

Getting Productive with Cassandra in 2 Days

Developer to Developer Training Series





Course Outline

Cassandra, one of the most popular open source nosql family database. The 2 day Cassandra course is aimed at developers who are entering into big data world and want to learn and solve big data problems. Purpose of this training is equal dose of theory and practical examples to deep dive into big data world.

The course has a practical focus, mixing presentation with indepth handson labs and exercises.



Proposed Structure

Day 1	Day 2
First encounter	Batch processing
<ul style="list-style-type: none">◆ Big data introduction	<ul style="list-style-type: none">◆ Introduction to Hadoop MapReduce
<ul style="list-style-type: none">◆ RDBMS to NoSQL transition	<ul style="list-style-type: none">◆ Cassandra MapReduce integration
<ul style="list-style-type: none">◆ Cassandra cluster setup and installation	<ul style="list-style-type: none">◆ Hive + Cassandra
<ul style="list-style-type: none">◆ Understanding storage architecture	<ul style="list-style-type: none">◆ Pig + Cassandra
<ul style="list-style-type: none">◆ Understanding CQL and Thrift protocol	<ul style="list-style-type: none">◆ Sample Scala / Java application
Data modeling	Data administration
<ul style="list-style-type: none">◆ Cassandra data modeling	<ul style="list-style-type: none">◆ Cassandra monitoring tools
<ul style="list-style-type: none">◆ Understanding indexes	<ul style="list-style-type: none">◆ Cassandra Bulk loading
<ul style="list-style-type: none">◆ Composite keys	<ul style="list-style-type: none">◆ Authentication and Authorization
<ul style="list-style-type: none">◆ High level client APIs	<ul style="list-style-type: none">◆ Troubleshooting
<ul style="list-style-type: none">◆ Building Scala/Java application using Cassandra	



Course Prerequisites

To benefit from this course you should have 12 years experience with an objectoriented (eg. Java, Scala) programming language and a good general understanding of RDBMS.

- ◆ For more information on the course or a discussion on your custom need, send a mail to info@knoldus.com