



RED HAT TRAINING

Red Hat OpenShift Ai Technical Overview Ai067 Course

Explore Red Hat OpenShift AI (AI067) to understand its architecture and key features for deploying AI/ML workloads.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Red Hat OpenShift AI Technical Overview (AI067) course provides a comprehensive introduction to leveraging Red Hat OpenShift for enterprise-grade Artificial Intelligence and Machine Learning (AI/ML) workloads. This engaging 2-hour course is designed for IT professionals seeking to understand how Red Hat OpenShift AI streamlines the entire MLOps lifecycle, from experimentation and model development to deployment and management. You'll explore the core components and capabilities that enable data scientists and developers to build, train, and deploy AI models more efficiently in a scalable, secure, and consistent environment. This course addresses the complexities of managing AI/ML projects by demonstrating how OpenShift AI integrates various open-source tools and frameworks into a unified platform.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat
Exam Code	AI-067

COURSE CURRICULUM

- 01 **Module 1: Introduction to Red Hat OpenShift AI**
 - Understanding AI, ML, and MLOps principles
 - Challenges in deploying and managing AI/ML models
 - Overview of Red Hat OpenShift AI's role in the MLOps lifecycle
 - Key benefits of using OpenShift for AI/ML workloads
- 02 **Module 2: Core Components and Architecture**
 - OpenShift Container Platform fundamentals for AI
 - Introduction to JupyterHub for interactive development
 - Model serving with KServe on OpenShift AI
 - Data management and storage considerations for AI/ML projects
- 03 **Module 3: AI/ML Workflow on OpenShift AI**
 - Data preparation and feature engineering workflows
 - Model training, experimentation, and tracking
 - Deploying and managing models for inference
 - Monitoring model performance and lifecycle management
- 04 **Module 4: Scaling and Securing AI Workloads**
 - Security best practices for AI/ML deployments
 - Scaling AI/ML applications and infrastructure on OpenShift
 - Integrating OpenShift AI with enterprise systems
 - Resource management and optimization for AI/ML workloads

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AI/ML Operations (MLOps) Engineer**
- > **Cloud-Native AI/ML Architect**
- > **Data Scientist / Machine Learning Engineer specializing in deployment and infrastructure**

FREQUENTLY ASKED QUESTIONS

Q: What prior knowledge of Kubernetes or OpenShift is recommended before taking the Red Hat OpenShift AI Technical Overview AI067 course?

While this is a technical overview, a basic understanding of containerization concepts, Kubernetes, or Red Hat OpenShift will be beneficial. The course focuses on the AI/ML layer, assuming some familiarity with the underlying platform, though core concepts will be touched upon to provide context.

Q: How does this technical overview specifically help me in deploying and managing machine learning models in a production environment?

This course provides a foundational understanding of how Red Hat OpenShift AI enables a streamlined MLOps workflow. You'll learn about the integrated tools and processes for managing the entire AI/ML lifecycle, from development to production deployment and monitoring, equipping you with the knowledge to architect and implement robust AI/ML solutions.

Q: Will this AI067 course provide insights into how Red Hat OpenShift AI integrates with popular machine learning frameworks like TensorFlow or PyTorch?

Yes, the course covers how Red Hat OpenShift AI provides a flexible environment that supports various popular machine learning frameworks. You will gain an understanding of how these frameworks can be leveraged within the OpenShift AI platform for model training and inference, highlighting the platform's vendor-neutral approach to AI/ML development.

ABOUT COMPUTER PRIDE



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With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

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