

SUHEB SHAIKH

Azure Kubernetes Administrator

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SUMMARY

5+ years of experience in Unix/Linux, Cloud, Big Data Technologies. Skilled in Big Data Hadoop Kubernetes(k8s), Git, and Cloud. I love to contribute, learn & explore new technologies. Currently working with RadiCorp IT Solutions as Big Data Hadoop & Kubernetes Administrator.

PROFESSIONAL EXPERIENCE

Hadoop & Azure Kubernetes Administrator Radicorp IT Solutions

2019–Present

- A result oriented professional with around Total 2+ years of experience in **Kubernetes & Azure**
- Proficient with container systems like Docker and container orchestration like AKS Container Service, **Kubernetes, Rancher**
- Installed Configured Deployed **CDP 7.1.4** Cluster on GCP Cloud Environment
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Managed Kubernetes Cluster through Rancher
- Upgradation AKS Cluster from **1.18 to 1.19**
- Installed **Velero Client/ server** on AKS Cluster to set backup on Namespace level.
- Installed latest version of Rancher v2.6.3 and added all Kubernetes cluster
- Setup Nginx Ingress Controller v1.0.0 to expose service to outside Cluster
- Created Docker container in project environment.
- Build containers using images.
- Node selector and **affinity rule** set up on cluster
- Committing the images from the stationary repository to local repository
- Pushing the images to remote repository
- Pull and push images from remote repository to local repository Git basics -branching, merging and rebasing
- Troubleshooting to clear filesystem in worker node in var/lib/docker
- Deleted docker prune Images, container, volume.
- Pushes images from local to azure container registry
- Managed Backup of namespace and pod level backup
- Having progressive experience to set up alert on cluster and pod/ container level.
- Manages Services, Config Map, Secrets, deployment in K8s.
- Assigned user permission on rancher, registry, project level
- Configured Notifier on Rancher
- Configured rancher and added cluster into it.
- Manages Persistent Volume
- Launching or Creating VM by using PowerShell
- Created VNet and Subnets by using PowerShell

TECHNICAL SKILLS

Azure Kubernetes Administrations
Docker
Velero
Rancher
SSL cert
ACR repo
Git
Power Shell
EC2 Instance
S3 Bucket,
Google cloud / AWS
Azure Cloud

Big Data Hadoop Admin
HDP 2.7.3
CDH 5.16.2
CDP 7.1.4
Kerberos
Ranger

Linux
Redhat 7.x, Centos 7.x, Ubuntu

EDUCATION

MCA
SRTM University _ Nanded

BCA
SRTM University _ Nanded

Role & Responsibilities : -

- Connect AKS /K8s Cluster using kubeconfig file, AZ command
- Created POD through rancher/Yaml File & created new namespace , Project in Rancher
- Applied label on deployment /Pod /Stateful Set/ Daemon Set, Set annotation on deployment & pod level
- Installed docker on linux machine and Image path updated on deployment/pod/Stateful Set/ Daemon Set
- Set label on node and applied node selector & Create secret for registry on namespace
- Fetched pod logs through rancher/ cmd line during troubleshoot & cleared docker/container log file
- Push/Pull images from docker hub to local registry/ASR registry
- Setup Azure database and configured into container.
- Import SSL certificate on ingress, Rancher.
- Deletion of docker images, Deletion of prune container/Volumes/Images, Deleted all evicted pod ,Restarted docker/container
- Extended PVC volume on stateful set deployment, Deleted Persistent Volume
- Set Node down/Pod down/CPU/Memory/Filesystem alert on worker node alert through rancher
- Extended existing PVC volume for deployment/stateful set
- Set permission on Rancher like owner, read, contributor
- Cordon/Uncordon or drain node through Rancher or command line
- Fetching report for all cpu/memory utilization on pod through command, Fetching report for all
- AKS Cluster Upgradation from 1.8 to 1.9

Hadoop Administrator & Support

A J Techsoft Private Limited

Dec'17–Nov'19

- Worked as an Hadoop Administrator, providing support and monitoring for enterprise Hortonworks Data Platform 2.7.3
- Was Responsible for Cluster Monitoring, commissioning and decommissioning Data nodes, Cluster Maintenance, Troubleshooting, and Managing & review Hadoop log files.
- Monitored workload, job performance, and health of the cluster using the Ambari Interface and mainly checking the four resources CPU memory disk usage, and network bandwidth.
- Setup Alerts so they are triggered on specific events, by setting the warning and critical levels.
- Also troubleshoot the issues related to failed, stuck jobs cluster health and raise a ticket to the L2 team for the unresolved issues within the prescribed SLA.
- Setting up new Hadoop users, AD/Kerberos Authentication model.
- Creating and managing ranger policies. .
- Dumping the data from RDBMS to HDFS and vice-versa using Sqoop
- Data migration from production to test cluster using distcp command
- Worked on Identity Access Management (IAM) like Azure permissions, Roles, Policies, User permissions and Groups.
- Installing and configuring application software Linux
- Responsible for setting the Hadoop prerequisite on Linux servers.
- Protecting instances with accidental termination
- Experience with Azure administration, including creating and managing virtual machines, storage accounts, Azure Active Directory
- If the production server is slow, follow-up with the application team and kill the long-running Hadoop process if required.