

PROFILE

Seeking a challenging career and be a part of a progressive organization where I can learn and utilize my skills towards the growth of the organization. A dynamic individual with around 6+ years of experience specialized in Containerization in Docker, Podman & Openshift, Managing CPaaS, IaaS platform and Patch Management. Extensive implementation and troubleshooting experience under Client Server Systems & automating the process of deployment of openstack instances using Ansible also automating the regular administrative tasks using bash/python scripting.

EDUCATION

- Completed BA from Berhampur University in the year of 2016 with 60%.

CERTIFICATION

Certification	CertificationID
Red Hat Certified System Administrator	180-094-773
Red Hat Certified Engineer	180-094-773
Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform	180-094-773
Red Hat Certified Specialist in Openshift Administrator	180-094-773
Red Hat certified System Administrator in Red Hat Openstack	180-094-773
Red Hat Certified Specialist in Containers and Kubernetes	180-094-773
Red Hat Certified Architect in Infrastructure	180-094-773

TECHNICAL SKILLS

- Operating Systems :- LINUX(RHEL-7/8), WINDOWS 2012
- Configuration Tool :- Ansible and Ansible Tower, Terraform
- Server Configuration :- LAMP, FTP, DNS, NFS, Samba, DHCP, mail server etc.
- Scripting :- Bash, Python
- Monitoring Tools :- Grafana, ELK, Prometheus, OME, Kibana.
- Cloud Used :- Openstack v13, AWS, Canonical.
- SCM Tools :- GitHub, Gitlab.
- DevOps Tools :- Jira, Jenkins, Maven.
- Virtualization Technology :- KVM, ESXI, RHEV.
- Containerization Tools :- Docker, Podman, Kubernetes, OpenShift, Skopio.
- Storage :- Dell ME storage, NAS, Ceph, Neetapps

WORK EXPERIENCE

Prodevans Technologies PVT.LTD **Mar 2018– Till Now**

Responsibilities:

Openstack:-

- Experience in managing multiple private clouds for enterprises on Bare metal, Virtual Machines and Containers to address different project needs.
- Experience in Openstack components Neutron, Nova, Cinder, Horizon, Ceilometer, Heat, Glance and Swift.
- Experience Deploying OpenStack deployment technologies (TripleO, Packstack and Canonical).
- Under Cloud and Overcloud Deployment (OSP13/OSP16)
- Launching instances with the Horizon Web Interface and CLI prompt as well and Creating Customized Images and Flavors.
- Manage networks, subnets, routers, and floating IP addresses and VLAN, VXLAN, and GRE networks
- Creating, managing multiple tenants in a cloud, creating quotas, triggering alarms when certain thresholds are reached, creating network, customizing heat templates.
- Provisioning and optimizing of compute, network, and storage services with Openstack through dashboard, command-line and API utilities.
- Creating and managing cinder volumes.
- Creating VM, snapshot, template and use them as the base images depending on the requirement.
- Debugging logs for understanding component failures, Identify the bugs and reporting to concerned team.
- Attending daily standup meeting, updating the status and trying to resolve the issues faced by the team.

OpenShift :-

- Worked in container based technologies like Docker, Kubernetes and Openshift.
- Point team player on Openshift for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Buildconfigs, templates, Imagestreams, etc
- Install and manage operators from Operator hub.
- Allocating storage to application by creating PV and PVC from storageclass.
- Building, publishing and pulling container image from registry.
- Deploying application on openshift environment using CI/CD.
- Changing an application's self-signed certificate to CA-signed certificate.
- Managing nodes like adding new node, remove node, updating label.
- Stabilizing networking like pod network, isolate project network, router shading and manage ingress controller.
- Resource manage by creating quota, limit range, allocating node resources.
- Pod management like setting pod disruption budgets, limiting pod access with egress.
- Enabling service account authentication and assign scc role to service account.
- Authentication management like ldap based, httpasswd based and etc.
- Monitoring cluster status with ELK , grafana and OCP console.
- Managing container garbage collection.
- Extending the Kubernetes API with custom resources.
- Creating cluster roles for the custom resource definition.
- Taking etcd backup and Restoring OpenShift Container Platform components.

Linux Server Administration:-

- Interrupt the boot process in order to gain access to a system.
- Identify CPU/memory intensive processes and kill processes, Adjust process scheduling.
- Locate and interpret system log files and journals, Preserve system journals.
- List, create, delete partitions on MBR, GPT disks, LVM, STRATIS, VDO.
- Create, mount, unmount, and use vfat, ext4, and xfs file systems.
- Mount and unmount network file systems using NFS.
- Configure IPv4 and IPv6 addresses, Configure hostname resolution.
- Restrict network access using firewall-cmd / firewall.
- Network teaming or bonding to configure aggregated network.
- Set enforcing and permissive modes and list, identify SELinux file and process context.
- Configuring group-managed content, Configure TLS security.
- Configuring a caching-only name server, Troubleshoot DNS client issues.
- Network shares to specific clients, group collaboration, Using Kerberos to control access to NFS network shares.
- Configuring a system to forward all email to a central mail server.
- Synchronize time using other NTP peers.
- Install and configure MariaDB, Backup and restore a data.
- Configuring iSCSI initiators.
- Work with shared storage (iSCSI) and configure multipathing.
- Managing & creating custom container images.

Ansible :-

- Understand core components of Ansible.
- Install and configure an Ansible control node.
- Configuring Ansible managed nodes.
- Creating simple shell scripts that run ad hoc Ansible commands.
- Understand both static and dynamic inventories to define groups of hosts.
- Utilizing an existing dynamic inventory script.
- Ansible plays and playbooks.
- Ansible modules for system administration tasks.
- Create and use templates to create customized configuration files.
- Works with Ansible variables and facts.
- Create and work with roles.
- Manage parallelism.
- Use Ansible Vault in playbooks to protect sensitive data.
- Use provided documentation to look up specific information about Ansible modules and commands.

Technologies / Domain Experience

- Linux
- IaaS
- Cloud Administrator
- Linux Hardening (Project)
- OpenShift Administrator

Language Skills

- English
- Hindi
- Odia

Email: mishraratikanta0@gmail.com

Mobile: +91- 8327746484