

HPE Ezmeral Data Fabric

Overview, Rev. 22.41

H61W0AAE

HPE course number	H61W0AAE
Course length	2 hours
Delivery mode	eLearning
Access period	Unlimited access for one year from the date of purchase
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This course provides an overview of big data, explores the need for data fabric, describes Apache Hadoop Ecosystem Components, and reviews architecture. The course mainly focuses on HPE Ezmeral Data Fabric components, architecture, and core services of the solution. After completing this course, you should be able to define the need for Data Fabric, identify the key differentiators between Hadoop Eco System and HPE Ezmeral Data Fabric features, and list the advantages of HPE Ezmeral Data Fabric.

Audience

The audience for the HPE Ezmeral Data Fabric Overview course is system administrators who would like to understand the basic technologies prior to registering for the HPE Ezmeral Data Fabric Cluster Administration course.

Course objectives

By the end of the course, the participant should be able to:

- Demonstrate basic knowledge related to HPE Ezmeral Data Fabric
- Describe the big data concept, the definition of big data and data types, and the need for data fabric
- Describe Apache Hadoop Ecosystem components, features, and limitations
- Describe HPE Ezmeral Data Fabric components, architecture, and advantages
- Compare Apache Hadoop and HPE Ezmeral Data Fabric
- Describe HPE Ezmeral Data Fabric concepts and core services

Detailed course outline

Lesson 1: Introduction to Big Data

- Define big data
- Describe distributed file system and the need for it
- Describe volume, variety, and velocity
- Compare big data and their challenges

Lesson 2: Introduction to the Apache Hadoop

- Describe Hadoop Ecosystem key components
- Identify the Hadoop data accessing method
- Describe Hadoop data storage
- Explain Hadoop data management
- Explain Hadoop data processing
- List the limitations of the Hadoop Ecosystem

Lesson 3: Introduction to HPE Ezmeral Data Fabric

- Describe HPE Ezmeral Data Fabric and its key components
- List HPE Ezmeral Data Fabric Event Streams features
- Define storage pool, container, CLDB, volume, snapshot, direct access NFS
- Describe HPE Ezmeral Ecosystem Packs features
- Describe HPE Ezmeral Data Fabric file and object store features
- Compare and contrast HPE Ezmeral Data Fabric filesystem and HDFS
- Explain HPE Ezmeral Data Fabric database features

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