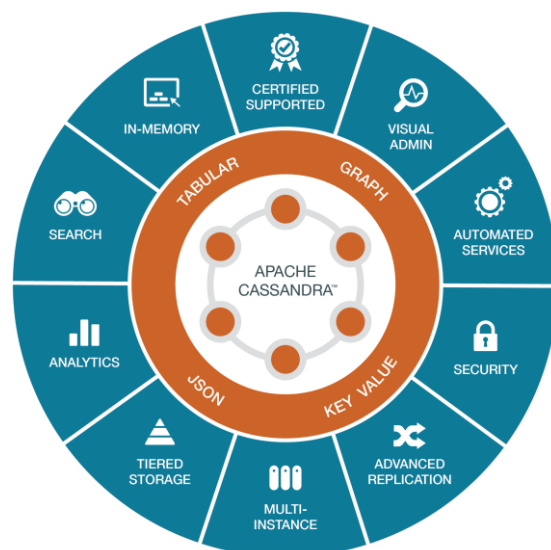


DS420: DataStax Enterprise Advanced for Developers (Java)

Instructor-Led Training

Overview

DS420 covers application development using DataStax enterprise tools such as DataStax Cassandra connectivity drivers, DataStax Enterprise Analytics, and DataStax Enterprise Search. You will learn to add plumbing code for the KillrVideo web application to interact with DataStax Enterprise. Also, perform analytics and add search functionality to the website. And, verify code works via unit tests.



Duration

5 days

Audience

Experienced Software professionals who want to build applications using DataStax Enterprise

Prerequisites

Experience with the concepts found in the courses:

- DS201: DataStax Enterprise Foundations of Apache Cassandra™,
- DS210: DataStax Enterprise 6 Operations,
- DS220: Data Modeling,
- DS310: DataStax Enterprise Search, and DS320: DataStax Enterprise Analytics,
- Knowledge of Java.

About DataStax

It starts with a human desire, and when a universe of technology, devices and data aligns, it ends in a moment of fulfillment and insight. Billions of these moments occur each second around the globe. They are moments that can define an era, launch an innovation, and forever alter for the better how we relate to our environment. DataStax is the power behind the moment. Built on the unique architecture of Apache Cassandra™, DataStax Enterprise is the always-on data platform and has been battle-tested for the world's most innovative, global applications.

With more than 500 customers in over 50 countries, DataStax provide data management to the world's most innovative companies, such as Netflix, Safeway, ING, Adobe, Intuit, Target and eBay. Based in Santa Clara, Calif., DataStax is backed by industry-leading investors including Comcast Ventures, Crosslink Capital, Lightspeed Venture Partners, Kleiner Perkins Caufield & Byers, Meritech Capital, Premji Invest and Scale Venture Partners. For more information, visit DataStax.com/customers or follow us on @DataStax.

Course details

- Java Driver Introduction
 - Objectives and Outline
 - Exploring Virtual Machine
 - Overview of KillrVideo Database
 - Application Architecture
- Java Driver Part 1 - Setting up the Driver
 - Driver Overview
 - Managing Cluster and Sessions
 - Load Balancing
 - Failover / Recovery
 - Connection Pooling
- Java Driver Part 2 - Reading / Writing Data with the Java Driver
 - Read / Write Path Refresher
 - Statements and Result Sets
 - Simple Statements
 - Result Sets
 - Prepared Statements
 - Built Statements and the Query Builder
 - Batch Statements
- Java Driver Part 3 - Reading / Writing UDTs and Collections
 - Working with Structured Data
 - User Defined Types (UDTs)
 - Lists
 - Sets
 - Maps
- Java Driver Part 4 – Reading/Writing Data with the Object Mapper
 - Object Mapping and Annotations
 - Object Mapping
 - Accessors
- DSE Search
 - Why use DSE Search
 - Creating a Search Index
 - Using a Search with CQL
 - Modifying a Schema
 - Facets
 - Collection Searches
 - Advanced Queries
- DSE Analytics
 - Killrvideo DSE Analytics requirements
 - What is DSE Analytics?
 - DSE Analytics Architecture
 - Submitting DSE Analytics Jobs
 - dse spark-sql
 - dse spark (REPL) and Monitoring DSE Analytics
 - dse spark-submit
 - Java API
 - ETL
 - Transformations
 - Work-Pools

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Benefits

Classroom training is delivered by DataStax experts, who will share first-hand experiences and practical use cases. A high level of interactivity with the trainer coupled with hands-on labs deliver an active learning experience.

A private, on-site training environment provides the option to tailor the delivery based on your needs and preferences. We will work with your team to determine areas requiring emphasis during delivery. Additionally, on-site training fosters teamwork and team learning that continue through the project.

For more information, please contact your account executive or send an email to training@datastax.com.

Terms

Please refer to the DataStax Services Terms for specific details regarding terms of Training delivery.

- This is a pre-paid Service offering.
- The Service expires 12 months after receipt of a valid customer order.
- The maximum class size is 20 attendees.
- This training is delivered onsite.

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