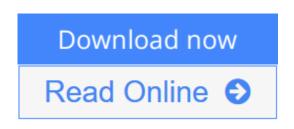


Apache Cassandra Hands-On Training Level One

By Ruth Stryker



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Written in a clear, step-by-step manner, this 400-page course provides an excellent starting point for people that want to get into Apache Cassandra and learn best by doing.

A high-quality, project-based, hands-on training courseware book, Apache Cassandra Hands-On Training Level One is designed to be used as the student book for a 2-day introductory level Cassandra course delivered by a Cassandra instructor. Having said that, this book can also be done as a self-paced training course.

Recommended prerequisites for this training book are experience with databases, SQL, and programming.

This hands-on training course takes people through the basics of working with Cassandra as they learn how to install Cassandra, create a database, create tables, insert, update, and delete data, and create an application, as well as create and modify a multiple-node cluster.

Unit 1: Understanding What Cassandra is For Unit 2: Getting Started with the Architecture Unit 3: Installing Cassandra Unit 4: Communicating with Cassandra Unit 5: Creating a Database Unit 6: Creating a Table Unit 7: Inserting Data Unit 8: Modeling Data Unit 9: Creating an Application Unit 10: Updating and Deleting Data Unit 11: Selecting Hardware Unit 12: Adding Nodes to a Cluster Unit 13: Repairing Nodes Unit 14: Removing a Node Unit 15: Monitoring a Cluster Unit 16: Adding a Data Center

As virtual machine images are used extensively throughout this hands-on course, including for the creation of a multiple-node Cassandra cluster, any computer used for the exercises in this course needs to be relatively high spec. Specifically, a computer with the following is needed:

64-bit operating system (Mac, Windows, or Linux)8GB (or more) of RAM30GB (or more) of free hard drive spaceLatest version of VMware Player (or VirtualBox) installed and workingA way to unzip filesAcrobat Reader (or equivalent, for viewing a PDF file)

For the full outline, and class files download, see ruthstryker.com/books/achotl1.

For a sample unit, see ruthstryker.com/books/achotl1/achotl1_ch06_20140717.pdf (Unit 6) or ruthstryker.com/books/achotl1/achotl1_ch15_20140717.pdf (Unit 15).

For the setup steps, see ruthstryker.com/books/achotl1/achotl1_apC_20140722.pdf (Appendix C).

Student comments about the book:

"Excellent starter course that has taken me from knowing nothing of Cassandra to feeling confident in setting up and using it."

"Level covered in book is just right."

"Course material was good. It had a wide range of labs and was very helpful in understanding the agenda."

"Course material was well-written and easy to follow."

"Excellent introduction into Cassandra filled with hands-on exercises for all topics."

"Material covers the basics quite well."

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Apache Cassandra Hands-On Training Level One By Ruth Stryker Bibliography

- Sales Rank: #989091 in Books
- Published on: 2014-07-23
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x .92" w x 8.50" l, 2.06 pounds
- Binding: Paperback
- 406 pages

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Editorial Review

About the Author

Ruth Stryker is a long-time trainer who enjoys teaching in a clear and easy-to-understand manner, providing people who are new to a technology with a solid foundation as they move forward. Her all-time favorite student quote is, "Ruth rocks!" With 20 years of experience delivering technical training throughout the San Francisco Bay Area and across the U.S., Ruth now lives in London and delivers training worldwide. She can best be contacted via email (ruth(at)ruthstryker.com), LinkedIn (linkedin.com/in/ruthstryker), or Twitter (@ruthstryker).

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