

Szkolenie: HPE
HPE Ezmeral Container Platform Application Image Development



Cel szkolenia:

This course is designed for developers who create and run big data applications on HPE Container Platform 5.0. Although the platform provides a rich set of standard application images, this course guides developers on how to create, deploy and maintain additional application-specific images.

Course objectives

- Obtain in-depth knowledge of HPE Container Platform 5.0 EPIC Application Workbench
- Learn best practices to help accelerate the development of new application images
- Learn how to maintain and optimize application images

Audience

System developers, big data application developers, business analysts, data scientists, data engineers.

Plan szkolenia:

- Introduction
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 - Learning objectives review
 - Course schedule review
- HPE Container Platform 5.0 EPIC Applications and Workbench Overview
 - Components of HPE Container Platform 5.0 applications
 - Application Workbench overview
 - Introduction to cluster and tenant metadata
 - Big data application classification
 - Application integration patterns
- Training Environment Overview
 - Installation
 - Credentials and access walkthrough

- Building a sample application (e.g., Hello World)
- Custom base Images
- Running Action and Bootstrap scripts
- Docker Registry and usage
- Building a Single and Multiple Role Application
 - Developing a single role single service application (e.g., Spark)
 - Developing a single role multiple services application (e.g., Spark)
 - Developing a multi-role multiple services application (e.g., Spark/Jupyter)
- Building an Advanced Multi-Role Hadoop-Based Application
 - Hadoop distributions review (e.g., Cloudera, Hortonworks, MapR)
 - Lecture
 - Building an advanced multi-role application—CDH
 - Building an advanced multi-role application—HDP

Wymagania:

Courses:

- HPE Container Platform Administration I (highly recommended)

Skills:

- Unix/Linux user and administration experience
- Hadoop/AI/Big Data application administration experience (Cloudera/Hortonworks, Jupyter Notebook, Tensorflow, etc.)
- Experience in machine learning life cycle (e.g. model training/development and model deployment)

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by HPE (course completion).

Prowadzący:

Authorized HPE Trainer