

# 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.