Creating and Configuring Production ROSA Clusters (CS220)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: CS220

Course Overview

Create and configure production-grade ROSA clusters as part of a larger AWS customer’s footprint. Creating and Configuring Production ROSA Clusters (CS220) teaches how to configure ROSA clusters as part of pre-existing AWS environments and how to integrate ROSA with AWS services commonly used by IT operations teams, such as Amazon CloudWatch.

About This Course

Create and configure production-grade ROSA clusters as part of a larger AWS customer’s footprint. Creating and Configuring Production ROSA Clusters (CS220) teaches how to configure ROSA clusters as part of pre-existing AWS environments and how to integrate ROSA with AWS services commonly used by IT operations teams, such as Amazon CloudWatch.

Who Should Attend

- Platform Engineers, Cloud Administrators, System Administrators and other infrastructure-related IT roles who are responsible for providing and supporting infrastructure for applications deployed on AWS.
- Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications deployed on AWS

Prerequisites & Entry Requirements

General Prerequisites:

- CS120 - Introduction to Red Hat OpenShift Service on AWS or equivalent experience: “I know how to create and access a public ROSA cluster.”
- AWS administration at the level of either AWS Certified SysOps Administrator - Associate or AWS Certified Solutions Architect - Associate, or equivalent experience: “I know how to manage AWS infrastructure services.”

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Create ROSA STS PrivateLink clusters Connect PrivateLink ROSA clusters to existing VPCs and enable administrators and developers to access those clusters Configure dedicated machine pools and node/pod autoscaling Configure node, cluster, and audit log forwarding to Amazon CloudWatch Configure authentication and group sync with Amazon Cognito

Detailed Course Outline

1 - Private Red Hat OpenShift on AWS (ROSA) Clusters

- Create a PrivateLink ROSA cluster with STS and enable developers or administrators to access the API and router endpoints of the cluster.

2 - Node and Pod Autoscaling

- Configure a ROSA cluster and a workload to dynamically scale the number of cluster nodes and application pods according to load.

3 - Monitor ROSA Clusters with Amazon CloudWatch

- Configure ROSA clusters to forward logs to Amazon CloudWatch for long-term storage, aggregation, and analysis, and to authenticate OpenShift users by using Amazon Cognito.

Frequently Asked Questions

Q: What delivery options are available for Creating and Configuring Production ROSA Clusters (CS220)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the CS220 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Creating and Configuring Production ROSA Clusters (CS220) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Creating and Configuring Production ROSA Clusters (CS220) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Creating and Configuring Production ROSA Clusters (CS220)?

Yes, we provide corporate training, dedicated training, and closed classes for Creating and Configuring Production ROSA Clusters (CS220). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Creating and Configuring Production ROSA Clusters (CS220)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Creating and Configuring Production ROSA Clusters (CS220) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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