# Red Hat OpenShift Installation Lab (DO322) Training

Duration: **3 Day**

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**Installing OpenShift on a cloud, virtual, or physical infrastructure.**

Red Hat OpenShift Installation Lab (DO322) teaches essential skills for installing an OpenShift cluster in a range of environments, from proof of concept to production, and how to identify customizations that may be required because of the underlying cloud, virtual, or physical infrastructure.

This course is based on Red Hat OpenShift Container Platform 4.6.

## Who Should Attend

- Cluster administrators (Junior systems administrators, junior cloud administrators) interested in deploying additional clusters to meet increasing demands from their organizations.
- Cluster engineers (Senior systems administrators, senior cloud administrators, cloud engineers) interested in the planning and design of OpenShift clusters to meet performance and reliability of different workloads and in creating work books for these installations.
- Site reliability engineers (SREs) interested in deploying test bed clusters to validate new settings, updates, customizations, operational procedures, and responses to incidents.

## What You Will Learn

- Validate infrastructure prerequisites for an OpenShift cluster.
- Run the OpenShift installer with custom settings.
- Describe and monitor each stage of the OpenShift installation process.
- Collect troubleshooting information during an ongoing installation, or after a failed installation.
- Complete the configuration of cluster services in a newly installed cluster.

## Training Outline

Describe the OpenShift Installation Process
: Describe and compare the Full Stack Automation and Pre-existing Infrastructure installation methods.

Install OpenShift in a Cloud Provider
: Provision OpenShift clusters on Infrastructure-as-a-Service (IaaS) cloud providers, with common customizations, using the Full-Stack Automation installation method.

Install OpenShift on a Virtualized Environment
: Provision OpenShift clusters on hypervisors, with common customizations, using the Full-Stack Automation and the Pre-existing Infrastructure installation methods.

Plan to Install OpenShift without an Infrastructure Provider
: Configure the prerequisites for provisioning OpenShift clusters without integration with the underlying infrastructure.

Install OpenShift without an Infrastructure Provider
: Provision OpenShift clusters without integration with the underlying infrastructure.

Complete the Installation of OpenShift without an Infrastructure Provider
: CPerform essential tasks that are required before onboarding users and applications on a newly provisioned OpenShift cluster.

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