OpenShift Installation & Administration (Master RedHat)

Objective

Toprovidehands-on training in installing and administering Red Hat OpenShift clusters. This course enables participants to efficiently manage, configure, and troubleshoot OpenShift in real-world environments.

Day 1-2

- Introduction &Architecture.
- Overview of OpenShift & Kubernetes.
- Comparing OpenShift with vanilla Kubernetes.
- Understanding OpenShift components.

Day 3-4

- Installation & Configuration.
- Prerequisites for OpenShift installation.
- Deploying OpenShift (IPI/UPI methods).
- Post-installation setup and verification.

Day 5-6

- ClusterAdministration.
- Managing nodes, pods, and namespaces.
- Configuring authentication (RBAC, LDAP, OAuth).
- Storage management (PVs, PVCs, Storage Classes).

Day 7-8

- Networking & Security.
- OpenShift SDN and network policies.
- Securing clusters (TLS, SCCs, image scanning).
- Monitoring & logging (Prometheus, Grafana, EFK).
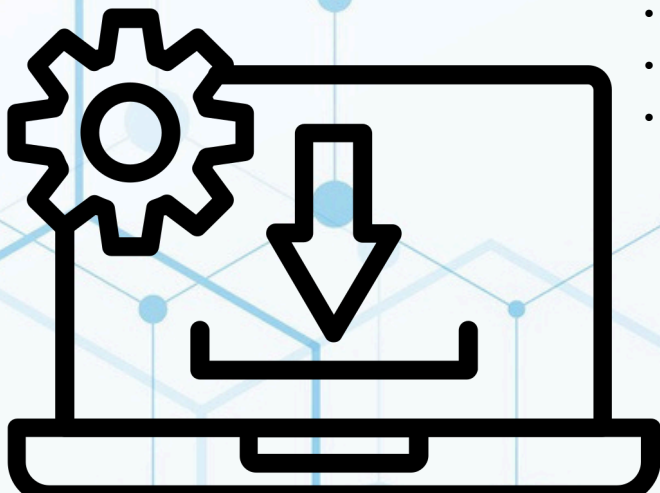
Day 7-8

- CI/CD & Advanced Topics.
- Deploying applications using S2I (Source-to-Image).
- Building CI/CD pipelines with OpenShift Pipelines.
- Auto-scaling and performance optimization.

NEED MORE DETAILS ? :

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