

ANDMB**Cisco Big Data Analytics, Architecture and Management**

32 horas

Data & Analytics

Cisco

INTRODUÇÃO

This course will enable students to choose and design scalable, reliable, and intelligent data center solutions using Cisco UCS Integrated Infrastructure for Big Data and Analytics (formerly known as CPA for Big Data v4). The course will explain how the reference architectures are carefully designed, optimized, and tested with the leading big data software distributions to achieve a balance of performance and capacity to address specific application requirements. The course will cover big data fundamentals and architecture. Lessons will explore Hadoop, streaming analytics, performance tuning and UCS Director Express for big Data. The student will leave with an introductory understanding the benefits of Cisco UCS Integrated Infrastructure for Big Data and Analytics. Upon completion of this course, you will be able to:

OBJETIVO DO CURSO

Describe a high-level overview of big data fundamentals

Describe big data storage, compute, and data networking architecture

Introduce Hadoop core components

Gain working knowledge of Streaming Analytics usage

Describe the design and sizing of the compute, network, and storage component of Cisco UCS Integrated Infrastructure for Big Data

Identify the Cisco UCS Integrated Infrastructure for Big Data, understand how Cisco Advanced Services for Big Data supports the Cisco Validated Designs that fit into Cisco CPA for Big Data

Explain Cisco (UCS) Director Express for Big Data product features, benefits, installation, implementation, and management

PÚBLICO-ALVO

Channel Partners

Customers

Employees

PRÉ-REQUISITOS

It is recommended that a learner have the following knowledge and skills before attending this course:

knowledge include Cisco Unified Computing System (UCS)

modern Data Center technologies

modern data center virtualization technologies

conceptual understanding of basic scripting

Module 1: Cisco Big Data Use Cases and Solutions

Lesson 1: Understanding the Big Data Ecosystem

Lesson 2: Understanding Architecture for Big Data Technologie

Lesson 3: Introducing Hadoop

Lesson 4: Streaming Analytics

Lesson 5: Cisco Solutions for Big Data

Lesson 6: Cisco UCS Design and Tuning for Big Data

Lesson 7: Cisco Integrated Infrastructure for Big Data Application and Deployments

Lesson 8: Cisco UCS Director Express Automation