**Sunil Kamineni**

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**Security DevOps Engineer / Cloud Engineer**

**SUMMARY:**

* **Driving the Infrastructure as a Code for the past 7+ Years in Scaling / Automating / Deploying Various OS Flavors (LINUX / WINDOWS) over IaaS and PaaS in Agile environments, supporting Non-Prod and Prod also within DevOps Culture.**
* Extensive knowledge in migrating Windows Servers **2008-R2/2012-R2 with services such as Domain Controller, AD, DNS, and Files/Volume shares etc.**
* **Strong knowledge in understanding IaaS and PaaS technologies.**
* Configured and managed all AWS products/services such as **EC2, S3 bucket, RDS, EBS, ELB, ROUTE 53**. Managed **IAM** through **AWS** Console and **API** Integration with puppet code.
* Hands on experience with AWS security related issues, such as IAM and S3 policies for user access.
* Profound knowledge in deploying CM’s using AWS
* **Strong knowledge on installing Chef workstations, Bootstrapping nodes, writing recipes and cookbooks and uploading them to chef server. Have ability to manage on-site OS/Applications/Services/Packages using Chef and AWS for EC2/S3/Route53 & ELB using Chef Cookbooks.**
* **Experience in various configuration and automation management tools such as Chef, Puppet, Docker, and Ansible. Have professional experience in deploying Docker Engines in Virtualized Platforms for containerization of multiple apps.**
* Profound knowledge and experience on using **MAVEN** and **ANT** as build tools. Taken responsibility in building deployable artifacts (jar, war & ear) from source code.
* Extensive experience in working with **Puppet Enterprise and Puppet Open Source**. 4+ years of experience in installing, configuring, upgrading and managing Puppet Master, Agents & Databases. Knowledge on integrating puppet with Apache and Passenger.
* 1+ year of experience in **Hadoop** administration.
* Good understanding on Apache **Hadoop**
* Helped the team in designing big data clusters and administer them.
* Experienced In writing modules and manifests in the puppet server and handled the client servers by defining them using node definitions. Worked with puppet hierarchy files, facts, and global variables.
* Professional scripting skills like **Bash Scripts, Pearl Scripts (hash and arrays), and Python programming**. Deployed many Java applications on bare servers and Middleware tools using scripting skills.
* In-depth knowledge on automation and scripting using Power Shell and JavaScript used for server and application deployments in VMware, Bare Metal and cloud based environments.
* Expertise knowledge on moving users Exchange Mailbox, personal network folders, AD Organizational Unit through **Active Directory (AD) and Exchange 2013.**
* Familiar in creating groups for users, permissions for using Domain Access Controlled Applications, and updating network shares using Active Directory.
* Created customized scripts to check **AD replication**, performance and general health domain to reduce the AD health checks time.
* Expertise knowledge on **SharePoint 2010/2013** and professional experience in administrating SharePoint sites.
* Expertise in administering **Microsoft SCCM 2012** environment, including creating and editing security groups, application deployments, patch management, and general troubleshooting
* Created custom scripts to upgrade and deploy software applications through SCCM.
* Coordinated with Network Security team to ensure proper SCCM ports are implemented and also responsible in repairing mis-configured SCCM site settings.
* Profound knowledge on SCCM infrastructure including boundaries, site server roles, and parent/child relationships in order to troubleshoot SCCM related errors.
* Responsible for maintaining and troubleshooting entire SCCM environment for overall client and server health.
* Taken responsible in decommissioning SCCM servers.
* Designed and implemented NIC bonding/NIC Teaming configuration in **Windows/Linux/UNIX/VMware environment** to increase the bandwidth or redundancy.
* Day to day job includes Monitoring, Troubleshooting, and maintenance of **Windows/Linux/Unix machines** but not just limited in handling tickets.
* In-depth knowledge and hands on experience with **UNIX Red Hat Linux system administration**. 5+ years of experience in building systems/servers which includes Installation, Patching, Migration, Troubleshooting, Performance monitoring and Fine-tuning.
* Performed Host Clustering **with HA, DRS, Replication Manager 5.x/6.0** and 4+ years of experience with **VMware ESXi 5.1/5.5/6.0**. In-depth on migrating physical to virtual machines (**P2V**) and managing SAN Data stores with iSCSI, NFS & FC
* Installed and configured services like **DNS, LDAP, FTP, SMTP, Tomcat, Apache web servers, NFS, RPM packages, SAMBA, SQUID, Postfix**, and Remote Access. Proficient in Security Management and Security trouble shooting skills.
* Installed, configured, and managed **Jenkins/Hudson** for continuous integration and End to End automation for all the build and deployments.
* Professional experience with **JIRA** tracking tool in **setting up JIRA** as defect tracking system. Proficient in managing the bugs and changes in the production environment by configuring various workflows and customizations in JIRA bug tracker.
* Good understanding on middleware technologies such as **WebSphere Application Server 7.x/8.x, JBOSS GA7/EAP6, IBM IHS, Apache & Tomcat.** Hands on experience in managing these technologies through puppet.
* Extensive experience in optimization of enterprise applications using **IBM WebSphere Application Server 6.x/7.x/8.x,IBM WebSphere MQ 6.x/7.x/8.x** Workload Management (WLM), Resource analyzer, JNDI, IBM/Apache HTTP Server**,** LDAP, JMS, DB2, Oracle on Unix/Linux and Windows platforms.
* Extensive Experience in integration, deployment and administration of J2EE Application servers **WebSphere v6.0/7.0/8.0/8.5,** and **JBossv6.0.** Application Server across UNIX, Windows and Linux platforms.
* Knowledge in creating, configuring profiles, clusters, nodes, node agents for **WebSphere** application server.
* Experienced in securing, tuning, backup, recovery, and upgrading WAS on Linux (RedHat) and Windows.
* Knowledge on troubleshooting, applying patches, and plug-ins for WAS 7.X/8.X on Linux environments.
* Working knowledge on source control tools like **Tortoise SVN, CVS, IBM Clear Case, Perforce, and GIT**.
* Substantial knowledge on source controller concepts like Branches, Merges and Tags.
* Installed and configured volume management using **VERITAS** Volume Manager 5.1/6.0 and Solstice Disk Suite on Solaris. Expertise in **RAID** configurations and Backup tools like **NetBackup, Veeam Backupand Replication Suite**.
* **Experience in installing, configuring and managing RDBMS and NoSql tools like SQL Server 2008/2012/2014, MySQL, DB2, PostgreSQL, MongoDB and Cassandra.**
* **Experience in working with monitoring tools like Solar winds, Splunk, Nagios, iCinga for Log Tracing. Working experience in creating Nodes in Solar Winds for Resource and Network monitoring.**
* Experience in working with IBM **BigFix** patch management tool.
* Lead efforts to implement core **BigFix** solutions including patch, anti-virus, software distribution, and vulnerability management.
* Successfully deployed **BigFix** agent to all the production servers.
* Extensive knowledge on patch management for **Windows, Linux, and UNIX** based systems through **IBM Endpoint manager**.
* Familiar with **Nexthink IT analytics tool**. Installed and managed **Nexthink** on both Windows and Linux machines.
* In depth knowledge on **Nexthink** infrastructure and its software components.
* 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:**

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| --- | --- |
| **Operating Systems** | RHEL/CentOS 5.x/6.x/7, Ubuntu/Debian/Fedora, Sun Solaris 7/8/9/10, Windows Server 2003/2008/2012 |
| **Build/Automation Tools** | Puppet, Chef, Ant, Maven, Jenkins, Hudson & Bambo |
| **Languages** | Shell, Bash, Perl, Ruby, and Python scripting |
| **Databases** | MySql, MongoDB, Cassandra, PostgreSQL, SQL Server |
| **Web/App Server** | Apache, IIS, HIS, Tomcat, WebSphere Application Server, JBoss |
| **Bug Tracking Tools** | JIRA, Fisheye, Crucible, Rally, Remedy and IBM Clear Quest, Bugzilla, HP Quality Center. |
| **Version Control Tools** | Subversion, GIT, Tortoise SVN, Visual SVN |
| **Web Technologies/Programming Languages** | Servlets, JDBC, JSP, XML, HTML, .Net, Java Script, Java/J2EE, C, C++, Ruby, Perl scripting, Python, Shell scripting. |

**PROFESSIONAL EXPERIENCE:**

**Capital One, Richmond, VA Jul’ 2016 - Present**

**DevOps Security Engineer**

**Responsibilities:**

* Responsible in designing **Disaster Recovery (DR)** plan in case of outage in US-East region.
* Facilitated meetings to discuss the pre-migration efforts and gain approval by all the respect parties
* Edited pre-written Cloud Formation templates to build TEST environment on both east and west regions.
* Developed **CFT** (Cloud formation templates) to setup user roles with corresponding user and group policies.
* As part of disaster recovery, developed python script from scratch to take the dump of US-East RDS (**PostgeSQL**).
* Developed scripts to move the dump from EC2 to S3 bucket, also developed python scripts to migrate the dump from s3 bucket to US-WEST RDS.
* Hands on experience with **PostgeSQL** in creating user roles, altering permissions and developing schemas.
* Proficient knowledge and hands on experience in automating the tasks through python and Ruby scripts.
* Written chef cookbooks to automatically provision the services like **Splunk** and install **pgclient** on EC2.
* Responsible in automating the Disaster Recovery using **LAMBDA** function.
* Developed migration procedure handbook to migrate the DB’s from East to West region.
* Successfully build DR plan for both INT and DEV Environments.
* Worked on web servers like Apache and application servers like Tomcat to deploy code.
* Extensively worked on Jenkins by installing, configuring, and maintaining for the purpose of continuous integration and End to End automation for all build and deployments.
* Maintain test in different environments like Integration, test, UAT environments.
* Experience in using Nexus Repository for Maven builds.
* Had built many Jenkins jobs in deploying the code and running the cookbooks.
* Experience in **MYSQL, Mongo DB,** and **PostgeSQL** DB tasks. Successfully migrated the specific schemas from one region to another region.
* Involved in designing and deploying multitude applications using AWS stack (including **EC2, S3, RDS, PostgreSQL, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Given continuous support to Cloud Service’s Team and ISRM team on services such as EC2, Auto-scaling, and VPC to build secure, highly scalable and flexible systems that handled expected and un-expected load bursts.
* Created S3 bucket and also managed policies for S3 bucket for Archival **storage** and **backup** on AWS.
* Used pre-written chef cookbooks to edit recipes for AWS server provisioning.
* Daily routine tasks involves installing and configuring virtual cloud services like (**EC2, ELB, VPC, Security Groups etc**..) to test PEGA application services.
* Responsible in supporting cloud servers including security configurations, patching, and troubleshooting app and web servers.
* Developed python scripts for automating client/server solutions.
* Responsible taken in monitoring and updating denial of service systems.
* Worked closely with application teams in migrating from **GEN** 1 security groups to **GEN** 2 security groups.
* Strong knowledge on security issues surrounding **Linux, Windows, TCP/IP, SMTP, HTTPS and DNS.**
* Migrated key systems from on-premise hosting to cloud (Amazon web services.)
* Experienced with chef for configuration management and edited cookbooks with Nexus repository to forward the compressed files to destination node/instances.
* Experience with monitoring tools such as **Cloud Watch**.
* Responsible in building server automation with chef and other tools like Jenkins/Maven for deployment and build management system.
* Designed and developed automation test scripts using python.
* In-depth knowledge on migrating a DB from one region to another region.

**Anthem Health Insurance, Richmond, VA Aug’ 2015 – Jun’ 2016**

**DevOps Security Engineer/Cloud Engineer**

**Responsibilities:**

* Deployed Symantec public/private cloud platforms (IaaS and PaaS) across Amazon Web Services (AWS).
* Migrated **IaaS, PaaS,** and **SaaS** instances between public and private clouds- .Net, Ruby, LAMP, Apache, Firewalls and Encryption.
* Design, implement and support cloud infrastructure based on the latest technologies such as Docker and VMware to improve the availability, scalability, latency and efficiency of IaaS.
* Written **ANT/Maven** scripting for compiling Java code, Debugging and placing builds into Maven Repository to automate the weekly releases.
* Developed chef cookbooks like tomcat, http, ntp etc., for automation of infrastructure.
* Regulated and Engineered Jenkins for managing weekly Build, Test and Deployment. Worked on **SVN/GIT** in Dev/Test/Prod Branching models for stabilizing weekly releases.
* Deployed and administered virtualized Linux infrastructure (VMWARE, XEN) (IAAS) on Azure. Built custom scripts, workers and clients utilizing resources.
* Written Recipes in Ruby to customize the Chef Cookbooks as per the company environment.
* Use Test Kitchen to debug the Recipes and Cookbooks and uploaded them to the Chef-server
* Managed and supported AWS security related issues, such as IAM and S3 policies for user access.
* Worked with cloud teams in **building** and **deploying VM’s** using AWS.
* Designed AWS cloud based solutions in collaborating with development teams to flawlessly deploy application updates with zero downtime.
* Responsible in developing operational servers in the cloud using AWS.
* Practiced Installing Pivitol Cloud Foundry on AWS Using Pivitol Docs as a POC and Installed Pivitol Cloud Foundry on MS Azure also.
* Knowledge on setting up trust between on premise and cloud server using ACS and ADFS in Azure.
* Familiar in adding and managing CO-Admin’s for all the subscriptions in Azure platform.
* Creating and managing Virtual Machines in Windows Azure and setting up communication with the help of Endpoints and also VM migrations from traditional hosts.
* Performed cache memory on Windows Azure to improve the performance of data transfer between SQL Azure and WCF services.
* Created virtual network on Windows Azure to connect all the servers.
* Design, deploy, and maintain Windows server environments primarily hosted in **Microsoft Azure.**
* Assisted in moving existing private cloud workloads to public records.
* Written power shell scripting for debugging daily production issues and for automation of VM’s
* Extensively used Power shell scripts to monitor daily Database administration.
* Developed power shell scripts to pull out the audit information from SharePoint site.
* Involved in developing SharePoint custom solutions and deployed solution using Power shell scripts.
* Administered and monitored network through the use of Power shell including system integration and application support.
* Developed internal website using **IIS, VBScript, and Power shell** to monitor Active Directory environment which includes event log tracking and performance monitoring.
* Developed automated build and deploy system using bash scripting.
* Expertise in writing shell scripting using bash to ease administration tasks.
* Migrated consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Created Power shell scripts to automate tasks in Exchange 2010 and also developed scripts to automate setting of user credentials and activation of windows.
* Taken initiative in writing Python scripts to monitor variety of services. Developed custom scripts and used pre-written Perl scripts with Hash/Arrays to Insert/Delete/Modify content in multiple servers.
* Worked directly with application teams to resolve issues related to Enterprise and Web Applications hosted on **WebSphere**, **JBoss** and **Tomcat**.
* Used Wily Performance tools for monitoring and tuning the WebSphere environment like configuring Heap size, Thread pool size, Session Management, connection pool size and configured **Splunk** for **long monitoring** various application server messages like **Out of Memory**, **Threadhungs**, etc.
* **Federated** multiple WebSphere Application Server standalone and custom nodes to the Deployment Manager in Network Deployment environment.
* Managed internet protocols and standards such as **LDAP, TCP/IP, and FTP, DHCP, WINS, DNS** and related management tools.
* Maintained hardware and software across all environments (**physical, virtual, cloud**) and all platforms (Windows, Linux, and Mac).
* Extensive experience in **windows 2003, 2008R2, 2012R2** servers at multi domain platforms.
* Expertise in Windows 2003 and2008 Active Directory Installation and Configuration.
* Moved users Exchange Mailbox, personal network folders, AD Organizational Unit through Active Directory (AD) and Exchange 2013.
* Created groups for users, permissions for using Domain Access Controlled Applications, and updating network shares using Active Directory.
* Configured, troubleshoot, and upgraded Checkpoint Firewalls for Manage clients, which included network and/or resource access, software, or hardware problems.
* Opened, resolved, or updated Tier I Support tickets for Manage Firewall clients.
* Responsible in firewall troubleshooting and maintenance issues, responsible for resolving the issues from company and/or vendor documented resolutions.
* Administered and monitored network through the use of Power shell including system integration and application support.
* Created customized scripts to check AD replication, performance and general health domain to reduce the AD health checks time.
* Conducting capacity assessment for new demand of servers i.e., calculating CPU and Memory for new servers upon analyzing the current/future applications running on the system.
* Responsible in creating and managing SharePoint (2013) groups and also in giving permissions to Domain users.
* Performed systems security administration functions, including creating user profile. Installed, upgraded and configured **Red Hat Enterprise Linux 6.x/7.x and CentOS**. Job role also includes installation of number of packages and patches for Red Hat Linux Servers.
* Worked on application servers **Microsoft Active Directory 2012R2** and familiar with Microsoft internet information services (IIS) 6.0/7.0, and SCCM.
* Created file system using **Red Hat volume manager**. Daily job routine includes performing heath checks for all Linux and.
* Windows servers Hands on experience with P2V, V2V Migrations using VMware converter.
* Installed, configured and administered **VMware ESXi 5.1/5.5 & 6.0** and migrated existing servers into VMware infrastructure.
* Created customized Kick-start profiles for each server and ISO image to build the server.
* Using JIRA, created projects and assigned permissions to users and groups for the projects. Responsible in creating Mail handlers and notification schemas for **JIRA.**
* Holding regularly scheduled meetings with the team staff, development teams and business areas to plan for future requirements and review the current projects to attain desired results.
* Provide drill down reporting for application teams to use in monitoring their application **resource usage/performance**.
* Schedule regular meetings with application development teams to make recommended changes that improve **program performance.**

**Shutterfly Inc., Santa Clara, CA Apr’ 2014 – Jul’ 15**

**DevOps Engineer/ Windows Administrator**

**Responsibilities:**

* Involved in the implementation of IBM BigFix tool. Installed, designed and managed BigFix server infrastructure.
* Lead efforts to implement core BigFix solutions including patch, anti-virus, software distribution, and vulnerability management.
* Proactively monitored the health and stability of all BigFix components.
* Administered BigFix tool and involved in building, testing, and performing upgrades of BigFix software.
* Familiar with diagnosing and troubleshooting problems with BigFix infrastructure and agents.
* Proactive in responding to tickets and requests directed towards systems engineering.
* Responsible for managing daily operations of the solution which includes patching, monitoring, and reporting..
* Successfully deployed BigFix agent to all the corp. servers.
* Responsible in building modules in **Ansible** using **Python** scripting.
* Expertise in configuration management and system automation using **Ansible**.
* Created custom roles and playbooks using Ansible automation tool.
* Hands on experience in writing **Playbooks** using Ansible to repeatedly creating **Amazon EC2** instances and **AMIs**.
* Familiar with **Ansible** to create **Docker** images and deploy **Docker** containers.
* Used **Docker** that automates the deployment of applications inside software containers.
* Involved in Configuring WebSphere resources such as **JDBC Provider, Data Sources**, and Virtual Hosts, host aliases, generation and **propagation of plug-in.**
* Share **24x7 on-call duties** with the WebSphere team including rotating on-call schedules **for multiple environments including production**, performance test.
* Experienced in **migrating** the applications from WebSphere V5.0 to V6.0 and from WebSphere V6.0 to V7.0 and V7.0 to V8.0 also Web Servers. Versatile team player with ability to perform under stress.
* Configured WebSphere resources including **JDBC providers**, **JDBC data** sources, connection pooling and JMS Connection Factories and Queues.
* Deployed EAR apps on clusters using WSAADMIN scripts in JACL or Jython.
* Configured WAS JVM Heap (Memory).
* Load balanced JVM’S using Apache Web server via the Loadmodule.so for WAS Plug-in in https.config.
* Managed JVM HA with F5 Big IP Load balancer.
* Deep knowledge of managing mid to large enterprise windows deployments including image creation and deployment, GPO controls, Application control, as well as security configuration and user rights management.
* Proficient in internet protocols and standards such as LDAP, TCP/IP, FTP, DHCP, WINS, DNS and related management tools.
* Maintained hardware and software across all environments (physical, virtual, cloud) and all platforms (Windows, Linux, and Mac).
* Performed patch management for Windows, Linux, and UNIX based systems through IBM Endpoint Manager.
* Hands on experience with IBM BigFix Web UI. Deployed custom content, patch and software’s across multiple machines.
* Performed system up gradations to hundreds of machines through BigFix web user-interface.
* Performed designing, deploying virtual networks and upgrading systems, including hardware, software, networks, and servers.
* Extensive experience in windows 2003, 2008R2, 2012R2 servers at multi domain platforms.
* Installed and configured VMware vSphere on both windows and red-hat machines.
* Hands on experience with P2V, V2V Migrations using VMware converter.
* Worked on application servers Microsoft Active Directory 2012R2 and familiar with Microsoft internet information services (IIS) 6.0/7.0, and SCCM.
* Performed systems security administration functions, including creating user profiles and accounts.
* Familiar with vSphere CLI and hands on experience in writing scripts.
* Taken responsibility in monitoring and maintaining the IT security of assigned machines, including user accounts and accreditation.
* Monitored work stations, laptops, and servers and tune their performance, including system settings, file system, and network performance.
* Proficient at implementing, supporting, and migrating windows/Linux servers (Server 2003, 2008R2 and 2012R2, Red-hat, Solaris).
* Involved in implementing and maintaining Microsoft windows clusters and Microsoft Group Policies (GPO).
* Reviewed, managed and deployed VMware updates, patches to VMware hosts and guests on a scheduled basis.
* Responsible for the design, implementation, maintenance and troubleshooting virtualization platforms including ESX/ESXi, Vcenter 5X & 6X, vSphere 5X & 6X, etc. in a multi domain environment.
* In-depth knowledge on automation and scripting using PowerShell and JavaScript used for server and application deployments in VMware, Bare Metal and cloud based environments.
* Performed regular health checks of all hosts and VM objects using Solar Winds monitoring tool.
* Assisted in administering **VMware SRM to accommodate virtual machine replication**.
* 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 Data stores with, iSCSI, NFS & FC.**
* Upgraded VMware network adapters from E1000 to VMXNET 3 for over 100 machines.
* Installed and configured ESXi 5.0, 5.1 Servers on Blade servers. Creating Virtual machines. Creation of templates from VMs and Creation of VMs from templates.
* Worked as a part of backup team to maintain backup system infrastructure, improve backup system performance, and develop new enhancements and services for the NetBackup infrastructure.
* Regular job responsibilities include monitoring and maintaining of all backup infrastructure servers, tape libraries, and disk arrays.
* Initiated and created alerts for failed backups in Symantec NetBackup.
* Familiar with Symantec NetBackup for windows and Linux environments.
* Profound knowledge on installation and configuration of NetBackup master server, Media server and client.
* Performed flat file restores and identified opportunities for improving systems in terms of Backup time optimizing, minimize errors that increase resilience.
* Involved in the implementation of Nexthink IT analyticstool. Installed and managed Nexthink tool on both Windows/ Linux machines.
* Installed, configured and managed Nexthink collector, Engine, Finder and portal. Have deep understanding on Nexthink infrastructure and its software components.
* Installed Nexthink collector over 2000 desktops/laptops using DELL KACE K100 patch management tool.
* Proactively monitored 2000 laptops/desktops and user activity using Nexthink tool to resolve IT issues and detect threats faster.
* Job role includes daily monitoring of activities, connections, performance, and events of all devices using Nexthink.
* Provided new ideas, solutions and customizations to Nexthink portal and engine.
* Had good hands on experience in creating metrics and dashboards within Nexthink portal.
* Created investigations and alerts within Nexthink Finder to provide essential visibility for the IT governance.
* Had a deep understanding of Nexthink Portal. Created custom dashboards, widgets, modules and reports with the ability to present more sophisticated analytics.

**CDK Global, Chicago, IL Oct’ 13 – Apr’ 14**

**Linux Admin / Cloud Admin / DevOps Engineer**

**Responsibilities:**

* Worked on installation, configuration and **maintenance Debian/Redhat, CentOS and Suse Servers at multiple Data Centers.**
* Configured **RedHat Kickstart** for installing multiple production servers.
* Installation, **Configuration and administration of VMware.**
* Deploy and monitor scalable infrastructure on Amazon web services **(AWS) & configuration management using puppet.**
* **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**.
* 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.
* Proficient in using all Amazon Web Services including **EC2, EBS, IAM, S3, ELB**.
* Experience working with production servers at multiple data centers.
* Worked on Physical to **Cloud Migration in AWS.**
* Hands on experience in installing, configuring, supporting, and managing Hadoop clusters using Apache.
* Involved in Hadoop cluster planning, performance tuning, and troubleshooting.
* Knowledge on adding and removing nodes to an existing Hadoop cluster.
* Hands on experience in analyzing Hadoop Log files to find the root cause of the issues.
* Experience in migration of consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Used Puppet for Monitoring system and automation.
* Installed and configured monitoring tools **Nagios for monitoring the network bandwidth** and the hard drives status.
* 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.**
* Worked on Version controller **like GIT and integration tools: Jenkins**
* Logged events from forced crash dumps and troubleshoot server issues.
* 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**.
* Experience with Configuration Management Tools **(PUPPET, Ansible).**
* 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 Send mail on Redhat Linux/Debian Servers.**
* Configured, managed **ESX VM’s with virtual center and VI client**.
* Performance monitoring using **Sar, IOS tat, VMstat and MPstaton servers** and also logged to munin monitoring tool for graphical view.
* Installed packages with yum and rpm.
* Installation and configuration **of PostgreSQL database on RedHat/Debian Servers**.
* Performed Disk management with the help of **LVM (Logical Volume Manager).**
* Configuration and Administration of **Apache Web Server and SSL.**
* Created and maintained network users, user environment, directories, and security.
* 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.

**State Farm Insurance, Bloomington, IL (off-Shore Project) May’ 09 – Sept’ 13**

**Implemented by GLANSA Solutions, Hyd, INDIA**

**Systems Engineer**

**Responsibilities:**

* Deploying the **Redhat Linux enterprise** server as like existing versions **5.x, 6.x** versions
* Creating the VM shell and pushing the operating system using the **kick start** server.
* Creation of Kickstart images for the different version of Redhat Linux Operating system like 5.x & 6.x
* **HPblade centerC7000** hardware management using ILO console
* Creating the **server profile** and making the network and SAN virtual configuration using **Virtual Connect** in blade center C7000
* Creating the **filesystems** using redhat volume manager and performing the health check on regular basis for all **Linux** serves
* Scanning the newly assigned **LUNs** to the serves and assigning them to **volume group** and increasing the **filesystem** using redhat volume manager
* Mounting & unmounting the netapp storage LUNs to the **Redhat Linux** servers and troubleshooting the issues encountered
* Creating Link aggregation **(LACP)** with **VLAN** tunneling using **virtual connect (VC)**
* Share uplink set **(SUS)** using **LACP**&**VLAN** tagging
* Performance Tuning and Management for **Linux/AIX** server and working with the application/database team to resolve issues.
* Creating the **filesystem** and **RAW** logical volumes for the **Oracle RAC** based on the requirement
* Upgrading the **kernel** in all the **Redhat** Linux servers and creating initrd image to boot from the Upgraded kernel
* Migration of **Redhat** Linux servers from 4.x version and working with the application team to resolve the issues post migration.
* Installation/Configuration of **ESXi** 3.5, 4.x servers and applying **security patches** to the ESXi servers
* Managing the **ESXi** servers using the **Vsphere** client and **Vcenter** for managing the multiple ESXi servers
* Building the **Red hat Linux** server in **Vmware ESX** client through **Vsphere** client
* Storage mapping on **Red hat Linux** and create the **Volume group** , **Filesystems** using Logical Volume manager
* Installed/Configured **redhat Linux cluster 5x** version & Configuring the cluster resources
* Adding storage to the **cluster disks** and **increasing/ decreasing** the filesystem in **RHEL.**
* Creation of Fence devices in the cluster, Creation Failover domains for the cluster and **Flip over/ Failover** test in between the **nodes** in the cluster
* Working on **SAN** storage on **ESXI** servers and assigning the **LUNs** to the Virtual Machines running on the **ESXi** server.
* Performed **V**up 5.0, Sybase 11.5.1, Perl Scripting, NIS, NFS, LDAP server, WebLogic, Apache Tomcat, EMC Storage SAN.
* Working with **backup** team for the **Legato** backup & Restore, **Legato** client Installation in the  **Redhat Linux** server
* Installed and Configured **SAMBA** Server in Linux for accessing the shared files from the windows environment
* Configuring and Maintaining of Network File Systems like **(N.F.S)** and Auto mount in networks
* Installing and updating **Kernel**. Created and modified **swap** files and added swap space
* **NTP** server and client configuration for **synchronization** of timing of all the server with the NTP servers.
* Yum configuration & package installation through YUM.
* Configuring and deploying of iSCSI server and Client.
* Installation of Red Hat Enterprise Linux.
* Configuration and troubleshooting for Red Hat Linux.
* Handling troubleshooting issues like boating, RPM packages, User management and backup.
* IP bonding for load balancing and fail over, Firewall, SELINUX.
* Hosting and securing web pages using Apache (httpd) web server and ssl.
* User Administration & Quota Management
* Creating and deploying LVM, resizing the logical volume and volume group.
* Configuration and administration of LDAP, NFS, FTP, SAMBA and POSTFIX Servers in Red Hat Enterprise Linux.
* Performances, CPU and Memory monitoring of Red Hat Enterprise Linux.
* Create, deploy and manage Linux and windows VM using Red Hat Enterprise Virtualization Manager, which includes moving and migrating VM from one cluster to another cluster or within the same cluster.
* Experience in Windows 2003 and2008 Active Directory Installation and Configuration.
* Heartbeat clustering for high availability in Apache.
* Installed and configured ESXi 5.0, 5.1 Servers on Blade servers. Creating Virtual machines. Creation of templates from VMs and Creation of VMs from templates.
* Performed physical to virtual (P2V) and (V2V) migrations for approximately 50 physical servers utilizing VMware Converter.
* Firmware upgrade, managing the servers, collecting Logs, open KVM console for troubleshooting**.**