DevOpsSchool

Course curriculum · November 2026

OPENSHIFT · CERTIFICATION-FOCUSED PROGRAM

Red Hat Certified Specialist in OpenShift Administration Training

A practical, hands-on Red Hat Certified Specialist in OpenShift Administration Training curriculum: 117 topics over 5 days. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE Max 8-10 hours	**CORPORATE** Private team batch, on demand	**SELF-PACED VIDEO** 1-year LMS access
BATCH SIZE Max 10 learners	**NEXT BATCHES** 1st of every month · weekends: first Saturday	**CERTIFICATE** Verifiable certificate of completion

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	117 topics over 5 days
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/openshift/redhat-certified-specialist-openshift-administration-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether Red Hat Certified Specialist in OpenShift Administration Training matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

Preparing for the exam? This course follows the official exam objectives and includes mock exams. DevOpsSchool is an independent training provider and is not affiliated with Red Hat.

AGENDA AT A GLANCE · 117 TOPICS OVER 5 DAYS

Day 1
31 topics · Course Overview

Day 2
29 topics · Users in OpenShift Cluster

Day 3
24 topics · Configuring OpenShift Networking Components

Day 4
14 topics · Pod Scheduling

Day 5
19 topics · Limiting Resource Usages

AGENDA · 117 TOPICS OVER 5 DAYS

Red Hat Certified Specialist in OpenShift Administration Training agenda

Days are for corporate (day-wise) delivery; live online batches cover the agenda in max 8-10 hours.

DAY 1

31 topics

1. Course Overview
2. Understanding Containers and OpenShift
3. Module Overview
4. Understanding Container Architecture
5. Understanding OpenShift Architecture
6. Setting up the Lab Environment
7. Deploying and Managing Containers
8. Creating Containerized Services
9. Managing Containers
10. Managing Container Images
11. Troubleshooting Containerized Applications
12. Demo: Deploying an Apache Web Server
13. Demo: Managing an Apache Web Server Image
14. Building Custom Container Images
15. Demo: Building a Custom Apache Image
16. Deploying Applications on OpenShift
17. Use Product Documentation
18. Deploy Containerized Applications
19. Managing OpenShift Applications
20. Deploy Multi-container Applications
21. Demo: Deploy an HTTPD Service on OpenShift
22. OpenShift Projects
23. Demo: Deploy a WordPress Application on OpenShift with a Template
24. Working with OpenShift Resources and Information Gathering
25. OpenShift Resources
26. Managing Resources and Investigating Logs
27. Demo: Working with OpenShift Resources
28. Demo: Working with OpenShift Logs
29. Using the OpenShift Web Console
30. The OpenShift Web Console
31. Demo: Deploying a CakePHP App Using the Web Console

DAY 2

29 topics

32. Users in OpenShift Cluster
33. Module Overview
34. Users in OpenShift

35. Users of Red Hat CRC
36. Demo: Accessing OpenShift Cluster
37. Identity Providers
38. Configuring HTPasswd Identity Provider
39. Demo: Configuring HTPasswd Identity
40. Demo: Deleting a User
41. Summary
42. Manage Users and Groups in Our Cluster
43. Demo: Updating User Password
44. Manage User Permissions
45. Demo: Applying User Permissions
46. Managing User Groups
47. Demo: Creating User Groups
48. Demo: Deleting User Group Permissions
49. Manage Access Control in OpenShift
50. Role-based Access Control
51. Roles in OpenShift Cluster
52. Demo: Assigning Edit Privileges
53. Demo: Creating Local Roles
54. Demo: Self-provisioners
55. Customized Roles
56. Secrets in OpenShift
57. Demo: Creating Secrets in OpenShift
58. Service Accounts in OpenShift
59. Security Context Constraints
60. Demo: Modifying Security Context Constraints

DAY 3 24 topics

61. Configuring OpenShift Networking Components
62. Module Overview
63. Demo: Setting up the Lab Environment
64. OpenShift Routes
65. Demo: Create and Edit Routes
66. Certificates
67. Demo: Create a Self-signed Certificate
68. Secure Routes
69. Demo: Creating Secure Routes
70. Software-defined Networking
71. Demo: Troubleshooting SDN
72. Control Network Ingress
73. Demo: Control Network Ingress through Policies

74. Module Summary
75. Managing OpenShift Storage
76. Static Persistent Storage
77. The Storage Lifecycle
78. Managing PVs and PVCs
79. Dynamic Persistent Storage
80. Demo: Working with PVs and PVCs
81. Demo: Mounting Persistent Storage
82. Demo: Working with Dynamic Persistent Storage
83. Ephemeral Storage
84. Demo: Managing Ephemeral Storage

DAY 4 — 14 topics

85. Pod Scheduling
86. Module Overview
87. Pod Scheduling Using Node Selector
88. Demo: Pod Scheduling Using Node Selector
89. Pod Scheduling Using Affinity Rules
90. Demo: Pod Scheduling Using Affinity Rules
91. Pod Scheduling Using Taints and Tolerations
92. Demo: Pod Scheduling Using Taints and Tolerations
93. Module Summary
94. Pod Scaling
95. Manual Scaling of Pods
96. Demo: Manual Scaling
97. Auto Scaling of Pods
98. Demo: Auto Scaling of Pods

DAY 5 — 19 topics

99. Limiting Resource Usages
100. Module Overview
101. Limits and Requests
102. Demo: Limits and Requests
103. Quotas
104. Demo: Resource Quota
105. Demo: Cluster Resource Quota
106. Limit Ranges
107. Applying Templates
108. Demo: Templates
109. Summary

110. Cluster Scaling
111. Monitoring Node Health
112. Machine API Operator
113. Manual Cluster Scaling
114. Demo: Manual Cluster Scaling
115. Cluster Autoscaling
116. Demo: Cluster Autoscaling
117. Module Summary

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
Red Hat Certified Specialist in OpenShift Administration Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com

More OpenShift training: www.devopsschool.com/courses/openshift/