

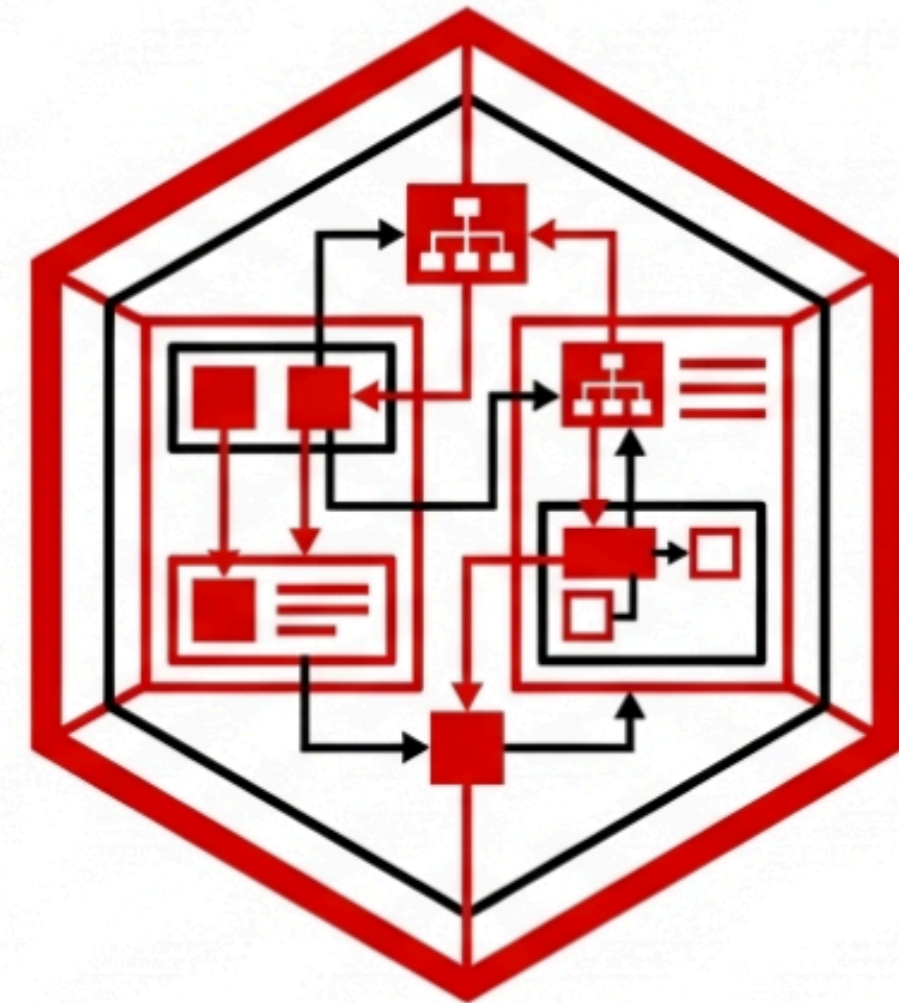
Red Hat OpenShift Administration II

Configuring a Production Cluster

Course Code: D0280

Exam Code: EX280

Strategic Positioning and Production Cluster Administration



Contents

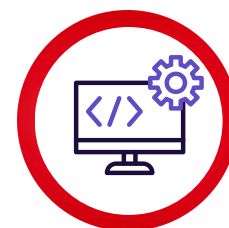
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ABOUT US

CubenSquare drives digital transformation by delivering expert IT solutions across industries, including banking, retail, healthcare, logistics, and more. Specializing in Red Hat OpenShift, cloud-native technologies, DevOps automation, and AI innovations, we help businesses modernize operations, enhance customer experiences, and accelerate growth.

From IT support and consulting to custom software development and corporate training, CubenSquare is your trusted partner for seamless integration of intelligent technologies. We enable organizations to harness AI, automation, and scalable cloud platforms —empowering them to thrive in an evolving digital landscape.

Core Business Units



Software Development: Designing and developing scalable, secure, and high-performance software solutions.



IT Consultation : Advisory and modernization consulting for enterprises navigating digital transformation.



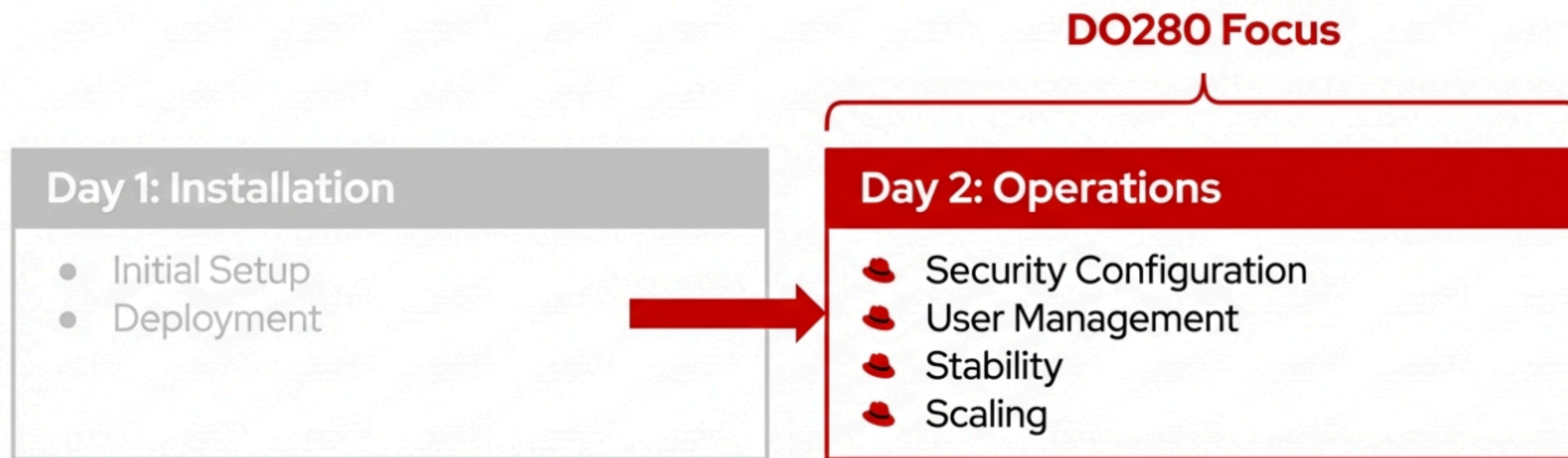
IT Support Services : Comprehensive managed services ensuring performance, security, and business continuity.



IT Training & Certification : Hands-on training in DevOps, Cloud, RedHat, Cybersecurity, and AI to build real-world skills.

Transitioning from Installation to Production Operations

Installing a Kubernetes cluster is a distinct discipline from managing one. DO280 is designed to move administrators beyond basic deployment into the realities of Day 2 operations.



The Path to Modern OpenShift Platform Operations

The Training (DO280)

Prepares administrators to configure, secure, and manage production OpenShift clusters.

- Multi-tenant configuration
- Authentication and RBAC enforcement
- Network security policies
- Operator lifecycle management
- Secure application exposure
- Production cluster updates

The Validation (EX280)

A performance-based certification validating real-world cluster administration skills.

- 3-hour hands-on exam
- Live OpenShift cluster environment
- CLI and Web Console access
- No internet access
- Real administrative tasks

Validate enterprise-grade OpenShift administration skills for secure and reliable production environments.

Modern Kubernetes Without Platform Fragmentation

Operate secure, multi-tenant OpenShift clusters without infrastructure silos.



Operational Stability

Maintain reliable clusters with controlled updates and lifecycle management.



Multi-Tenant Governance

Enable developer self-service with RBAC, quotas, and namespace isolation.



Security & Compliance

Implement authentication, network policies, and workload security best practices.



Production Readiness

Deploy and manage enterprise workloads confidently in OpenShift.

Build secure, scalable, and production-ready Kubernetes platforms with Red Hat OpenShift.

Red Hat OpenShift Administration II: Configuring a Production Cluster

DO280 | EX280

 Red Hat

Red Hat Certified

OpenShift Administrator

COURSE OVERVIEW

Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280) prepares OpenShift Cluster Administrators to perform daily administration tasks on clusters that host applications provided by internal teams and external vendors, enable self-service for cluster users with different roles, and deploy applications that require special permissions such as CI/CD tooling, performance monitoring, and security scanners. This course focuses on configuring multi-tenancy and security features of OpenShift as well as managing OpenShift add-ons based on operators.

Key Learning Outcomes:

- ✓ Configure and secure OpenShift clusters for production workloads.
- ✓ Enable multi-tenant access and developer self-service.
- ✓ Manage operators, networking, authentication, and cluster updates.

COURSE DETAILS

Course Name	Red Hat OpenShift Administration II: Configuring a Production Cluster
Duration	5 Days (40 Hours)
Format	Instructor-Led with Hands-On Labs
Level	Advanced / Specialist
Included	✓ Red Hat Ebook ✓ Certification Exam ✓ 1 Exam Retake* ✓ Redhat Lab

**Terms and conditions apply.*



Course Outline

Configure and manage OpenShift clusters to maintain security and reliability across multiple applications and development teams.

01. Declarative Resource Management	02. Deploy Packaged Applications
03. Authentication and Authorization	04. Network Security
05. Expose non-HTTP/SNI Applications	06. Enable Developer Self-Service
07. Manage Kubernetes Operators	08. Application Security
09. OpenShift Updates	10. Exam

CERTIFICATION

EX280

Red Hat

Red Hat Certified

OpenShift Administrator

Format	Hands-on Lab Exam
Duration	3 Hours
Retake	1 Exam Retake FREE
★ Contributes to RHCA Path	

WHO SHOULD ATTEND

- ✓ OpenShift / Kubernetes Administrators
- ✓ DevOps & Site Reliability Engineers
- ✓ Infrastructure & Cloud Platform Engineers
- ✓ Professionals preparing for EX280 certification

Standard

- The exam is a performance based evaluation of candidates
- No Internet Access, no notes, Real world tasks only

Preparation Strategy



The Golden Rule: Attendance in class does not guarantee success. Experience is key.

1. **Attend DO280:** For structured, hands-on learning of the syllabus.
2. **Hands-on Practice:** Focus on the “Study Points” (Multus, OADP, Live Migration) in a lab environment.
3. **Review Objectives:** Ensure familiarity with every task listed in the official **EX280** objectives.



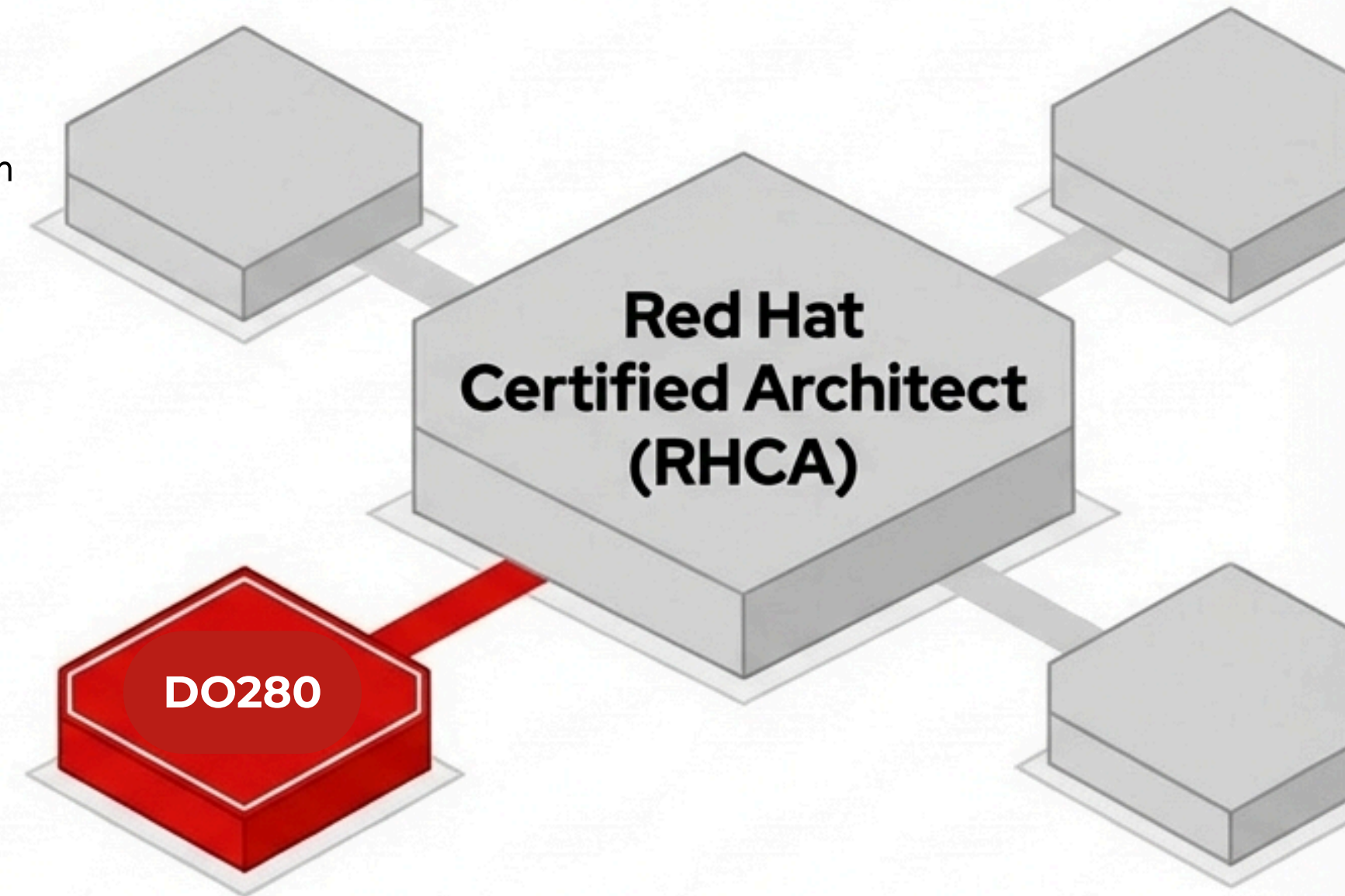
Note: Internet access is NOT provided during the exam. Memorize the workflows, not the commands.



The Career Advantage

- ✓ Validate your skills in managing production OpenShift clusters.
- ✓ Qualify for high-demand roles in Kubernetes, DevOps, and Platform Engineering.
- ✓ Gain hands-on expertise in cluster security, networking, and operations.
- ✓ Strengthen your path toward Red Hat Certified Architect (RHCA).

Relevant Roles : OpenShift Cluster Administrator | Kubernetes Administrator | Platform Engineer | DevOps Engineer | SRE | Cloud Operations Engineer



Counts as 1 of 5 exams required for RHCA.

Why Choose CubenSquare for OpenShift Enablement

- ✓ **Instruction by Red Hat Certified Architects:**
Delivered by Redhat Certified Architect and Redhat Certified Professionals
- ✓ **End-to-End Delivery Expertise:** Our knowledge is built on real-world consulting, implementation, and migration projects.
- ✓ **Combined Training + Implementation Capability:** We don't just teach the theory; we actively build and manage OpenShift platforms.
- ✓ **Intense Hands-On Lab Focus:** We emphasize practical skills that your team can apply immediately.
- ✓ **Post-Training Support and Mentoring:** We provide ongoing guidance to ensure your team's success after the course.

REAL-WORLD CASE STUDIES

Success Stories & Next Steps



Retail Scalability

Optimized cluster resources, autoscaling, and rolling updates for peak sales traffic.

Result: Zero downtime and 40% faster deployments.



Production Cluster Hardening

Configured RBAC, network policies, and resource quotas for a banking OpenShift cluster.

Result: Improved security posture and reduced deployment incidents by 35%.



Multi-Tenant Enterprise Platform

Implemented namespace isolation, quotas, and monitoring for shared clusters.

Result: Secure tenant separation and 25% reduction in operational overhead

READY TO START?

Advance your Career with Redhat Openshift



Enroll in DO280



Get EX280 Certified



Build Your Future



Redhat Certification Roadmap

Phase 1

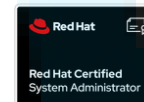
RHCSA

System Administrator

Red Hat System Admin

RH199 | EX200

Skills: Linux fundamentals, users, storage, networking



Phase 2

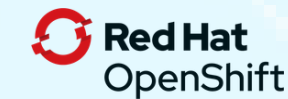
Openshift Admin

Core Administrator

Red Hat OpenShift Administrator II

DO280 | EX280

Skills: Cluster admin, security, networking, storage



Phase 3

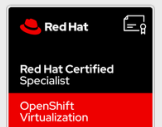
Virt Specialization

Virt & Multicloud

Virt Specialisation

Skills: Run VMs on OpenShift

EX316



RHCE

Certified Engineer

Red Hat Enterprise Linux Automation with Ansible

RH294 | EX294

Skills: Ansible automation, configuration management



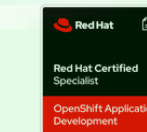
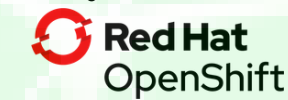
Application Developer

Openshift Developer

Red Hat Certified OpenShift Application Developer

DO288 | EX288

Skills: Advanced builds & deployments, runtime config, app lifecycle



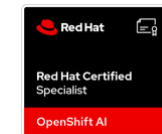
AI Specialist

AI

Red Hat Certified Specialist in OpenShift AI

AI267 | EX267

Skills: AI/ML workloads on OpenShift



Containers & Kubernetes Specialist

Specialist

Red Hat OpenShift I – Containers & Kubernetes

DO188 | EX188

Skills: Podman, images, containers



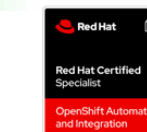
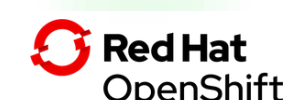
Automation Specialist

Integration

Red Hat OpenShift Administrator III

DO380 | EX380

Skills: GitOps, pipelines, CI/CD automation



RHCA

Red Hat Certified Architect

Requirements:

Achieve RHCE + any 5 Specialist certifications



Support from CubenSquare

We're with you at every step of your learning journey



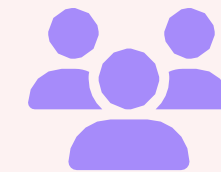
Mentoring

Personal guidance from industry experts who help you overcome roadblocks and accelerate your learning



Mock Interview

Resume building, interview preparation, and MOCK interviews



Job Assistance

Every Friday
CubenSquare team will share a job links through WhatsApp and email



Live Doubt-Solving

Real-time support sessions to clear your technical doubts and solve coding challenges instantly

RED HAT OPENS SHIFT ADMIN II

Operating a Production Kubernetes Cluster



FEATURES	DO280 STANDALONE COURSE	DO280LS LEARNING SUB	RHLS Standard SUBSCRIPTION	RHLS Premium FULL ACCESS + LIVE
Subscription Length	4 Days	1 Year	1 Year	1 Year
Access Scope	Single Course	Single Course	Full Catalog	Full Catalog
Delivery Method	Live Instructor-led CubenSquare	Recorded	Self-paced	Self-paced + Live Instructor-led
Hands-on Labs	~45 Hours	100 Hours	400 Hours	400 Hours
Exam Attempts	1 Exam + 1 Retake	2 Attempts	5 Exams + 5 Retakes	5 Exams + 5 Retakes
Tech Coverage	OpenShift	OpenShift	Full Red Hat Stack	Full Red Hat Stack

RedHat Openshift



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Contact us to schedule a consultation or **book your team's training session.**