DO380 - Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise

- **Move from Kubernetes to OpenShift**
    - Demonstrate that OpenShift is Kubernetes by deploying Kubernetes-native applications on OpenShift.

- **Introduce automation on OpenShift**
    - Automate OpenShift administration tasks using bash scripts and Ansible playbooks.

- **Manage operators with OpenShift**
    - Deploy Kubernetes Operators and configure OpenShift cluster operators.

- **Implement GitOps with Jenkins**
    - Implement a GitOps workflow using containerized Jenkins to administer an OpenShift cluster.

- **Configure enterprise authentication**
    - Integrate OpenShift with enterprise identity providers.

- **Configure trusted TLS certificates**
    - Configure OpenShift with trusted TLS certificates for external access to cluster services and applications.

- **Configure dedicated node pools**
    - Configure a subset of the cluster nodes for special workloads.

- **Configure persistent storage**
    - Configure storage providers and storage classes to ensure cluster user access to persistent storage.

- **Manage cluster monitoring and metrics**
    - Configure and manage the OpenShift monitoring stack.

- **Provision and inspect cluster logging**
  - Deploy, query, and troubleshoot cluster-wide logging.

- **Recover failed worker nodes**
  - Inspect, troubleshoot, and remediate worker nodes in a variety of failure scenarios.

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