

ANDMA

Advanced Big Data Analytics, Architecture, Management and Applications

40 horas

Data & Analytics

Cisco

INTRODUÇÃO

This course provides architectural designs and advanced hands on training on topics covering Scaling of cluster to thousands of nodes and management, Lambda architecture for streaming analytics, Data Life Cycle management with HDFS tiered storage, and different approaches for Multi-tenant Hadoop cluster deployments with Openstack, UCSD Express, or with MapR volumes and Work-load Automation topics concerning the deployment of Big Data clusters. It will cover the application and infrastructure architecture components for each use case with specific focus on Hadoop deployments. The training goes into details around UCSD Express end to end automation for big data. Also covers topics related with Best practices around Data Disaster Recovery as well as its security. Upon completion of this course, you will be able to:

OBJETIVO DO CURSO

- Be able to scale up to thousands of nodes
- Become familiar with Business Analytics including Splunk
- Install and configure Red Hat, SPLUNK
- Describe Edge Analytics (Social Media, IoT)
- Describe SQL on Hadoop
- Describe Data Life Cycle management for Tiered Storage of Hot, Warm and Cold data
- Install Hadoop as a Service (on OpenStack)/Multi-tenant Hadoop cluster
- Review End to End Automation with UCSD Express for Big Data
- Describe Hadoop as a Service on Bare Metal
- Describe Disaster Recovery
- Apply Security

PÚBLICO-ALVO

- Channel Partners
- Customers
- Employees

PRÉ-REQUISITOS

Before taking this course, it is recommended that learners should be familiar with:

- Cisco Big Data Analytics, Architecture and Management (ANDMB) Training Course
- Familiarity with Cisco UCS and big data fundamentals.

CONTEÚDO PROGRAMÁTICO

Module 1

Scaling to thousands of nodes - ACI

Module 2

Analytics Splunk

Module 3

Edge Analytics (Social Media, IoT)

Module 4

SQL on Hadoop

Module 5

Data Life Cycle management - Tiered Storage of Hot, Warm and Cold data

Module 6

Hadoop as a Service (on OpenStack)/Multi-tenant Hadoop cluster

Module 7

End to End Automation with UCSD Express for Big Data

Module 8

Hadoop as a Service on Bare Metal

Module 9

Disaster Recovery

Module 10

Security