**SUMMARY**

* About**6 years** of experience in **Installation, Configuration, Management** of Linux OS (**RHEL, CentOS, Ubuntu**), **Amazon Web Services** in an Agile environment and 3+ Years of engineering the automation of OS in a **DevOps environments** such as (**DEV, TEST, STAGE & PROD**) completely **automated**.
* Experience on **Red Hat 5/6/7**implementation Administration, Installation & Migration using automaton process like **Puppet** and **Ansible**.
* Experienced with **AWS EC2, Route53 DNS, ELB, EBS, AMI, VPC, Cloud Formation Templates, Cloud Watch Monitoring** and used **Chef with OHAI Orchestration** to leverage and manage AWS Instances.
* Worked on the backup, design, development, and support creation of all file system layouts, database environments, referential integrity relationships/constraints and security environment roles.
* Experience in working on source control tools like **Tortoise SVN, CVS, Perforce, and GIT** and knowledge on source controller concepts like **Branches, Merges and Tags.**
* 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.
* Experience at **DevOps Engineering** in **automating, building, deploying**, and **releasing** of code from one environment to other environment**.**
* Installation and support of **Red Hat Enterprise Linux** using **Satellite** server (**Kickstart**)
* Worked with **Ansible playbooks** for virtual and physical instance provisioning, configuration management,patching and software deployment.
* Implementation and troubleshooting of Logical Volume manager in **RHEL/CentOS** servers
* Performing **Kickstart** to build out Linux environments to automate **Linux installations** with Kickstart to avoid manual intervention.
* Experience in **Package Management** using Red Hat**RPM/YUM** and **Red Hat Satellite server**.
* Extensive knowledge on **Vsphere/Vcenter/Vmotion** operations in **VMware** and **Hyper-v**environment’s.
* Experience on **load balancing.**MTA applications **QMAIL, POSTFIX**. ,administration of High Availability clusters using RHCS, Multipath, Ethernet bonding and GFS cluster file system.
* **LPM** administration and performing the operational acceptance test in between the managed system to avoid any point of failures.
* Exposure of Storage migration of **GPFS** clusters without any downtime or any existing data loss
* Administration, installations, upgrades, migrations, integrations, support, health checks, backups and custom configurations (JIRA cloud/standalone, Bugzilla, SVN, GIT, Bamboo, Fisheye, Tracetc)
* Extensive Knowledge of **Puppet Community and Enterprise, Installed Puppet using Apache/Passenger. Created/Managed Custom & Pre-Developed Modules/Manifests**.
* Worked on **DevOps** tools like Jenkins,Maven for Build Management and puppet, chef and Ansible for Configuration Management **SVN/GIT for Version Control** and Nagios, splunk for Monitoring and Log Management.
* OpenStack cluster administration, troubleshooting, and instance/volume deployment.
* Implimented 3 Node OpenStack ICEHOUSE Architecture with, Nova, Neutron, Glance, Cinder, Keystone, Swift, Heat and Ceilometer Services.
* Deployed **Docker** Engines in Virtualized Platforms for containerization of multiple apps
* Installation & Configuring **VCS clusters** with multiple nodes administration of **VCS Clusters**
* Experience in handling the **HP service guard cluster**, Configuration, Storage migration and managing the packages
* Installation, Configuration & administration of **Red Hat Cluster** and managing with the Conga
* Configuring **SEA** in dual VIO environment for providing continuous availability communication to **the LPAR’s**
* Sharing physical FC adapters to different LPAR’s through VIO server using NPIV and to ensure the LUNs are allocated successfully on the client LPAR’s.
* Configured software (Core/Patching) on Puppet and Chef enterprise which validated on DevOps test environment.
* **Capacity planning**& Performance Analysis, Uptime & Response time analysis.
* Hands on experience in performing routing administrative changes using **CSPOC** in a HACMP environment.
* Worked on **Jira** and **HPSM** ticketing tool for creating, managing and resolving issues and permission schemes.
* Experienced in configuring and supporting Logical Partitions/Micro Partitions **(LPAR/DLPAR**)
* Managing **DNS, LDAP, FTP**, **Tomcat**&**Apache web servers** on **Linux** servers.
* Expertise in implementation and maintenance of **ApacheSMTP, DHCP, NFS, NIS, NIS+, LDAP, DNS, SAMB**A, SQUID, Postfix, Send mail, FTP, Remote Access, Security Management & Security trouble shooting skills.
* Experienced with the installation, configuration of volume management using **VERITAS Volume Manager 5.1/6.0** and Solstice Disk Suite on Solaris and experienced in **RAID** configurations.
* Day to day administration of the Development environment and Production and Test environment systems. 24x7 **on-call** support
* Strong appetite for learning new technologies with positive attitude.

**TECHNICAL SKILLS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***DevOps Tools*** | ***Cloud Platform*** | ***Operating Systems*** | ***Networking*** | ***Languages*** | ***Database*** | ***Web/App Tools*** | ***Other Skills*** |
| Ansible | AWS | AIX 5/6/7 | TCP/IP | Shell | My-Sql | Apache | GIT |
| Puppet | Microsoft Azure | Solaris 9/10/11 | DNS | Bash | No-Sql | Websphere Application server | Subversion |
| Chef | Rackspace | Linux 6/7 | DHCP | Perl | Mongo DB | Tomcat | Jira |
| Jenkins | Openstack | CentOS 6/7 | LDAP | Ruby | Cassandra | JBoss | HPSM |
| Maven |  | HP-UX 11 | HTTP | Python | Hostcrest | IIS | Rally |
| Ant |  |  | SSH | Yaml | Ms-Sql | HIS | Jabber/Slack |
| Bamboo |  |  |  |  | PostgreSQL |  | Nagios |

**EDUCATION**

* Bachelor inScience.

**PROFESSIONAL EXPERIENCE**

**Intel, Portland, OR Mar’ 14 – Till Date**

**Linux/DevOps Administrator**

**Responsibilities:**

* Installed, Deployed **Red Hat Enterprise Linux** 6.x/7.x, CentOS and installation of packages and patches for Red Hat Linux Servers.
* Migrated services from a managed hosting environment to **AWS** including: service design, network layout, data migration, automation, monitoring, deployments and cutover, documentation, overall plan, cost analysis, and timeline.
* Involved in troubleshooting of **Red Hat Linux server** issues and hardware issues and replacements.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as **Ansible, Puppet,** or custom-built .designing cloud-hosted solutions, specific AWS product suite experience to create AWS**VPC** (Virtual Private Cloud).
* Managed Playbooks and .YAML for Resource Declaration, virtual and physical instance provisioning with **Ansible** and Python for Automated Agentless Configuration Management, patching and software development.
* Installed **Chef-Server Enterprise** On-Premise/WorkStation/ Bootstrapped the Nodes using Knife. Wrote Cookbooks and Recipes and uploaded them to chef-server Application/packages/services.
* Implimented Migration from **VMWARE to AWS using VMDK Import tools** and Managed Services like **EC2, S3 Bucket, Route53, ELB, EBS Auto-Scaling, AMI, IAMwith Opscode Chef Cookbooks/Recipes.**
* Configured Hiera with Puppet to look up data from puppet code and separating configuration data from the code.
* Performed proof of concept in Docker for Deploying Images of Middle Ware Stack as Containerized Apps VIA Docker Management Platform.
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins, GitHub and AWS AMI’s**, Whenever a new GitHub branch gets started, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container from it. The Docker container leverages Linux containers and has the AMI baked in. Converted our staging and Production environment from a handful AMI’s to a single bare metal host running Docker.
* Administered and Engineered **Jenkins** for managing weekly **Build, Test and Deploy** chain, **SVN/GIT** with **Develop/Test/Prod Branching** Model for weekly releases.
* Configured Global security, system and managed credentials in **Jenkins**.
* Updated **Jenkins** to stable version and solved issues related to it.
* Designed and implemented Chef including cookbooks, automated cookbook CI and CD system.Made use of **Jenkins** for Chef CI,
* Automated Weekly releases with **ANT/Maven scripting for Compiling Java Code**, Debugging and Placing Builds into **Maven Repository**.
* Worked with Build team to create a workflow to Automate builds during off hours’ time using Jenkins, Sonar, and Nexus so it doesn’t have any adverse effect.
* Wrote **Python Scripts to Monitor** Variety of Services &**Perl Scripts with Hash/Arrays**to Insert/Delete/Modify content in multiple servers
* Worked on **Openstack** and its components like Nova, Glance,Swift, Sahara and Manila, Horizon.
* Securing Linux servers by hardening the OS usingiptables, SELinux and rkhunter.
* Working with the hardware vendors and application team for the **faulty replacement** and planning the downtimes accordingly
* Applied patches every quarter regularly to meet audit requirements using Oracle Ops Center, Red Hat**Satellite** server, **Up2Date, YUM, RPM tools.**
* Performance Tuning and Management for **Linux** server and working with the application/database team to resolve issues.
* Worked with **JIRA** for creating Projects, assigning permissions to users and groups for the projects.
* Created Mail handlers and notification Schemes for **JIRA**.
* Managed and Configured Monitoring solution using **Nagios**.
* Used **Nagios** to monitor servers, network, and processes using check\_byssh method and deciding threshold and warning.
* Wrote customized script to monitor activemq\_watch, mysql and jboss using **Nagios**.
* Created Graphs using pnp4nagios for better understanding and getting graphical status for **Nagios**alerts.
* Scanning the newly assigned LUNs to the serves and assigning them to volumegroup and increasing the filesystem using Red Hat volume manager
* Planned and performed the upgrades on **Linux** operating systems and hardware maintenance on HP and POWER servers like increasing memory, disk, replacing failed hardware.
* 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.**
* Insure 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 ie calculating **CPU** and **Memory** for new servers according to the current/future Applications running on the system
* Performing Rightsizing Activity on the under and Over Utilized servers already in the environment for better performance.
* Checking daily Runaway processes in the environment and opening tickets for their removal.
* Determine present and future system capability needs and ensure systems are capable of handling anticipated current and future volume.
* Perform root cause analysis for service interruption recovery and create preventative measures.
* Work with the team to manage the processing of incoming support requests ensuring effective and timely resolution of issues. Coordinate with other departments to ensure problems are satisfactorily resolved.
* Track and report progress against established milestones, metrics, and deliverables. Anticipate and address preventable issues that could impede progress. Adjust plans and schedules as necessary to meet changing business requirements.

**Barclays, Wilmington, DEMay’ 12 - Feb’ 14**

**Unix/Linux Administrator**

**Responsibilities:**

* Worked on installation, configuration and **maintenance Redhat, CentOS and Suse Servers at multiple Data Centers**
* Manged **VMWARE vSphere HOSTS in a HA/DRS Environment with vMotion/ Site Recovery Manager, Replication Manager vRealize Automation Center and Fiber SAN.**
* Worked with Build team for **Installation/Configuration/AdministratedVMware ESXi 6.0/5.5/5.1** and migrated existing servers into VMware Infrastructure.
* Experience working with production servers at multiple data centers.
* Experience in migration From Solaris & AIX to RHEL and from one datacentre to another.
* Worked with Team to Implement, Manage and Plan for Pre Migration, Migration, Post Migration and Decommissioning process for servers and documenting it.
* Using Puppet Enterprise to Manage Application configurations in both a large VMware environment, as well as a new SOA environment – built completely in OpenStack Grizzly. Utilizing BASH Scripts and Rightscale to do initial server provisioning, and Puppet to deploy and update applications including DatastaxCassendra, Apache, Tomcat MySQL, and other Proprietary applications.
* Installed/Configured/Managed **Puppet** Master/Agent. Wrote custom **Modules and Manifests**, downloaded pre-written modules from puppet-forge. Upgradation or Migration of Puppet Community and Enterprise.
* Deploy and monitor scalable infrastructure onRedHat**& configuration management using puppet.**
* Developed and supported the Red Hat Enterprise Linux based infrastructure in the cloud environment.
* Experience in **AWS, which included managing application in the cloud and creating instances.**
* Developed automation scripting in**Python (core) using Puppet to deploy and manage Java applications across Linux servers.**
* Extensive knowledge on **Vsphere/Vcenter/Vmotion** operations in **VMware** and **Hyper-v** environment’s
* Installed **Jenkins/Plugins** for **GIT** Repository, Setup **SCM** Polling for Immediate Build with **Maven** and Maven Repository (**Nexus**Artifactory) and Deployed Apps using custom ruby modules through Puppet as a CI/CD Process.
* Used **Jenkins** to Automate Builds and deploy for different environment (**Dev, Test, Stage & Prod)** one after another environment if the build is successful in following environment.
* Wrote automate script in python which deploy Minor and Major Bom(contain Artifacts) using BAMA a web based web application into Jenkins.
* Installed and configured monitoring tools **Nagios for monitoring the network bandwidth** and the hard drives status and used **Sensu** to monitor servers, services and application health.
* Administered Jenkins for managing weekly and Bi-weekly Build, Test and Deployment chain. SVN/GitHUBwith **Develop/Test/Prod Branching** Model for weekly releases
* Cloned important modules, manifests, Scripts, and other important details on **Github** so it can be shared with team.
* Forked project and made necessary changes in it in **Github** and pulled request so codes and project are up-to-date.
* Configured yum repository server for installing packages from a centralized server.
* Installed Fuse to mount the keys on every **Debian Production Server for password-less authentication.**
* Configured **RedHat Kickstart** for installing multiple production servers.
* Installed and configured **DCHP server to give IP leases to production servers.**
* Management of RedHat Linux user accounts, groups, directories and file permissions.
* Applied **the Clustering Topology** that meets High Availability and Failover requirement for performance and functionality.
* Installation, Configuration and administration **of DNS, LDAP, NFS, NIS, NIS+ and Sendmail on Redhat Linux/Debian Servers.**
* Configured, managed **ESX VM’s with virtual center and VI client.**
* Performance monitoring using **Sar, Netstat, Iostat, VMstat.**
* Using RedHat Satellite servers for patching Bi-weekly and Montly to making sure it’s updated and secured.
* Installed packages with yum and rpm.
* Worked on PCI (Payment Card Industry) data to make sure all servers security standard designed is maintained and ensure that it doesn’t leak any credit information.
* Documented all process and security information of all servers for PCI standard.
* Worked on different database like **NoSQL, MySQL, MongoDB, Cassandra, Hostcrest and Microsoft’s MsSQL.**
* Configuration and Administration of **Apache Web Server and SSL.**
* Provide the support of building the server, patching, user administration tasks, deployment, software installation, performance tuning and troubleshooting and KVM**.**
* Provided 24/7 on call support on Linux Production Servers. Responsible for maintaining security on Redhat Linux.

**Omnicare, Cincinnati, OH Feb’ 11 - Apr’ 12**

**UNIX Administrator**

**Responsibilities:**

* Build new **Solaris, Linux and AIX** servers. Upgrade and patch existing servers. Compile, built and upgrade Linux kernel. Setup and test **Red Hat Linux cluster**. Configure Solaris zones (containers).
* Conduct project planning and status reporting. Independently setup and administer **DNS, DHCP** and DDNS (Dynamic DNS) using ISC software, including DNS security using TSIG, **chroot-BIND**
* Setup and administer VERITAS Volume Manager for **NAS, SAN**. Setup and administer VERITAS NetBackup& Cluster Server (**VCS**) for risk mitigation and disaster recovery.
* Setup Solaris Custom Jumpstart server and clients and implement Jumpstart installation.
* Worked with **Telnet, FTP, TCP/IP, iLink, rlogin**, used to inter-operate hosts.
* Worked on **load balancing** to divert traffic which intact system failure.
* Contact various systems administration works under **Solaris,Red Hat**Linux environments.
* Setup and administer NavisRadius/Vital AAA RADIUS servers for ISDN, PPP and VPN services.
* Worked as System Administrator in UNIX supporting infrastructure environment comprising SUN- SPARC Server 5s, SPARC Server 20s, and E450s, E250s E3000s, E3500s, E5500s and A5000 storage array
* Installed managed **Veritas Volume Manager 3.5** (VxVM) on Solaris 5.9
* Created **Role Based Access Control (RBAC)** for users
* Performed regular day-to-day system administrative tasks including User Management, Backup, Network Management, and Software Management including Patch updates, Documentation etc.
* Supported Disk Volume Management- creating volumes with Solaris Volume Manager, VERITAS Volume Manager, and VERITAS File System.
* Worked on OS upgrade plan for **Solaris** on development and production servers.
* Recommend system configurations for clients based on estimated requirements. Installed, maintained and troubleshoot NFS.
* Implemented and maintained Backup strategy with automated scripts and using **UFSDUMP, BACKUP,** tar, cpio etc.
* Performed reorganization of disk partitions, file systems, hard disk addition, and memory upgrade.
* Performance monitoring done with conventional tools such as **SAR, iostat&netsta**t. Monitored system activities, log maintenance, and disk space management. Solved problemsinvolving **DMS** (dead man switch) timeout in **HACMP** environment.
* Administer TSM server environment(s) to **monitor** and manage enterprise data management processes. **Monitor** TSM application server processes and errors to ensure overall system performance and stability.
* Worked with **Veritas Volume Manager**, Veritas Net Backup and Sun Cluster Server in all environments.
* IBM RS/6000 SP System Software Maintenance **AIX System Dump** Generation and sending System Dump to AIX System Support Center.
* Upgraded **HACMP V4.3** nodes by doing a node by node migration without changing the cluster setup.
* Configured HACMP 4.5 to **monitor**, detect and react to failure events, allowing the system to stay available during random, unexpected software problems and also configured to react to hundreds of system events.
* Involved in configuring cascading, mutual takeover and rotating modes of operation of the HACMP and **HACMP/ES** products.
* Expertise in using the cluster snapshot utility to record the HACMP odm configuration information.
* Worked on server builds for AIX, SUN Solaris and Windows platforms to achieve 100% acceptance on all the Disaster Recovery projects.
* Install and configure **DHCP, DNS (BIND, MS),** web (Apache, IIS), mail **(SMTP, IMAP, POP3**), and linux servers.
* Defined and setup network printers, and install client/server applications. Define/setup network protocols, Network File Services **(NFS),** and Network Information Services **(NIS).**
* **Performance Management**& Tuning of **AIX Kernel**. Installation of Printers, Hard disk and Tape Drives etc.
* Security, users, groups’ administration and daily backup and restore operations. Implemented Crontabs, Shell Scripts for automatic back -up. Networking service, performance, and resource **monitoring**.

**Affiliated Computer Services, Dallas, TX Apr’ 10 – Jan’ 11**

**UNIX Administrator**

**Responsibilities:**

* System installation and Configuration of **AIX 5.x** operating system and **Red Hat 3.x, 4.x & 5.x** servers
* **UserAdministration**, adding and removing **user accounts**, changing user attributes.
* Monitoring the **CPU statistics** and **memory**. Managed IBM PSeries servers installed with AIX.
* File system monitoring and checking error messages.
* Working with **paging spaces**, **creating,** increase, decrease **paging spaces** as per requirement.
* Performed other standard system admin tasks such as system monitoring, performance usage, network support and user support.
* Configure **VG’s** and **LV’s**, Extended LV’s for file system growth needs using LVM commands.
* Working with **mksysb** for **rootvg** and savevg for user defined Volume Groups.
* Fixing corrupted **BLV**. Daily management administration.
* Working on **FTP** and **SSH** for remote administration. Monitoring server performance, **disk utilization** and failedlogins.
* Diagnosing and **troubleshooting** problems related to **Operating System** and all hardware.
* **Patch Management**. Problem determination in File systems and Logical Volumes.
* Creating and managing the default and **User** defined Paging Spaces.
* Creating and updating the **Crontab** files. **NFS** Administration. System Resource Controller Administration.
* Corporate client support for **mission critical environments**
* Responsible for 200 **Linux Servers**: **RHEL 3.0, 4.0 & 5.x**, **Bash scripting** for automation of tasks.
* Day to day problem handling like related to **File Systems, Disk, Memory, CPU, Network**etc
* Installation and configuration of many **OpenSource** Packages for company and Clients (SugarCRM, eGroupware, Openfire, Spark, RT, etc. ) .
* Did handle day-to-day IT functions like **user/quota/permission/ACL/LVM management.**
* Configuration and management of **MySQL**