

Distance Learning Program – OpenShift infrastructure

What is it?

This Distance Learning Program is designed to show attendees the benefits, the architecture, the installation, and the operational management of Red Hat's Container Platform OpenShift.

Attendees learn during these five weeks how to present, design, and architect an OpenShift installation on-premise and to install it in different public clouds.



Expected results:

After attending the Distance Learning Program, you will know how to architect and install an OpenShift environment, explain CRI-O, Istio, and other "state of the art" tools to manage, observe and meter OpenShift.

You will also be able to explain the integration of development tools, the options, and how to install applications from other vendors on OpenShift (e.g. IBM, SAP, Microsoft).

Audience:

- ▶ Sales Engineers & Delivery

The Distance Learning Program covers:

- ▶ Kubernetes, OpenShift Architecture and best practice
- ▶ Installation and management
- ▶ Backup, Restore and Disaster recovery
- ▶ Networking, Storage & Container Runtime Features (CRI-O)
- ▶ Modern registry implementation (QUAY)
- ▶ Virtualization (CNV)
- ▶ Observability
- ▶ Running on different Platforms
- ▶ Bare Metal
- ▶ Private Cloud
- ▶ IBM Power and IBM Linux One
- ▶ How to build a personal "playground"
- ▶ A brief introduction to Cloud-Native, service mesh development and Red Hat's Open Hybrid Cloud solutions.

Registration

For registration (Red Hat Partner Training Portal) you need to have an active Red Hat Partner Connect Account.

Prerequisites

- ▶ Attendees need some basic understanding of Linux, Networking, and Container environments.
- ▶ You need to have an active Red Hat Partner Account to access the Partner Training Portal for homework and hands-on experiences. If you do have questions in regards to this please [check our "How to Guide"](#) or contact the EMEA Partner Team emea-partner-team@redhat.com.

How is the OpenShift Infrastructure Architecture Distance Learning Program set up?

The Distance Learning Program is designed for 5 weeks. There is a 2-hour webinar each week and 4-6 hours of content in the Partner Training Portal to be completed per week.

The core weeks are laid out as follows:

Week 1	OpenShift Architecture	55 minutes
	Core-OS Cri-O and the Operator Framework	30 minutes
	Introduction into Self Learning Environments	25 minutes
	Homework: Red Hat OpenShift 4 Foundations	
Week 2	Open Hybrid Cloud / OCP on Hyperscalers	40 minutes
	HyperShift	15 minutes
	Advanced Cluster Management	55 minutes
	Homework: Red Hat OpenShift 4 Foundations (continue)	
Week 3	OpenShift Storage Foundation	55 minutes
	Quay Enterprise Registry	30 minutes
	OpenShift Virtualisation	25 minutes
	Homework: Red Hat OpenShift Installation Lab (DO322)	
Week 4	Security at a glance	55 minutes
	Advanced Container Security for Kubernetes	55 minutes
	Homework: Red Hat Advanced Cluster Management for Kubernetes Foundations	
Week 5	IoT and AI/ML with OpenShift	55 minutes
	Cloud-Native and ISTIO (Service Mesh) in a Nutshell	25 minutes
	What's Coming in OpenShift (2022 Roadmap review)	30 minutes



About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

f facebook.com/redhatinc
t @RedHat
in linkedin.com/company/red-hat

North America
1 888 REDHAT1
www.redhat.com

**Europe, Middle East,
and Africa**
00800 7334 2835
europe@redhat.com

Asia Pacific
+65 6490 4200
apac@redhat.com

Latin America
+54 11 4329 7300
info-latam@redhat.com