

CS220

Creating and Configuring Production ROSA Clusters

Course Description

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.

Recommended training

- [DO120 - Introduction to Red Hat OpenShift on AWS \(ROSA\)](#) 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.”
- Basic knowledge of OpenShift from [DO080 Technical Overview](#): “I know basic concepts of OpenShift and containers.”

Course Outline

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.

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.

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.