



Platinum Learning Partner
Business Learning Partner



Cisco Big Data Analytics Architecture and Management

ANDMB

Course Overview

The Cisco Big Data Analytics, Architecture, and Management (ANDMB) v1.0 is a 4-day instructor-led course that introduces learners to how to choose and design scalable, reliable, and intelligent data centre solutions using Cisco Unified Computing System (UCS) Integrated Infrastructure for Big Data and Analytics (formerly known as CPA for Big Data v4). Learners learn 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 covers big data fundamentals and architecture, and explores Hadoop, streaming analytics, performance tuning and UCS Director Express for big Data.

The course provides learners with an introductory understanding of the benefits of Cisco UCS Integrated Infrastructure for Big Data and Analytics.

Objectives

- Upon completing this course, the learner will be able to meet these overall objectives:
- 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
 - Identify the Cisco UCS CPA components, features, and advantages for deploying big data (Hadoop cluster) solutions
 - 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



Real skills for real engineers

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Prerequisite Knowledge

To fully benefit from this course, you should have the following knowledge and skills:

- Knowledge of Cisco Unified Computing Systems (Cisco UCS)
- Intermediate level understanding of data centre technologies
- Basic understanding of Big Data

