



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# IBM Cloud Pak for Data: Administration

**CODE:** 6XA100G    **DURÉE:** 6 Hours    **PRIX H.T.:** €229.00

## Description

The course takes the learner through the journey of learning about Kubernetes and OpenShift as the platform for Cloud Pak for Data. The course focuses on the Day 2 Operations of managing the Cloud Pak for Data platform once it has been installed. The course goes through the administration of the OpenShift web console, the Cloud Pak for Data web client and the cluster, including scaling services, backup and restore, and disaster recovery. Additional Day 2 Operations include troubleshooting the components of the cluster, monitoring, and metering. The scope of this course is the administrative capabilities of Cloud Pak for Data and the related OpenShift capabilities required to perform those functions. For deeper learning on OpenShift administration, refer to the Red Hat OpenShift Administration course.

**NOTE:** This offering is part of the Digital Learning Subscription and provides the learner with the course content as soon as they are developed. The course is divided into units, which are released as soon as they are ready allowing for immediate learning. The learner can subscribe to the course forum to be notified when a new unit is released.

## Objectifs

Introduction to Kubernetes and Red Hat OpenShift  
Perform administration tasks in the Cloud Pak for Data web client  
Perform basic administration tasks in the Red Hat OpenShift web console  
Perform administration tasks on the Cloud Pak for Data Cluster  
Troubleshoot Cloud Pak for Data cluster problems  
Perform monitoring and metering operations on the Cloud Pak for Data cluster

## Audience

Cloud Pak for Data Administrators

## Prérequis

Foundational knowledge of IBM Cloud Pak for Data or you have taken the IBM Cloud Pak for Data: Foundations course.

## Programme

Introduction to Kubernetes and Red Hat OpenShift  
Describe the basic concepts of Kubernetes and OpenShift  
Explain the overall OpenShift architecture  
Describe the components of the architecture  
Describe the difference between resource quotas, limits and requests  
Identify the Day 2 Operations  
Perform administration tasks in the Cloud Pak for Data web client  
Manage users, roles and permissions  
Manage and monitor resource deployments on the cluster  
Manage pods  
Gather diagnostic information for troubleshooting and support  
Manage Watson Studio environments and notebooks  
Perform basic administration tasks in the Red Hat OpenShift web console  
Overview of the web console  
Access the web console and view cluster information  
Manage Pods  
Manage Routes  
Manage Nodes  
Perform administration tasks on the Cloud Pak for Data Cluster  
Scale services on the cluster  
Backup, restore, and disaster recovery operations  
Add nodes to a cluster (OpenShift)  
Migrate Cloud Pak for Data metadata and clusters  
Troubleshoot Cloud Pak for Data cluster problems  
Verify nodes' health  
Troubleshoot pods and image registry  
Inspect Portworx volumes  
Obtain utilization metrics  
Troubleshoot cluster operators  
Restart OpenShift clusters  
Perform monitoring and metering operations on the Cloud Pak for Data cluster  
Perform monitoring and metering operations on the OpenShift Console  
Configure OpenShift Monitoring  
Enable email alerts  
Describe the Container Licencing and Licence Service  
Audit Cloud Pak for Data

## Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
01 Jan 0001			English	Web based Training		€229.00

## **Informations Complémentaires**

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.