

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
  - Introduction
  - 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