Pratik Bandarkar
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Professional Profile

Highly skilled Senior Technical Support Engineer, worked with Red Hat India on Linux and Cloud platform. Having decent experience in resolving complex customer issues in a timely manner. Currently working with HSBC(UK) on OpenStack, SaltStack and GCP.

Highlights

- 5.11 years of experience in Linux Administration,Virtualization and Cloud in Red Hat India.
- 3 years of experience with Red Hat OpenStack.
- 8 months of experience in the banking environment(HSBC, UK)
- Troubleshooting proficiency.
- Experience with saltstack.
- Knowledge of shell and python and Google Cloud Platform(GCE).
- Vast Technical Knowledge.
- Good Communication.
- Ease of learning new Technology.
- Patient and diligent .

- Currently working with Banking client. My role is to administer Openstack setup and automate installation of applications using saltstack.

Certifications

- Red Hat Enterprise Linux Certified(RHCE)
- Red Hat Enterprise Virtualization Certified(RHEV)
- Red Hat Certified System Administrator in Red Hat Openstack
- Red Hat Certified Engineer in Red Hat Openstack
- Red Hat Certified in Server Hardening
- Red Hat Certified in Cluster and Storage Management.
- Docker, Kubernetes

Skills & Specialization

- Operating Systems: RHEL, CentOS, Fedora.
- Virtualization: RHEV, KVM, Libvirt, QEMU, Docker, Kubernetes, VMWare(Novice)
- Cloud Technologies: OpenStack(Nova, Glance, Neutron, Cinder, GCP Horizon, Packstack, Tripleo), Google Compute Engine.
- Programming Language: Python,
- Configuration Management Tool: Ansible,saltstack
- Networking: OSI Model, TCP/IP (TCP, IP,UDP,ICMP).
- Clustering: Pacemaker, Haproxy
- Firewall: Iptables
- Storage: LVM, iSCSI, RAID, CEPH
- Git

- Knowledge of deploying/building Red Hat Open Stack – version 4,5,6,7,8,9,10(HA and non-HA) setup from scratch using packstack/rhel-osp-installer/Director(undercloud-overcloud)
- Setup OpenStack test environment(RHOS - 4,5,6,7,8,9,10(HA and non-HA)) to reproduce the issues.
- Automating tasks(such as installation of applications(oracle,java,cpp,python,tomcat,java_j9, R,mongodb,scala,derby etc.)) running on virtual machines on top of OpenStack / Google Compute Engine using saltstack .
- Interacting with GCP API.
- Integrating CEPH as a backend for cinder,glance,nova.
- Supporting existing Linux/KVM/OpenStack deployment.
- Configuring SRIOV,CPU Pinning, NUMA, DPDK on HA/non-HA OpenStack setup.
- Configuring the iSCSI initiator and target to configure the storage and use them for the RHEV environment.
- Deployment of Red Hat Enterprise Virtualization environment and supporting them.
- Creation of VM, snapshot, template and use them based on the requirement.
- Troubleshooting the Linux(storage/Networking), OpenStack, RHEV issues.
- Doing system performance analysis and configuring various servers like DNS, DHCP, IPTABLES etc.
- Code contribution(Bug fix, Feature) in saltstack, sosreport project(https://github.com/pratik705)
- Preparing for Ansible Certifications

Experience

- **Red Hat Pvt. Ltd.(India)** - 5.11 years of experience starting from January 2011 to February 2017.

- **HSBC(UK) -** 8 months of experience starting from March 2017 to till date.

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    - **Role:**
        - Setting up Linux Virtualization Platform using Libvirt, KVM, Qemu

        - Automating tasks(such as installation of applications(oracle,java,cpp,python,tomcat,java_j9, R,mongodb,scala,derby etc.)) running on virtual machines on top of OpenStack / Google Compute Engine using saltstack .

        - Building saltstack architecture to interact with REST-API using various saltstack features(reactors, salt orchestration etc.)

        - Interacting with GCP API.

        - Helped customers in deploying fresh cloud platforms [Openstack].

        - Troubleshoot existing issues in deployed Openstack setup.

        - Collaborated with vendors EMC, VMWare, Netapp optimize functionality in OpenStack setup.

        - Configuring the iSCSI initiator and target to configure the storage.

        - Providing technical and process related assistance to fellow employees to provide prompt and reliable service to meet the SLAs (Service Level Agreements).

- Analyzing system logs for diagnosing server's flexibility.

- Specialization in deploying DataCenters on KVM, RHEV(Red Hat Enterprise Virtualization) & oVirt, Openstack Platform. Responsible for installation, migration, upgradation, troubleshooting & Architecture review of POC & production environment.

- Write a shell script to automate the things if required.

- Linux servers patching and OS upgrading to run more stable and secure infrastructure.

- Recently started working on NFV(Network Function Virtualization) related components such as SR-IOV, NUMA, HugePages, RT-KVM, PCI Passthrough.

- Migration of physical machines to KVM/RHEV 3.x

- Migration of virtual machines from KVM/VMWare to RHEV3.x and OpenStack.

- Resolved customer complaints and concerns with strong verbal and negotiation skills.

- Displayed courtesy and strong interpersonal skills with all customer interactions.

- Maintained composure and patience in face of difficult customer situations.

- Trained new employees and explained protocols clearly and efficiently.

- Helped customer to resolve the complex issues over remote session.

- Handled lots of Linux, Virtualization, OpenStack issues from various customers.

- Helped RedHat consulting team by suggesting recommendation for deploying single node(non-HA) / Multi-node(HA) OpenStack setup at customer end. Customers such as Cleartrip, Comviva , American Express, Huawei, CSC, Nokia, Wipro, TCS, Aentna Inc, Revo software solution, SAP, OLX etc.

Other Participation:

- Participated in OpenStack,CFME test days.

- In the year 2015, I delivered a talk on Open stack in FUDCon event which was held in
Pune.(http://www.slideshare.net/pratikbandarkar/nova-openstack-computeasaservic)

- Delivered session on NFV at bangalore OpenStack forum(https://www.slideshare.net/mobile/pratikbandarkar/accelerating-nfv-delivery-with-red-hat-openstack)

- Delivered OpenStack sessions for the team/juniors.

- Participating in phase gate process to help customers in deploying RHOS setup from scratch. It includes – Architectural review & deployment process.

- In OpenStack my more interest is towards Nova, Cinder, Glance, Neutron.

- Now working on adapting NFV(Network Function Virtualization) technology.

- Contributed in documenting the steps to build test environment using director.

Education

Degree	Board/University	Year of Passing	School/College
B.Tech in I.T. (Information Technology).	B.A.T.U. University	2010	Babasaheb Ambedkar Technological University, India
HSC	Mumbai Board	2006	Rajabhau Mone Jr. College, India
SSC	Mumbai Board	2004	R.N.Raut high school, India

Personal Details

Date of Birth: 20th Jan 1989.

Languages Known: English, Hindi and Marathi.

Marital Status: Married.