB. Strong administration and troubleshooting skills in Linux environment.
* Experienced in Linux networking configuration and troubleshooting. Experienced in installation, configuration, and maintenance of Linux Machines.
* Experienced in creation and managing user, accounts, security rights disk space and process monitoring in Red Hat Linux.
* Experience working in a Cloud based environment including Amazon Web services(AWS). Design, investigation, and implementation of public facing websites on Amazon Web Services (AWS). Creating and maintaining user accounts, profiles, security, SOC, disk space, and process monitoring
* Patching different software using Redhat package manager and YUM and installed certain RPM packages.
* Installation and configuration of web hosting administration such as FTP, SSH, Telnet, and HTTP
* Performing Linux OS Installation, migration, up-gradation and maintenance, from Operating System implementation to application & database implementation, take centralized backups & restore them, applying APAR fixes, patches and service packs and Linux RPM patches.
* Experience in Cloud and power Virtualization. Experience with version control tools such as GIT, Subversion, TFS
* Implemented CI/CD automation process using various tools like Jenkins and Puppet to ensure shortened deployment cycles
* Proven Ability with Containerization tools such as Docker, Kubernetes. Experienced and knowledge in packet management installation, updating, and remove different packages using RPM and YUM.
* Extensively worked with VMware ESXi 5.1/5.5/6.0, vCenter Server, Host Clustering with HA, DRS, Replication Manager 5.x/6.0, Site Recovery Manager, vMotion, Physical to Virtual Migration and Managing SAN Datastores with, iSCSI, NFS & FC.
* Configuration & Management of AWS (Amazon Web Services) like VPC, EC2, S3 Buckets, Route53 DNS, RDS, EBS, ELB etc.
* Worked with Chef Enterprise Hosted as well as On-Premises, Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Managed On-site OS/ Applications/Services/Packages using Chef as well as AWS for EC2/S3/Route53 & ELB
* Experienced in configuration of NFS, DNS, TCP WRAPPER, HTTP, FTP remote access management and security troubleshooting skills. Experienced in Web servers such as Apache Server, Tomcat, WebLogic, and VMware. Experienced in scheduling jobs and administrative task using cron.
* Experienced using RMAN for backups and testing disaster recovery scenarios.
* Skilled in Database planning, installation, configuration, migration/upgrade, and performance turning of Oracle 10g, 11g and 12C databases on various platforms. Extensive experience with logging and monitoring tools like Nagios, ELK Stack, Zabbix, New Relic
* Strong experience in deploying the applications in Web Servers like Apache Tomcat, JBOSS, Node.js, and WebLogic
* Experience of database administration with MySQL, Cassandra, DynamoDB, MongoDB
* Proficiency in scripting languages like Perl, Ruby, Python, and PowerShell
* Experience working with AWS provided Solutions like EC2, ELB, VPC, Route 53, RDS, S3, IAM, and Cloud Watch
* Have knowledge on Installation and configuration of File server, Print Server, Application server, Mail Server, Remote server, DHCP & DNS.
* Knowledge about Microsoft Azure in creating cloud environment and managing the application servers across Microsoft managed global data centers. Expertise in configuration and managing Linux Virtual Machines under VMware.
* Experience in configuring and recovery procedures for Master and Client Backup Servers Using Veritas Net Backup.
* Expert in Red Hat Linux V 5, 6, 7 and most recently 8 of heavy experience in install / rebuild servers. Understanding the business requirements, capacity planning, Vendor management, team co-ordination, business migration. Patching and Packages rollouts.
* 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. Integrated Jenkins with various DevOps tools such as Nexus, SonarQube, etc.
* Experience in System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX Red Hat Linux Systems.
* Worked on configuring the Linux machines through Kickstart (Red Hat Linux) program for Host and Network based Installations. Extensively written bash script for various tasks automation. Having good knowledge on F5 Load balancing.
* Good Understanding and implementation experience of CI/CD pipelines using Jenkins, automation programmatically by creating Jenkins jobs and pipelines and solving various problems with and Gradle as plugins
* Implemented and organized a rollout project which involves upgrade of servers using Red Hat Satellite Server.
* Experienced in Python and Shell scripting to automate the provisioning and deployment. Implemented continuous integration using UDeploy. Good experience on DevOps tools
* Configured Networks using DNS, NIS, NFS, FTP and DHCP, troubleshooting network problems such as Sub netting, Routing, Firewall related on TCP/IP providing support for users in solving their problems.
* Day to day job included but not limited to handling Tickets, Monitoring, Troubleshooting and maintenance.
* Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps.  Worked on deployment to Datacenters, AWS, and Azure platforms. Experience in handling VERITAS Cluster Server (VCS) during Fault Tolerance.
* Experience in UNIX with Perl, Python, and Ruby and Bash shell scripts.
* Developed tools to automate manual tasks using shell scripting, Python and integrated them in CI/CD pipeline through Jenkins.
* Worked with Ansible playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment. Experienced in shell scripting using ksh, bash, perl, Ruby and python to automate system administration jobs.
* Ability in execution of XML, BASH, Shell Scripts, Perl Scripts, Ruby scripts, Python Scripts and JAVA Scripts.

**EDUCATION**

Bachelors in Finance, DePaul University, Chicago - IL, 2008

**TECHNICAL SKILLS:**

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| **Technology Expertise** | Linux Admin, Shell Scripting, JAVA / JSP / Servlet |
| **Application Servers** | Weblogic 11g (10.3.6), JBOSS 3.2.7, JBOSS 4.0GA, JBOSS 6.3.0GA |
| **Operating System** | RHEL 4.x, 5.x & 6.x,7.x, CentOS ver 5.x & 6.x, FreeBSD 8.0, SUSE 10/11 Ubuntu 8.04, 9.04, 9.10, 10.04 LTS, 12.04 LTS, 13.10, 14.04 LTS |
| **Servers Experience** | DHCP Server, SAMBA, DNS (Bind 9), MySQL, PosgreSQL 8.0, NFS |
| **Web Servers** | Tomcat 4.1/ 5.5, Apache Web Server 2.4 / 2.3 / 2.0 / 1.2, WebSphere MQ, WebSphere. |
| **Middleware** | JBoss 4.0, JBOSS 6.3.0 GA |
| **Databases** | Oracle, MySQL SQL SERVER 2005/2012 |
| **Platforms** | Redhat Linux, IBM-AIX, FreeBSD, Windows XP/2000/2008/2012/NT/95/98 |
| **Version Control** | SVN, CVS, Maven, Jenkins |
| **Clouding** | Own Cloud, OpenStack, AWS. Azure |
| **Scripting** | Python, UNIX Shell, Perl, PHP |
| **J2EE Technologies** | JSP, Servlet, JDBC |
| **IDE** | Eclipse, Netbeans 6.8, Netbeans 7.3 |
| **Automation /Configuration** | Ansible, Cronjob, Shell script base automation |
| **Monitoring Tool** | EM7, HPOV, Nagios XI, solarwinds |

**WORK EXPERIENCE**

**Grinnell Mutual, Grinnell, Iowa**

**Sr. Linux/ Devops Engineer**

**April 2020 to Present**

* Experience working on Docker hub, creating docker images and handling multiple images primarily for middleware installations and domain configurations. Installed and configured Jenkins for Automating Deployments and providing a complete automation solution.
* Building, Configuring & Maintaining Virtual Machines and Installed VMware Tools, Templates, Cloning, and Deployed Virtual machines on VMware ESX hosts and OVM servers. Installed, Managed and Configured SCOM monitoring tools
* Performed physical server builds on Super micro, HP hardware DL380, DL580, BL460C and BL 680C blades.
* Raid configuration on Physical hardware and software level.
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications. Performed data management using native Linux utilities for archiving and compression.
* Extensively involved in troubleshooting bottlenecks of Memory, CPU, Devices, and network using ps, vmstat, iostat, netstat, sar, snoop, nfsstat and sar commands, tuning the performance. Package management using RPM, YUM and UP2DATE in Red Hat Linux.
* Associated with DBAs for installation of Oracle database on Linux servers & for tuning, backup and restore. Scheduling the jobs by creating Crontabs on Linux. Perform operational tasks and activities e.g., monitoring log files, performance tuning and migration between environments.
* Monitor the performance and availability of key middleware components in production and test environments.
* Configured the systems for TCP/IP Networking with the existing LAN, Setting up SSH and SCP.
* Troubleshooting and configuration of Local and Network based printers. User, Group Administration and Advanced File Permissions. Maintain security for the networked environment while allowing users to access all data.
* Extensive experience in installing, configuring, and maintaining Application Servers - Web Servers Experience in VMware.
* Worked on project for migration from HP-UX to Redhat, migrated OS, application, storage.
* Automate daily manual tasks by running cron jobs using BASH Scripts on Linux-based servers
* Installed, Managed, and Configured Nagios for monitoring the log files, Network Monitoring, log trace monitoring and the hard drives status
* Administered user accounts. Troubleshooting user logins using various remote login utilities. Proficient in troubleshooting system problems.
* Experience in building Red Hat Network Satellite Server for automated installation of Linux boxes and creating image of Linux system with system Imager that automates Linux installs. Worked on Red hat satellite 6, updating/applying patches to the servers using Redhat Satellite server.
* Configured and successfully Deployed EC2 instances with private and public subnet for Applications with Linux OS in AWS Environment.
* Set up user account in Linux operating system. Configure S3 Storages for backups of server and hosting website
* Setup and Control Identity Access Management (IAM) for Linux Environment in AWS.
* Established Continuous Integration (CI) practices and standards with JIRA, Jenkins, and Continuous Delivery (CD)
* Author Cookbooks providing automated infrastructure (VPC, Network, Firewall, Load-Balancer, DNS) deployments internally to Docker and externally to AWS. Created Security Groups, configured Inbound/Outbound rules, created, and imported Key Pairs
* Created Docker file for each micro-service and change Tomcat configuration files to deploy Java based applications to the Docker Container
* Automated creating projects in Jenkins and Nexus repository as release process
* Managed the Subversion branching strategy for few applications by creating Release branches, and Development branches thus ensuring the integrity of trunk. Migrated and managed large production systems on Amazon AWS. Installation, Configuration, Maintenance and Administration of Linux 6.x,
* Experience in monitoring and troubleshooting (Network issues, Server performance issues, Kernel Tuning parameters, and CPU/Memory/IO issues)
* Disk subsystem configuration, File systems and logical volume planning and configuration, using LVM.
* Monthly security patching including TL/SP update, OS upgrade on Solaris and regular patching on RHEL.
* Managing Amazon Web Services like EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM through AWS Console and API Integration with Puppet Code. Recipes and Cookbooks and uploading them to Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of Openstack Nodes and Test Playbooks on AWS instances using Python.
* Administered Jenkins for managing weekly Build, Test and Deploy chain as a CI/CD process, SVN/GIT with Devel/Test/Prod Branching Model for weekly releases. Create templates for users, application servers for faster VM deployments
* Hands on experience in updating / upgrading ESX servers, Virtual Center servers and windows virtual machines using VMware Update manager
* Configured VMware HA, VMware DRS, FT in acquiring higher efficiency for VMware Infrastructure
* Create thin provisioned VMs as per client application requirements and expanding Hard Disk sizes as requested.
* ThinApp Packages, Applications Upgrades and deployment testing and Production Implementation. P2V and V2V conversions by using VMware Converter
* Scanning the newly assigned LUNs to the serves and assigning them to volume group and increasing the file system using Red Hat volume manager.
* Worked on configuring and maintaining Virtualization infrastructure on VMware ESXi and Virtual center deployment.
* Datacenter migration for Linux based servers, using rsync. Managing CRON jobs, batch processing and job scheduling.
* TCP/IP Configuration like assigning IP addresses, configuring network interfaces, assigning static routes, host names etc.
* Worked on Provisioning, Configuration & Maintenance Linux infrastructure through Redhat Satellite.
* Configuration and Maintenance of NFS, DNS, NIS, SMTP, CUPS. Worked on creating, extending, reducing all kind of File Systems on Linux servers.
* Experience in monthly Patching event for Production and Non-Prod Linux severs through Redhat satellite, monthly patches channels, creating child channels and base channels. Worked on monitoring and configuring NFS servers and NFS clients on Linux servers.
* Worked on Ansible to automate the server build process, configuration management, writing playbooks and pushing changes on Linux servers using Ansible. Managed Ansible Playbooks with Ansible roles. Created inventory in Ansible for automating the continuous deployment.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Build and configured Custom VPC for private and public subnets with NAT Gateway and NAT Instance for Internet accessibility of hosts.
* Write the scripts for adding users and for pushing changes into files of multiple groups of hosts with shell scripting.
* Work with development teams and business areas to plan future capacity requirements and hold regular meetings to review usage as well as create, revise, and report any new measurements required to manage mainframe or distributed environments.
* Provide drill down reporting for application teams to use in monitoring their application resource usage/ performance.
* Promote involvement of application development teams to make recommended changes that improve program performance.
* Ensure impact of software releases to system performance and resource utilization of distributed and mainframe platforms are acceptable during load testing.
* Doing capacity Assessment for new requests of servers i.e., calculating CPU and Memory for new servers according to the current/future Applications running on the system.

**GE Healthcare, Chicago, Illinois**

**System Admin -VMware**

**August 2018 to March 2020**

* Experience in Implementation Apache, Tomcat 5.5 for the Java Servlet and Java Server Pages technologies.
* Administered the UNIX System for clustered HP Servers with fiber attached SAN storage.
* Deployed and maintained VMware ESXi 5.1, 5.5 and 6.0 host servers. Configured HBAs, iSCSI SAN storage.
* Familiar with backup and restore of VMware host server configuration, Virtual Machine backup, snapshot, P2V-V2V conversation with VMware converter 4/5 and with other third-party converters, Patch updating, monitoring/reporting, SSH and SNMP and notification of alerts.
* Installed ESX and ESXi Virtualization servers on HP and Dell hardware.
* Worked with Cisco UCS server blades with VMware ESX deployments on Cisco UCS.
* Configured HA, DRS clusters and capacity planning for new clusters, configuring FT for important VM's.
* Worked on ESX and VM virtualization storage issues and coordinated with the storage admin team.
* Performed P2V Hot conversions using vCenter Converter Standalone 5 and the P2V cold conversion using VMware Converter Boot CD.
* Worked with DNS, DHCP, TCP/IP. Installed and administered Group Policy Objects (GPOs), MS Hyper-V, DNS, DHCP, IIS, LDAP.
* Worked on Disaster Recovery Exercises for DR Plan for Production Servers.
* Involved in creating VSS and VDS vSwitches and created different ports groups for different purposes.
* Installed and configured Citrix Xen Server and Windows 2008, 2012 R2, Hyper-V R2 test clusters on Dell Hardware with iSCSI storage.
* Installed and implemented Manage Engine monitoring application using SolarWinds and configured SNMP and WMI on Servers and other network devices for reporting and alerts notifications. Deployed LDAP for centralized authentication. Worked on testing and validation of tasks.
* Installed patches using Scripts on Pre-Production and Production and virtual servers.
* Configured Kickstart Servers and booting the images using PXE in Red Hat Linux.
* Responsible for Tracking Remedy tickets and meet the SLA's. Installed packages, patches, and SSL certificates on all web servers.
* SWAP box configuration, Implementation of disaster backup and recovery.
* Experience in installation and configuration of Web Apache, JBoss, and I Planet, BEA WebLogic, WebSphere, LDAP.
* Responsible for Installation, configuration, Maintenance, Deployments, Monitoring, performance tuning, JVM Load/Stress Testing of WebSphere App Server 6.1 on Linux servers.
* Resolve technical issues through diligent research, reproduction, and troubleshooting.
* Creating Virtual Machine Profiles in Vcenters Server, allocating storage and installing Redhat Linux using kickstart.
* Installation, Administration of WebSphere MQ, WebSphere on various platforms like AIX, Linux,
* Configured MQ Objects within the WebSphere Application Environment.
* Worked with SAN team on the provisioning of storage for the new build server and mounting the SAN (EMC, Netapp) and NFS storage to the file systems with right permissions. Used VERITAS Volume Manager for Disk Space management.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, My-SQL database, and firewalls in both development and production. Troubleshooting any and all problems with performance, upgrades and file transfers.
* Integrating UNIX file systems using packages like SAMBA.
* Maintained user account management, configured servers to register with Red Hat Network (RHN) Satellite Server, monitored servers – workload assessment, service console monitoring. Acquiring & Initializing LUNs in clustered & standalone environments.
* Written Shell and Perl Scripting for automation of jobs and Performing O/S and kernel upgrades on Linux servers.
* Oracle RAC, NDM, WebSphere, VERITAS NetBackup, EMC Networker and I Planet installation and support on AIX and Linux servers. Familiarity with F5 Big IP LTM and Cisco ACE 4710 Load balancers.
* Responsible for applying latest patches, user administration, kernel tuning parameters, file system space monitoring on Solaris systems using SolarWinds, Nagios XI.
* Administered and Troubleshoot Solaris servers running business critical application & WebLogic applications.
* Installed and configured SAMBA server for windows and Linux connectivity. Design and installation of Linux Cluster- local and metro clusters.
* Migrations, Installing Deployment patches, Updates on several thousands of Production Servers.
* Installed and Tested VMware Site Recovery Manager- SRM for the disaster recovery and managed recovery plans, Worked with ITIL Standards and procedures. Responsible for helpdesk support using service now, Remedy, ITIL, ITSM ticketing system, inventory and system reporting.
* Participated in the migration planning, developing, testing and moving
* Maintain and manage VMware infrastructure to ensure stability and availability.
* Fine tune VMs configurations to get the best balance of performance, resource optimization and availability.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* Implement upgrade from Citrix Access Gateway to NetScaler Gateway.
* Managed HA clusters using RHCS, Apache redirector, NetScaler, Zookeeper, and MongoDB clustering
* Monitor and maintain the file/CPU system of the application servers to ensure the accessibility for end-users and the application functionality; work with infrastructure team to address application capacity needs.
* Redesign and Reimplemented DNS infrastructure to reduce complexity, improve performance, simplify administration, and facilitate deployment automation. Monitor, evaluate and administer to a host of network monitoring tools.
* Administration, Installation, Configuration, troubleshooting and Performance tuning of Linux distributions such as Red Hat Enterprise Linux, CentOS, KVM, SUSE Linux Enterprises, Windows Servers. Installation, configuration, and upgrades on Red Hat Linux 4.x, 5.x and 6.x,7.x.
* Responsible for upgrading Critical patches and development, pre-production and production environment systems as Linux distributor server.
* Strong experience in Python to automate daily activities task like logs file, disk spaces, patching etc.
* Strong experience to develop the automation tools to improve productivity for core business platform in Python and Perl.
* Real-time hands-on experience on SVN Adm (Master) server, dealing with checks in configuration and promote the change in Puppet server.
* Configuration and deployment of Unix-based servers with open source and commercial software. Troubleshoot server bugs and inconsistencies. Skills used: Linux, shell scripting, PowerShell, PowerCLI, Perl.
* Used bash, awk, sed and Perl to automate most of the daily activities like logs monitoring, log rotation, disk spaces, purging and error detections using SolarWinds, Nagios XI.

**Diamondback Energy, Midland, Texas**

**System Administrator (Linux/VMware)**

**January 2016 to July 2018**

* System Administrator/Integrator role in a large team responsible for maintaining of Linux operating systems such as SUSE 10/11.
* Install Nova Compute and Controller, deploy instances using the command line. Created security groups for both inbound and outbound traffic following the naming convention. Created Security groups specific to the infrastructure and included where appropriate as per the requirement.
* Installed, secured, and configured AWS cloud servers with Linux, Tomcat, MySQL, Apache, etc. Skilled with WebSphere, Tomcat and Apache Web & Application Servers Installed configured ORACLE RAC on RHEL 5.x, 6.x Servers.
* Installed, configured, and administered ESXi 5.1 on HP C7000/Dell power Edge/Cisco UCS Hardware.  
  Installed management server (v Center server) instances to enable centralized management of multiple hosts
* Linked different v Center server using linked mode to have a single instance a vSphere client to manage the whole virtual environment.
* Deployed Linux servers using VMware, building AIX servers using NIM servers, RHN Satellite setup/configuration/maintenance.
* Creating and managing virtual machines and templates, worked with clones and snapshots of virtual machines
* Firmware upgrade on Cisco UCS, HP, Dell along with creating the profiles on them.
* Creation & Troubleshooting of Virtual Network, ESXi hosts, VMotion issues & Virtual Machines.
* Configured VMware on clustered environment, implemented migration of virtual machines using vMotion, virtualized windows servers using VMware converter and plate spin convert. Hot and cold cloning of virtual machines using VMware converter
* Configured VMware HA, VMware DRS in acquiring higher efficiency of VMware infrastructure
* Defined the patch management process for the VMware environment to upgrade the hosts and VM's and successful completion of update manager installation in all the environments Creation of templates from VMs and deploying VMs from templates.
* Responsible for ensuring Systems & Network Security, SOC, maintaining performance & high availability of Servers, Network, Linux, CentOS, ubuntu, KVM, Databases & applications. Disk Management partitioning tools like format, file system management ext4, ufs, file system utilities.
* Automating system jobs through Crontab. Support NetScaler utilizing firewalls and content filtering devices.
* Experience in installing, configuring, supporting, and troubleshooting Unix/Linux Networking services and protocols like NIS, NIS+, LDAP, DNS, NFS, DHCP, NAS, FTP, SSH and SAMBA. Experience with vCloud, vcac, and AWS, Azure, exchange 2010, 2013, Office 365.
* Manage systems using remote consoles like ILO for HP and DRAC for Dell Hardware.
* Troubleshoot backup issues, perform manual backups & restore using NetBackup, EM C networker.
* Managed Disks and File systems using LVM on Linux, Kernel patching. Upgrading the ESXi hosts from ESX 4.0 to ESXi 5.5 and its firmware using Update manager and manually. Good knowledge on HP and CISCO hardware and their generations.
* VMware ESX server hardware setup in all sites with HA/DRS Clustering/VMotion.
* Worked with Lab Manager, vCenter, vSphere and vCloud Director. Implemented automated server provisioning using ansible
* Moving hosts from one Vcenters to another Vcenters by recreating the vDC and clusters, permissions and also manually recreate the permission sets.  Deployment of servers using PowerShell. Server Migrations: P2V/P2P/V2V using Plate spin/Double-take and VMware converter.
* Participated/coordinated in weekly Status meetings and reported on the project status, Incident reports and Change Management for the transition process. Migrated datacenters and converted physical servers to virtual servers using VMware Convertor.
* Co-ordinate with Data center team for connectivity issues in ESX/SAN and the hardware issues.
* Created and managed Standard and Distributed Switches (dvSwitch) in the vCenter servers for making use of best network design and stability across the vCenter servers. Involved in live migration of Virtual Machines and Virtual machines files using the VMotion and Storage VMotion.
* Experience in setup, configuration, upgrade, and maintenance, performance monitoring and troubleshooting on different platforms like Sun Solaris, Linux, HP-UX, and Windows. Support using service now, Remedy, ITIL, ITSM ticketing system, inventory, and system reporting.
* Responsible for designing High Availability Solutions for different applications. Deploying high available squid, LAMP server and MySQL database replication (Master and Slave Worked on patching of Linux system changes and upgrades.
* Linux system Administration, New build and configurations, OS Migration, Creation and Maintenance of Linux server and deploying security standards, SOC. Redhat Linux build & setup for bare metal and VMware. Installed, configured, and maintained RHEL 5.x/6.x, staging and test environments. Installed Patches/Packages and RPM packages on Linux Servers and Upgrading OS levels.
* Installed and configured VxVM, VxFS and VCS on various Servers. Creating and configuring VMware virtual machines and installing Redhat Linux using kickstat. Configured probe and link based IPMP, worked with disk multipathing for SAN storage, configured and performed backups uising veritas, emc networker. Worked on building Veritas Clusters from scratch and performed failover and High Availability tests.
* Installing, configuring and maintaining Jenkins on Linux servers. Installing, Configuring, and maintaining Puppet on Linux and Windows servers.
* Installed and configured all the Linux servers in the network per specifications of clients.
* Monitored the servers and Linux scripts regularly and performed troubleshooting steps – Tested and installed the latest software on server for end-users. Performed routine checks on the Linux servers of the firm. Troubleshooting network and Hardware issues on Linux servers.

**Unisys Corporation, Blue Bell, Pennsylvania**

**System Admin Linux/Unix**

**September 2013 to December 2015**

* Day to day duties for Unix/Linux server maintenance and support to developer's team for their issues with application, tuning, troubleshooting, software running on Unix/Linux Servers.  Worked with server profile/service profiles on CISCO UCS, HP Servers.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, My-SQL database, and firewalls in both development and production. Installation and configuration of Solaris, Linux for new build environment.
* Skilled with WebSphere, Tomcat and Apache Web & Application Servers Adding Disks and creating Slices and File System Administration.
* Handling Projects and providing performance and capacity analysis reports and recommendations to customer requirements.
* Cloning, Building and deploying new VM's and installing different guest OS like Windows server 2003/2008/2012 and Linux. Creating virtual NIC's for the respective VM's and assigning the network connections to a particular port group in the VSwitches.
* Implement External Access Gateway using Two-factor Authentication (NetScaler) Configuring Active directory credentials to work with Samba on server. Played role as VMware/windows admin to provide Level 1 &2 supports in complex environment.
* Leveraged VMware infrastructure implementation and consolidation expertise to implement P2V migrations, blade server capacity planning, high availability and failover settings on newly installed blade servers and existing rack mount servers.   
  Designed, installed, configured of VMware site recovery manger. Monthly and Quarterly Health check reports with performance analysis
* Handling Ad-hoc requests from the customer by providing the reports with Performance and capacity analysis with recommendations.
* Configured Management and Resource Cluster, Add Host to a Cluster, Configure its licenses, Network Configuration, DNS and NTP. Worked with service now, remedy. Administration of environment running ESX/ESXi Hosts and Virtual Machines.
* Manage Virtual Machines, Installing VMware Tools, Creating Templates, Cloning, and Deploy Virtual Machines using Templates, Converting Physical to Virtual Machines (P2V). Manage user permissions in vCenter Server. Manage VMware Distributed Resource Scheduler (DRS), vMotion and High Availability (HA) Clusters. Using logical volume tools to create local filesystem e.g. lvcreate, pvcreate.
* Develop Linux shell scripts to accomplish redundant tasks to simplify in distributed administration.
* Worked on Security/Authorizations Created users with limited and full root privileges. Create and manage sudoers.
* Perform patching and support around the clock for critical systems and applications
* OpenStack, Nessus scanner, Wireshark client, nmap, bind, samba, Open DAP, Kerberos, VCloud, Hadoop. Ansible / tower architecture design for cloud base services. Create and Clone Linux, Window Virtual Machines using VMware Virtual Client ESX and ESXi. Updating YUM Repository and Redhat Package Manager RPM Configure password less login between Linux servers. Install, configure, upgrade Linux operating systems and kernels.
* Building servers using vSphere VMware (either by attaching specified images to the datastore or using configured preexisting templates. Configuration of virtual machine network cards per associated VLan environments
* Worked closely with Storage and Networking teams to manage the allocated SAN, Fiber and Networking Infrastructure.
* Update the Patches for ESX Servers using VMware Update Manager in Virtual Center.
* Monitor capacity, performance and utilization across all Windows Server and its Hardware.