

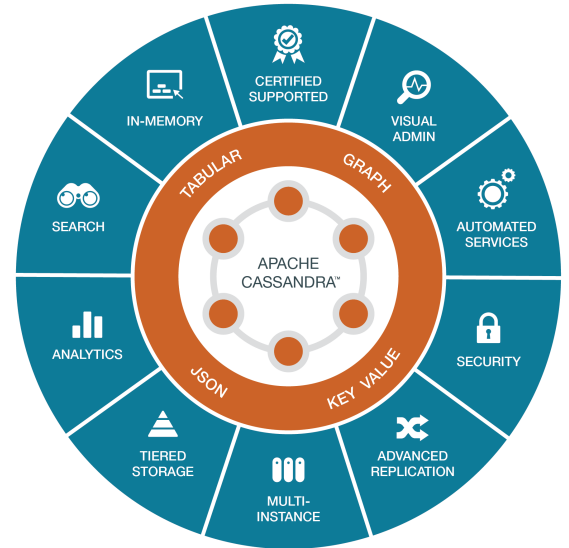
# DS330: DataStax Enterprise Graph

## Instructor-Led Training

### Overview

In this course, you will learn about DataStax Enterprise Graph. The topics include system architecture, property graphs, graph schemas, data modeling, graph indexing, data loading, and graph traversals. You will become proficient in the Gremlin graph traversal language and will be able to define simple, branching, recursive, path, projecting, declarative, subgraph, statistical, ordering, mutating, and other types of traversals.

Achieve proficiency in simple, branching, recursive, path, projecting, declarative, subgraph, statistical, ordering, mutating, and other types of traversals.



<b>Duration</b>	3 days
<b>Audience</b>	Software professionals proficient with Cassandra core concepts and looking to learn DataStax Enterprise Graph
<b>Prerequisites</b>	Completion of the DataStax Enterprise Foundations of Apache Cassandra™ online course. Linux command line and programming experience. Recommended knowledge of DSE Search (Solr) and Analytics (Spark).

#### 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](http://DataStax.com/customers) or follow us on @DataStax.

## Course details

- DSE Graph Overview
  - Introducing DataStax Enterprise Graph
  - DSE Graph Architecture and Tools
- Managing Graphs
  - Property Graph
  - Managing Graphs
- Working with Graph Schemas
  - Defining Graph Schemas
  - Defining Custom Vertex IDs
- Indexing Graph Data
  - Vertex Indexes
  - Property Indexes
  - Edge Indexes
- Inserting Graph Data
  - Inserting Data Using Gremlin Graph API
  - Exporting and Importing Graphs with Gremlin I/O
  - Loading Data Using DSE Graph Loader
- Graph Data Modeling
  - Introduction to Graph Data Modeling
  - Data-Driven Approach to Graph Data Modeling
  - Graph Data Modeling Framework
- Traversing Graph Data
  - Traversing Graph Data
  - Gremlin Language Introduction
  - Graph Traversal Steps
  - Simple Traversal
  - Branching Traversal
  - Recursive Traversal
  - Path Traversal
  - Projecting Traversal
  - Declarative Traversal
  - Subgraph Traversal
  - Statistical Traversal
  - Ordering Traversal
  - Mutating Traversal
  - Domain-Specific Traversal

## 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.

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For more information, please contact your account executive or send an email to [training@datastax.com](mailto: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 365 days after receipt of a valid customer order.
- The maximum class size is 20 attendees.
- This training is delivered onsite.
- A virtual classroom option is available, but we do not recommend mixing in-person and remote attendees. The remote attendees have limited learning experience in this environment.

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