Red Hat Certified Specialist in OpenShift AI (EX267)

Kód kurzu: EX267

The Red Hat Certified Specialist in OpenShift AI exam tests candidates' ability to deploy OpenShift AI and configure it to build, deploy and manage machine learning models to support AI enabled applications.By passing this exam, you become a Red Hat Certified Specialist in OpenShift AI that also counts towards earning a Red Hat Certified Architect (RHCA®).This exam is based on Red Hat OpenShift AI version 2.8 and Red Hat OpenShift Container Platform version 4.14.

Pro koho je kurz určen

System and Software Architects

who need to demonstrate an understanding of the features and functionality of Red Hat OpenShift AI.

System Administrators or developers

who need to demonstrate the ability to configure, support and maintain OpenShift AI.

Data Scientists

who need to demonstrate an understanding of using OpenShift AI to develop, train, serve, test, and monitor AI/ML models and applications.

Red Hat Certified Engineers who wish to become a Red Hat Certified Architect (RHCA)

Candidates for this exam should:

- Have taken Red Hat OpenShift Administration I: Containers &Kubernetes (DO180) course or have comparable work experience using OpenShift Container Platform
- Have taken Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) course or have comparable work experience using OpenShift Container Platform
- Have taken Developing and Deploying AI/ML Applications on Red Hat OpenShift AI (AI267) or have comparable work experience using the features of OpenShift AI.
- Review the Red Hat Certified Specialist in OpenShift AI exam (EX267) objectives
- Take our free assessment to find the course that best supports your preparation for this exam

Co Vás naučíme

This exam is a performance-based evaluation of skills and knowledge required to configure and manage Red Hat OpenShift AI. Candidates perform routine configuration and administrative tasks using Red Hat OpenShift Container Platform and Red Hat OpenShift AI and are evaluated on whether they have met specific objective criteria. Performance-based testing means that candidates must perform tasks similar to what they perform on the job.

Studijní materiály

Preparation

Red Hat encourages you to consider taking the course Developing and Deploying AI/ML Applications on Red Hat OpenShift AI (AI267) to help prepare. Attendance in these classes is not required; students can choose to take just the exam.

While attending Red Hat classes can be an important part of your preparation, attending class does not guarantee success on the exam. Previous experience, practice, and native aptitude are also important determinants of success. Many books and other resources on system administration for Red Hat products are available. Red Hat does not endorse any of these materials as preparation guides for exams. Nevertheless, you may find additional reading helpful to deepen your understanding.

Požadované vstupní znalosti

GOPAS Praha
Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk

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Candidates for the Red Hat Certified Specialist in OpenShift AI should be able to accomplish the following tasks.

Relevant product specific documentation will be provided but candidates should be prepared to perform these tasks without assistance.

Install Red Hat OpenShift AI (RHOAI)

Configure and manage RHOAI

- Manage user and group permissions and resources
- Manage DataScienceCluster object
- Create and publish custom notebook images
- Import custom notebook images
- Manage idle notebook culling
- Customize default workbench and model server sizes

Work with data science projects

- Create, modify, and delete data science projects
- Manage data science project permissions

Use data science workbenches

- Understand Jupyter ecosystem
- Create, modify, and delete workbenches
- Start and stop workbenches
- Manage data connections
- Manage Persistent Volume Claim objects
- Inspect workbench resources

Use Git to manage Jupyter notebooks collaboratively

- Upload an existing notebook from a Git repository
- Push updated notebooks to a Git repository

Work with machine learning models

- Understand basic machine learning concepts
- Train models in Python using popular foundational libraries
- Load data in a scalable way
- Monitor and evaluate the training process

Save and load models

- Save, export, and share models
- Deploy models as Python applications
- Create a custom runtime in KServe
- Deploy a model using ModelMesh

Create data science pipelines

- Create pipelines with Elyra
- Create pipelines with Kubeflow

Recommended Training Tab

- Red Hat OpenShift AI Administration (AI263)
- Creating Machine Learning Models with Red Hat OpenShift AI (AI264)
- Deploying Machine Learning Models with Red Hat OpenShift AI (AI265)
- Automating AI/ML workflows with Red Hat OpenShift AI (AI266)
- Note that the above courses can be taken as a bundle by taking: Developing and Deploying AI/ML applications on Red Hat OpenShift AI (AI267)

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