

Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise with Exam

Varighed: 5 Days Kursus Kode: DO381 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

Plan, implement, and manage OpenShift clusters at scale

Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability. This course builds upon the essential skills required to configure and manage an OpenShift 4.x cluster, teaching the enhanced skills needed to operate production environments at scale.

This course is based on Red Hat® OpenShift Container Platform 4.14.

Note: This reference is offered as a five day virtual class or self-paced. This reference is a Bundle of DO380 course and EX380 Exam voucher. Updated July 2025

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Målgruppe:

Primary: Platform Engineers, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for implementing and managing infrastructure for applications. Secondary: Enterprise Architects, Site Reliability Engineers (SRE), DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.

Agenda:

- After this course participants should be able to:
- Query and visualize cluster-wide logs, metrics, and alerts.
- Manage OpenShift cluster operators and add operators.
- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).
- Implement GitOps workflows using OpenShift GitOps operator.
- Manage machine pools and machine configurations.
- Integrate OpenShift with enterprise authentication.

Forudsætninger:

This course is an advanced course so prerequisite knowledge is required

- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) and become a Red Hat Certified Specialist in OpenShift Administration or equivalent practice knowledge
- Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator or equivalent practice knowledge.

Recommended, but not required:

- Become a Red Hat Certified Systems Engineer or a Red Hat Certified Specialist in Ansible Automation.
- Basic knowledge about writing and running Ansible playbooks is desired.

Test og certificering

Associated exam included: Red Hat Certified Specialist in OpenShift Automation and Integration (EX380)

- DO180 - Red Hat OpenShift Administration I: Operating a Production Cluster
- DO280 - Red Hat OpenShift Administration II: Configuring a Production Cluster

Yderligere Kurser:

- Red Hat OpenShift Installation Lab (DO322)
- Multicloud Management with Red Hat OpenShift Platform Plus (DO480)
- Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation (DO370)
- Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)
- DO425 - Red Hat Security: Securing Containers and OpenShift

Indhold:

Authentication and Identity Management

- Configure OpenShift clusters to authenticate by using LDAP and OIDC enterprise identity systems and to recognize groups that those systems define.

Backup, Restore, and Migration of Applications with OADP

- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).

Cluster Partitioning

- Configure a subset of cluster nodes to be dedicated to a type of workload.

Pod Scheduling

- Configure workloads to run on a dedicated set of cluster nodes and prevent other workloads from using those cluster nodes.

OpenShift GitOps

- Deploy OpenShift GitOps for managing clusters and applications.

OpenShift Monitoring

- Troubleshoot performance and availability issues with applications and clusters.

OpenShift Logging

- Deploy OpenShift logging and query log entries from workloads and cluster nodes.

Additional Information:

Official course book provided to participants.
Exam voucher for EX380 with a free retake provided to participant

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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