



ABOUT EZEL TECH TRAINING ACADEMY

Ezel Tech offers industry-focused technical training across domains like software development, cloud computing, cybersecurity, AI, and data analytics. With customized curriculums, hands-on learning, and expert-led sessions, both on-premise and virtual formats ensure flexibility. Post-training support and mentorship help professionals stay competitive and drive business success.

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EZEL TECH

Your IT Solutions Partner

COURSE NAME -

OpenShift Installation & Administration
Training Master Red Hat OpenShift

COURSE DETAILS

- ✓ **Duration - 10 Days**
- ✓ **No of Hours - 20 Hours**
- ✓ **Training Type – Classroom Training**

WHY LEARN OPENSIFT

OpenShift is the leading enterprise Kubernetes platform, enabling DevOps, automation, and cloud-native application deployment. Gain hands-on expertise to:

- ✓ **Deploy and manage OpenShift clusters**
- ✓ **Configure networking, storage, and security**
- ✓ **Automate CI/CD pipelines with OpenShift**
- ✓ **Troubleshoot and optimize performance**

KEY BENEFITS

- ✓ **Hands-on labs with real-world scenarios**
- ✓ **Expert trainers with industry experience**

WHO SHOULD ATTEND

- ✓ **DevOps Engineers**
- ✓ **System Administrators**
- ✓ **Cloud Architects**
- ✓ **IT Professionals transitioning to Kubernetes/OpenShift**

COURSE OUTLINE

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

- Cluster Administration
- Managing nodes, pods, and namespaces
- Configuring authentication (RBAC, LDAP, OAuth)
- Storage management (PVs, PVCs, StorageClasses)

DAY 7-8

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

DAY 9-10

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