

Mainframe Fundamentals 100

EDUCATION COURSE DESCRIPTION

SUPPORTED PRODUCT RELEASE(S)

N/A

COURSE TYPE, LENGTH, & CODE

- Web-based Training (WBT)
- 1 hour
- 06MFO12030

WHO SHOULD ATTEND

- Anyone new to the Mainframe

Course Overview

Trisha is a Software Development Engineer in Test (SDET). She loves her job in testing and using a software development approach to the task at hand. Her issue is that she has no experience with the Mainframe.

Trisha is not alone; many people do not realize how often they interact with Mainframes. Industries such as financial services, government, airlines, and healthcare all depend on a Mainframe infrastructure. In the current application economy, many industries rely on the Mainframe platform as mission essential to their success.

In today's jargon riddled world, it's sometimes tough to understand what others are speaking about. It's no different when it comes to working with the Mainframe.

This course will focus on an introduction to the Mainframe, the key differences between a Mainframe and distributed platforms, and the key components of specialty engines used in a Mainframe. You will also be introduced to the challenges that businesses face, how Mainframe is evolving as part of digital transformation efforts to help address these challenges, and introduce the new Mainframer to some of the most common terms used in this corner of the industry.

This Course Will Show You How To:

- Describe why an enterprise uses a Mainframe
- Identify key differences between a Mainframe and a distributed platform
- Identify key components of specialty engines used in a Mainframe
- Explain Mainframe roles and personas
- Identify challenges businesses face and explain how the Mainframe evolves as part of digital transformation efforts to help address these challenges.
- Identify common terminology used between Mainframers

Course Agenda

Module 1: The What and Why of the Mainframe

- The definition of a Mainframe
- How and why Mainframes excel
- Mainframe continues to be strategic

Module 2: Mainframe Key Components

- What are the key components of the Mainframe

Module 3: Specialty Engines

- Key specialty engines
- How Broadcom helps customers exploit specialty engines
- Traditional architectures

Module 4: Mainframe Roles and Personas

- Overview
- Business Roles
- Operation Roles
- Performance and Capacity
- Application Personnel
- Security
- Network

Module 5: Talking Mainframes

- How to reframe the Mainframe story
- How does the Mainframe help customers
- Addressing the skills gap
- Common myths

Module 6: Speaking like a Mainframer

- Common terminology

Module 7: Introduction to COBOL

- What is COBOL
- COBOL compilation
- Using Copybooks
- Common errors and abends
- The structure of a COBOL program

Course Resources

Communities

<https://community.broadcom.com/mainframesoftware/home>

Product Course Lists

<https://community.broadcom.com/education/communities/communityhomeblogs?CommunityKey=bd92ecf3-d291-44ae-87ef-f17f7697397e>

Documentation

<https://techdocs.broadcom.com/us/en/ca-mainframe-software.html>

Education

<https://www.broadcom.com/support/education-training/specialized-training/mainframe-training>