

DO380- Red Hat OpenShift Administration III
Scaling Deployments in the Enterprise on OCP v4.14

Chapter 1: Authentication and Identity Management

- Section 1.1: The OpenShift OAuth Server and Identity Providers
- Section 1.2: Quiz: The OpenShift OAuth Server and Identity Providers
- Section 1.3: LDAP Authentication and Group Synchronization
- Section 1.4: Guided Exercise: LDAP Authentication and Group Synchronization
- Section 1.5: Guided Exercise: Automate LDAP Group Synchronization
- Section 1.6: OIDC Authentication and Group Claims
- Section 1.7: Guided Exercise: OIDC Authentication and Group Claims
- Section 1.8: Guided Exercise: Solve User Sync Conflicts
- Section 1.9: Token and Client Certificate Authentication with kubeconfig Files
- Section 1.10: Guided Exercise: Token and Client Certificate Authentication with kubeconfig Files
- Section 1.11: Lab: Authentication and Identity Management
- Section 1.12: Summary

Chapter 2: Backup, Restore, and Migration of Applications with OADP

- Section 2.1: Export and Import Application Data and Settings
- Section 2.2: Guided Exercise: Export and Import Application Data and Settings
- Section 2.3: OADP Operator Deployment and Features
- Section 2.4: Guided Exercise: OADP Operator Deployment and Features
- Section 2.5: Backup and Restore with OADP

Section 2.6: Guided Exercise: Backup and Restore with OADP

Section 2.7: Lab: Backup, Restore, and Migration of Applications with OADP

Section 2.8: Summary

Chapter 3: Cluster Partitioning

Section 3.1: Node Pools

Section 3.2: Quiz: Node Pools

Section 3.3: Node Configuration with the Machine Configuration Operator

Section 3.4: Guided Exercise: Node Configuration with the Machine Configuration

Operator

Section 3.5: Node Configuration with Special Purpose Operators

Section 3.6: Guided Exercise: Node Configuration with Special Purpose Operators

Section 3.7: Lab: Cluster Partitioning

Section 3.8: Summary

Chapter 4: Pod Scheduling

Section 4.1: Pod Scheduling Concepts

Section 4.2: Quiz: Pod Scheduling Concepts

Section 4.3: Quiz: Pod Scheduling Scenarios

Section 4.4: Node Selectors and Taints

Section 4.5: Guided Exercise: Node Selectors and Taints

Section 4.6: High Availability with Affinity Rules and Pod Disruption Budgets

Section 4.7: Guided Exercise: High Availability with Affinity Rules and Pod Disruption

Budgets

Section 4.8: Lab: Pod Scheduling

Section 4.9: Summary

Chapter 5: OpenShift GitOps

Section 5.1: GitOps for Kubernetes

Section 5.2: Quiz: GitOps for Kubernetes

Section 5.3: GitOps for Cluster Administration

Section 5.4: Guided Exercise: GitOps for Cluster Administration

Section 5.5: GitOps for Application Management

Section 5.6: Guided Exercise: GitOps for Application Management

Section 5.7: Lab: OpenShift GitOps

Section 5.8: Summary

Chapter 6: OpenShift Monitoring

Section 6.1: Cluster Monitoring

Section 6.2: Guided Exercise: Cluster Monitoring

Section 6.3: Alerts and Notifications

Section 6.4: Guided Exercise: Alerts and Notifications

Section 6.5: Lab: OpenShift Monitoring

Section 6.6: Summary

Chapter 7: OpenShift Logging

Section 7.1: Log Forwarding

Section 7.2: Guided Exercise: Log Forwarding

Section 7.3: Centralized Logging

Section 7.4: Guided Exercise: Centralized Logging

Section 7.5: Lab: OpenShift Logging

Section 7.6: Summary

Chapter 8: Comprehensive Review

Section 8.1: Comprehensive Review

Section 8.2: Lab: Cluster Administration