IBM Cloud Pak for Watson AIOps Installation

TN403 (Classroom)

ZN403 (Self-paced)

Course description

IBM Cloud Pak for Watson AIOps deploys advanced, explainable AI across the IT Operations (ITOps) toolchain so that you can confidently assess, diagnose, and resolve incidents across mission-critical workloads.

IBM Cloud Pak for Watson AIOps brings the depth and breadth of IBM’s enterprise expertise to managing complex, mission-critical IT environments. IBM Cloud Pak for Watson AIOps helps you apply AI to IT operations to maximize efficiency, reduce costs, and maintain the resiliency and security you need to drive meaningful innovation.

This course is designed to teach you how to install the IBM Cloud Pak for Watson AIOps. You also learn how to prepare your environment for installation and to perform some post-installation tasks.

For information about other related courses, see the IBM Training website:

**ibm.com**/training

General information

Delivery method

Classroom or self-paced virtual classroom (SPVC)

Course level

ERC 1.0

Product and version

IBM Cloud Pak for Watson AIOps version 3.3.2

Audience

This course is intended for administrators and operators responsible for installing and managing containerized environments.

Learning objectives

After completing this course, you should be able to:

* Describe key features of IBM Cloud Pak for Watson AIOps
* Explain IBM Cloud Pak for Watson AIOps architecture
* Understand OpenShift concepts and terminology
* Prepare your cluster for installation
* Install the Cloud Pak for Watson AIOps operators
* Deploy an instance of AI Manager
* Deploy an instance of Event Manager
* Verify your installation
* Install the Event Manager Gateway
* Perform post-installation tasks

Prerequisites

* Experience with Linux
* Working knowledge of Kubernetes
* Experience with Red Hat OpenShift Container platform (RHOCP)

Duration

1 day

Skill level

Intermediate

Notes

The following unit and exercise durations are estimates, and might not reflect every class experience. If the course is customized or abbreviated, the duration of unchanged units will probably increase.

Course agenda

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| Course introductionDuration: 15 minutes |

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| Unit 1. IBM Cloud Pak for Watson AIOps overviewDuration: 1 hour |
| Overview | In this unit you learn about the IBM Cloud Pak for Watson AIOps, including architecture, key features, and how the Cloud Pak solves IT problems. |
| Learning objectives | After completing this unit, you should be able to:* Understand how machine learning applies to IT operations problems
* Describe key features of IBM Cloud Pak for Watson AIOps
* Explain IBM Cloud Pak for Watson AIOps architecture
* Understand OpenShift concepts and terminology
* Become familiar with your lab environment
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| Exercise 1. About your lab environmentDuration: 30 minutes |
| Overview | This exercise covers how to log in to your Red Hat OpenShift cluster and verify that it is ready for the lab exercises. You also learn how to use this lab exercise guide and your lab environment |
| Learning objectives | After completing this exercise, you should be able to:* Start your cluster
* Log in to your cluster with command line tools
* Log in to the OpenShift web console
* Verify that your cluster is ready for Cloud Pak installation
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| Unit 2. Installing IBM Cloud Pak for Watson AIOps AI ManagerDuration: 45 minutes |
| Overview | This unit describes how to install the AI Manager components within the IBM Cloud Pak for Watson AIOps. |
| Learning objectives | After completing this unit, you should be able to:* Install the AI Manager operators
* Deploy an instance of AI Manager
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| Exercise 2. Installing IBM Cloud Pak for Watson AIOps AI ManagerDuration: 2 hours and 30 minutes |
| Overview | In these exercises, you install the AI Manager components within the IBM Cloud Pak for Watson AIOps. |
| Learning objectives | After completing this exercise, you should be able to:* Prepare your cluster for installation
* Verify your cluster meets all prerequisites
* Install the AI Manager operators
* Deploy an instance of AI Manager
* Verify that AI Manager is installed correctly
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| Unit 3. Installing IBM Cloud Pak for Watson AIOps Event ManagerDuration: 45 minutes |
| Overview | This unit shows you how to install the Event Manager components within the IBM Cloud Pak for Watson AIOps. |
| Learning objectives | After completing this unit, you should be able to:* Install the Event Manager operator
* Deploy an instance of Event Manager
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| Exercise 3. Installing IBM Cloud Pak for Watson AIOps Event ManagerDuration: 1 hour |
| Overview | These exercises teach you how to install the Event Manager components within the IBM Cloud Pak for Watson AIOps. |
| Learning objectives | After completing this exercise, you should be able to:* Install the Event Manager operator
* Deploy an instance of Event Manager
* Verify that Event Manager is installed correctly
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| Unit 4. Installing the Event Manager GatewayDuration: 30 minutes |
| Overview | This unit shows you how to install and configure the Event Manager Gateway. |
| Learning objectives | After completing this unit, you should be able to:* Prepare Event Manager to integrate with the Event Manager Gateway
* Prepare AI Manager to integrate with the Event Manager Gateway
* Install and configure the Event Manager Gateway
* Run the topology service binding script
* Run the Cassandra schema resolution script
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| Exercise 4. Installing the Event Manager GatewayDuration: 1 hour |
| Overview | These exercises show you how to install and configure the Event Manager Gateway. |
| Learning objectives | After completing this exercise, you should be able to:* Prepare Event Manager to integrate with the Event Manager Gateway
* Prepare AI Manager to integrate with the Event Manager Gateway
* Install and configure the Event Manager Gateway
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| Unit 5. SummaryDuration: 10 minutes |
| Overview | This unit summarizes what you have learned, and directs you to other resources to help you continue learning. |
| Learning objectives | After completing this unit, you should be able to:* Explain how the course met its learning objectives
* Identify IBM credentials that are related to this course
* Locate resources for further study and skill development
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For more information

To learn more about this course and other related offerings, and to schedule training, see **ibm.com**/training

To learn more about validating your technical skills with IBM certification, see **ibm.com**/certify