

BIG DATA HADOOP AND SPARK DEVELOPER

Course Outline





Course Overview:

This course covers the concepts of the Big Data Hadoop framework and Hadoop ecosystem tools; distributed storage and processing; the basics of functional programming; Apache Hive; Apache Spark; and No SQL database. The course curriculum is aligned with the CCA Spark and Hadoop Developer Exam (CCA175).

Course Highlights:

- 22 hours of online self-paced learning
- 52 hours of instructor-led training
- 4 industry-based course-end projects
- Interactive learning with integrated labs
- Curriculum aligned to Cloudera CCA175 certification exam

Course Delivery Method:

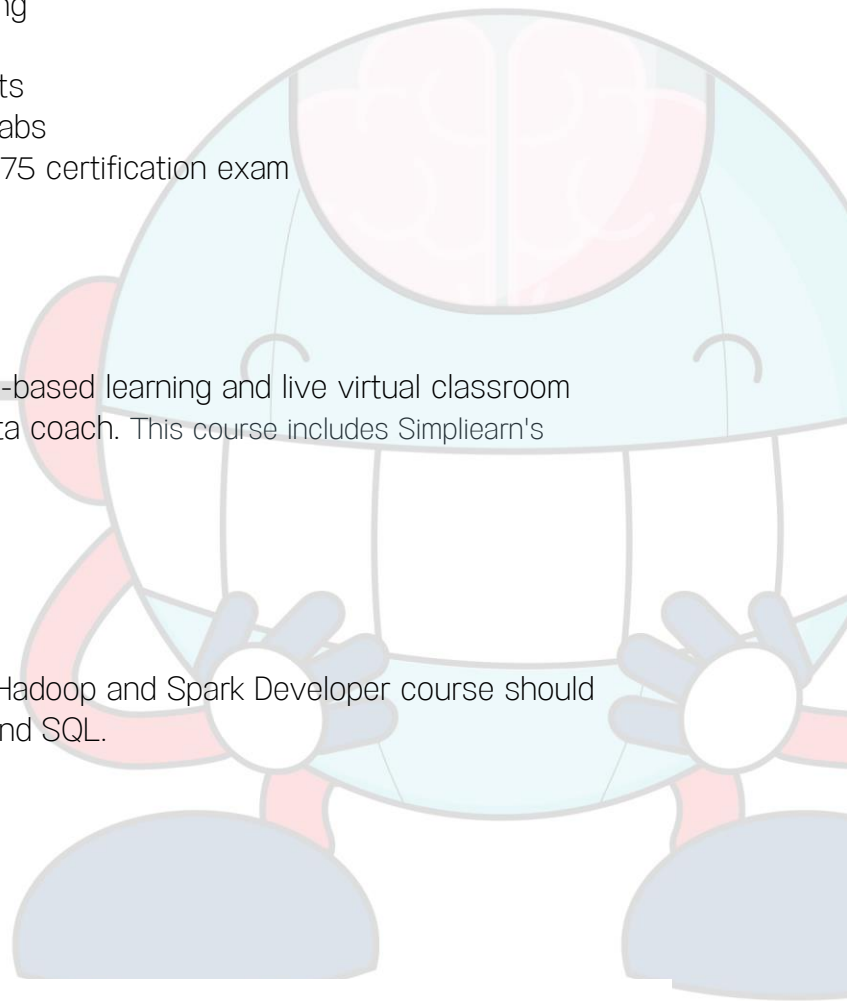
Online Bootcamp- Online, self-paced, video-based learning and live virtual classroom conducted by the industry's leading big data coach. This course includes Simplilearn's Integrated lab platform.

Prerequisites:

Learners interested in taking this Big Data Hadoop and Spark Developer course should have a basic understanding of core Java and SQL.

Skills Covered:

- Data processing
- Functional programming
- Apache Spark





- Parallel processing
- Spark RDD optimization techniques
- Spark SQL

Tools Covered:

Apache Hadoop, Apache Spark

Who Will Benefit:

This Big Data Hadoop and Spark Developer course is best suited for the following professionals:

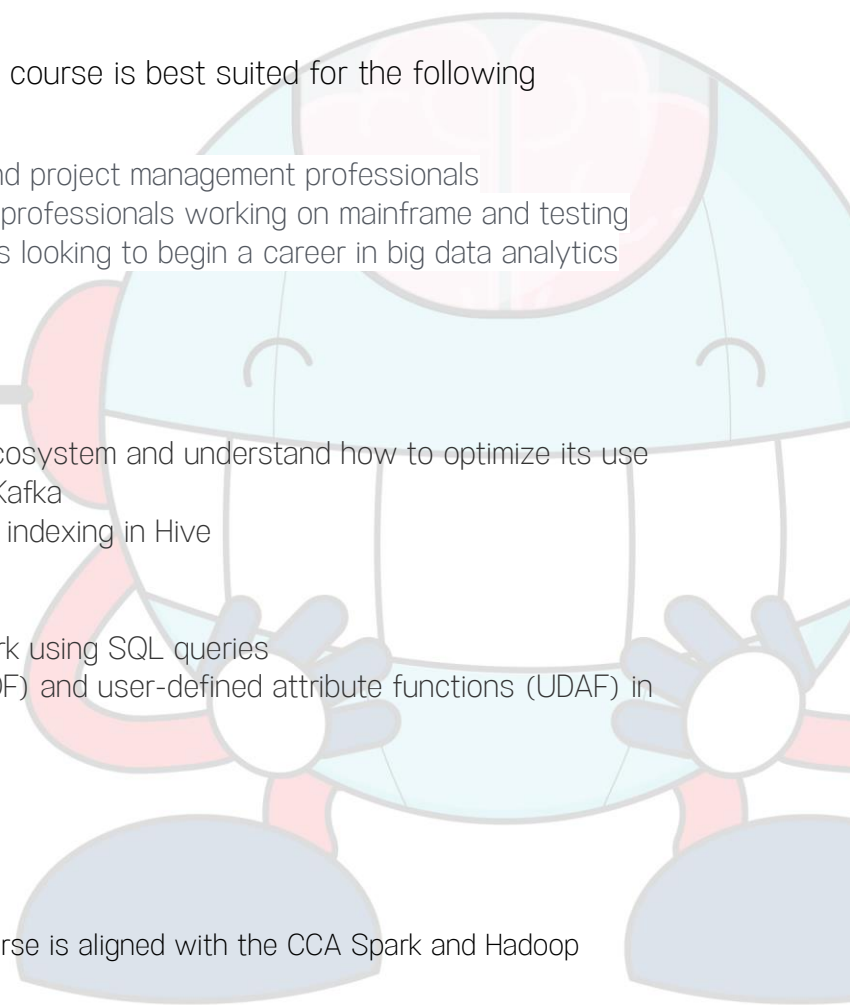
- Analytics, BI, IT, data management, and project management professionals
- Architects, software developers, and professionals working on mainframe and testing
- Aspiring data scientists and graduates looking to begin a career in big data analytics

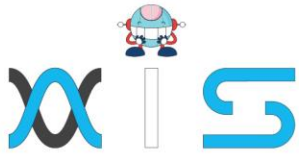
Key Learning Outcomes:

- Learn how to navigate the Hadoop ecosystem and understand how to optimize its use
- Ingest data using Sqoop, Flume, and Kafka
- Implement partitioning, bucketing, and indexing in Hive
- Work with RDD in Apache Spark
- Process real-time streaming data
- Perform DataFrame operations in Spark using SQL queries
- Implement user-defined functions (UDF) and user-defined attribute functions (UDAF) in Spark

Accreditations:

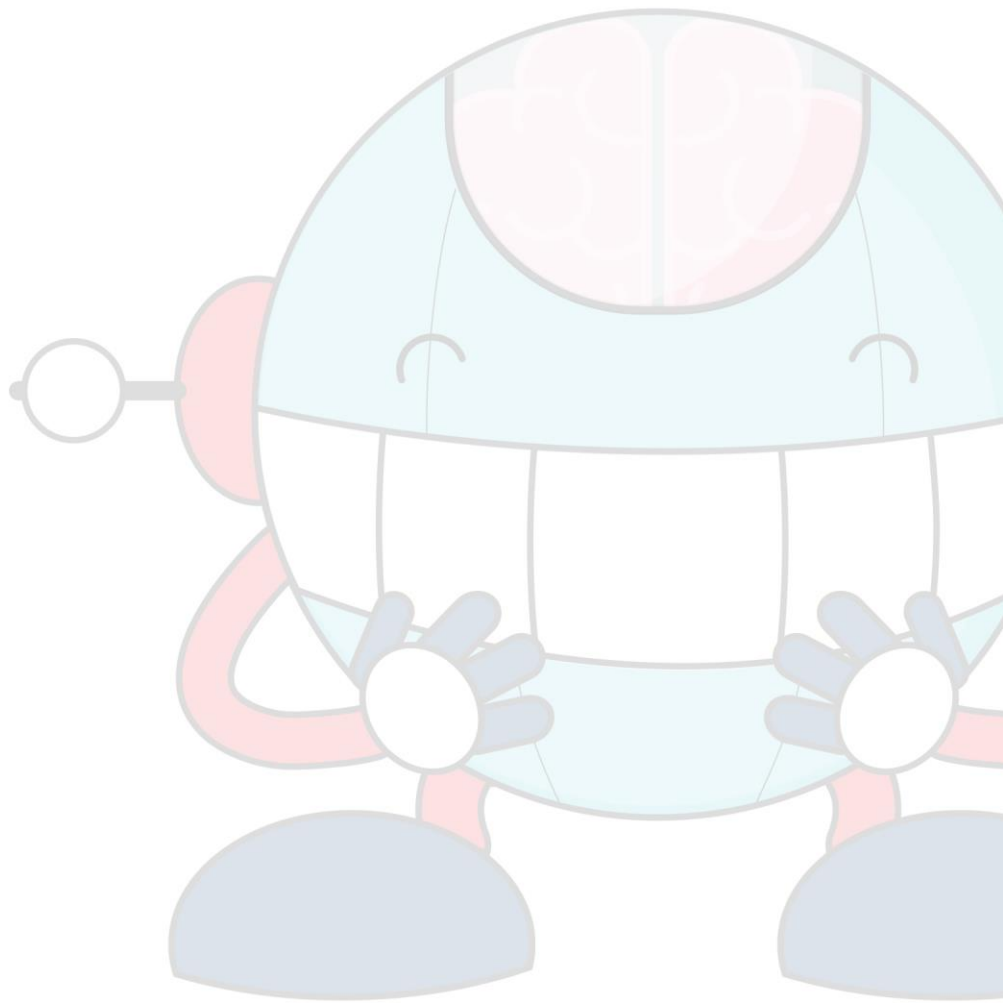
This Big Data Hadoop and Spark Developer course is aligned with the CCA Spark and Hadoop Developer Exam (CCA175).

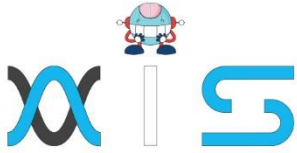




Certification Criteria:

- Completion of at least 85 percent of online self-paced learning or attendance of one live virtual classroom
- A score of at least 75 percent in course-end assessment
- Successful evaluation in at least one project





AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

Learning Partners



SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic alone. The most sought-after courses being offered are ITIL, Project Management Professional (PMP)®, COBIT 5, Six Sigma Yellow Belt, Six Sigma Green Belt, PRINCE2, and organizational skills, among others.



Simplilearn

Simplilearn, based in California and India, is the world's #1 online bootcamp and one of the world's the leading certification and training providers. Simplilearn trained over 2,000,000 professionals with 2,000+ trainers and provides over 400 different courses.

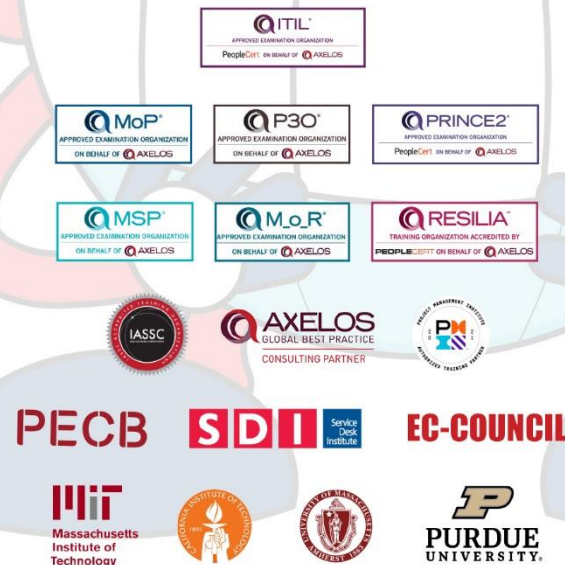
Technology Partner

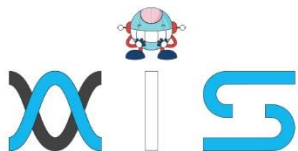


Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

Partners & Affiliates





The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.

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