

Apache Cassandra Hands On Training Level One

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Buy Apache Cassandra Hands-On Training Level One: Written by Ruth Stryker, 2014 Edition, Publisher: CreateSpace Independent Publishing [Paperback] by Ruth Stryker (ISBN: 8601418321323) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

[Apache Cassandra Hands On Training Level One: Written by ...](#)

Online or onsite, instructor-led live Apache Cassandra training courses demonstrate through interactive discussion and hands-on practice the principles, architecture and data model of Cassandra, and data modeling in CQL (Cassandra Query Language). Cassandra training is available as "online live training" or "onsite live training".

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Hands-on exercises are available using the KillrVideo application as the reference data model. DS210: DataStax Enterprise 6 Operations with Apache Cassandra™. This Operations and Performance Tuning course delivers the tools and knowledge required to operate and fine-tune your DataStax Enterprise deployments.

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Course summary: Created for people new to Cassandra, this high-quality, hands-on, project-based course takes people through the basics of working with Cassandra as they learn how to install Cassandra, define a database, create tables, insert, update, and delete data, and create an application, as well as create and modify a multiple-node cluster.

[Course Outline: Apache Cassandra Hands On Training Level One](#)

v. Apache Cassandra: Hands-on-Training by Ruth Stryker. This book is best to learn the basics and the fundamentals of Apache Cassandra. It provides hand-on-training on Apache Cassandra with the help of various projects. We recommend readers to be familiar with programming, SQL, and databases. This " Apache Cassandra: Hands-on-Training " book is a self-paced training program in itself.

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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.

[The Five Best Apache Cassandra Books on Our Reading List](#)

Buy Apache Cassandra Hands-On Training Level One by Stryker, Ruth online on Amazon.ae at best prices. Fast and free shipping free returns cash on delivery available on eligible purchase.

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Take your career to the next level as a certified Apache Cassandra developer by acquiring all the skills through our hands-on training sessions. You will gain in-depth knowledge on all the key fundamentals of Apache Cassandra such as architecture, features, data model, etc., and also work on two real-time projects during training which helps in clearing the Apache Cassandra certification exam.

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Apache Cassandra: Hands-on-Training This book is written by Ruth Stryker, under Createspace Independent Publications, is an excellent starting point. This book is best to learn basics and the...

[6 Best Books to Learn Cassandra](#) [DZene Database](#)

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The major parts of the book are detailed hands-on exercises with screenshots of relevant parts (terminal windows and such). It even includes a download with a pre-configured virtual machine that has Cassandra installed to get going quickly. I would highly recommend it for beginners wanting to learn the basics of Cassandra.

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[Apache Cassandra Hands On Training Level One: Stryker ...](#)

The advance admin topics of Cassandra and also the entire training contents are in line with clearing the Apache Cassandra DataStax Certification. This Cassandra training gives you hands-on experience in working on projects that have high relevance in the corporate world, step by step assignments and curriculum designed by industry experts.

[Apache Cassandra Training Online Course and Certification ...](#)

Find helpful customer reviews and review ratings for Apache Cassandra Hands-on Training Level One at Amazon.com. Read honest and unbiased product reviews from our users.

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 book 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 RAM 30GB (or more) of free hard drive space Latest version of VMware Player installed and working A way to unzip files Acrobat Reader (or equivalent, for viewing a PDF file) For the full outline, and class files download, see [ruthstryker.com/books/achot1](#). For a sample unit, see [ruthstryker.com/books/achot1/achot1_ch06_20140717.pdf](#) (Unit 6) or [ruthstryker.com/books/achot1/achot1_ch15_20140717.pdf](#) (Unit 15). For the setup steps, see [ruthstryker.com/books/achot1/achot1_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."

What could you do with data if scalability wasn't a problem? With this hands-on guide, you'll learn how Apache Cassandra handles hundreds of terabytes of data while remaining highly available across multiple data centers -- capabilities that have attracted Facebook, Twitter, and other data-intensive companies. Cassandra: The Definitive Guide provides the technical details and practical examples you need to assess this database management system and put it to work in a production environment. Author Eben Hewitt demonstrates the advantages of Cassandra's nonrelational design, and pays special attention to data modeling. If you're a developer, DBA, application architect, or manager looking to solve a database scaling issue or future-proof your application, this guide shows you how to harness Cassandra's speed and flexibility. Understand the tenets of Cassandra's column-oriented structure Learn how to write, update, and read Cassandra data Discover how to add or remove nodes from the cluster as your application requires Examine a working application that translates from a relational model to Cassandra's data model Use examples for writing clients in Java, Python, and C# Use the JMX interface to monitor a cluster's usage, memory patterns, and more Tune memory settings, data storage, and caching for better performance

About Professional Certification of Apache Cassandra: Apache Cassandra is one of the most popular NoSQL Database currently being used by many of the organization, globally in every industry like Aviation, Finance, Retail, Social Networking etc. It proves that there is quite a huge demand for certified Cassandra professionals. Having certification make your selection in the company make much easier. This certification is conducted by the DataStax®, which has the Enterprise Version of the Apache Cassandra and Leader in providing support for the open source Apache Cassandra NoSQL database. Cassandra is one of the Unique NoSQL Database. So go for its certification, it will certainly help in - Getting the Job - Increase in your salary - Growth in your career. - Managing Tera Bytes of Data. - Learning Distributed Database - Using CQL (Cassandra Query Language) Cassandra Certification Information: - Number of questions: 60 Multiple Choice - Time allowed in minutes: 90 - Required passing score: 75% - Languages: English Exam Objectives: There are in total 5 sections and you will be asked total 60 questions in real exam. Please check each section below with regards to the exam objective 1. Apache Cassandra™ data modeling 2. Fundamentals of replication and consistency 3. The distributed and internal architecture of Apache Cassandra™ 4. Installation and configuration 5. Basic tooling

Follow this handbook to build, configure, tune, and secure Apache Cassandra databases. Start with the installation of Cassandra and move on to the creation of a single instance, and then a cluster of Cassandra databases. Cassandra is increasingly a key player in many big data environments, and this book shows you how to use Cassandra with Apache Spark, a popular big data processing framework. Also covered are day-to-day topics of importance such as the backup and recovery of Cassandra databases, using the right compression and compaction strategies, and loading and unloading data. Expert Apache Cassandra Administration provides numerous step-by-step examples starting with the basics of a Cassandra database, and going all the way through backup and recovery, performance optimization, and monitoring and securing the data. The book serves as an authoritative and comprehensive guide to the building and management of simple to complex Cassandra databases. The book: Takes you through building a Cassandra database from installation of the software and creation of a single database, through to complex clusters and data centers Provides numerous examples of actual commands in a real-life Cassandra environment that show how to confidently configure, manage, troubleshoot, and tune Cassandra databases Shows how to use the Cassandra configuration properties to build a highly stable, available, and secure Cassandra database that always operates at peak efficiency What You'll Learn Install the Cassandra software and create your first database Understand the Cassandra data model, and the internal architecture of a Cassandra database Create your own Cassandra cluster, step-by-step Run a Cassandra cluster on Docker Work with Apache Spark by connecting to a Cassandra database Deploy Cassandra clusters in your data center, or on Amazon EC2 instances Back up and restore mission-critical Cassandra databases Monitor, troubleshoot, and tune production Cassandra databases, and cut your spending on resources such as memory, servers, and storage Who This Book Is For Database administrators, developers, and architects who are looking for an authoritative and comprehensive single volume for all their Cassandra administration needs. Also for administrators who are tasked with setting up and maintaining highly reliable and high-performing Cassandra databases. An excellent choice for big data administrators, database administrators, architects, and developers who use Cassandra as their key data store, to support high volume online transactions, or as a decentralized, elastic data store.

This document brings together a set of latest data points and publicly available information relevant for Digital Customer Experience Technology. We are very excited to share this content and believe that readers will benefit from this periodic publication immensely.

" Eric and Russell were early adopters of Cassandra at SimpleReach. In Practical Cassandra, you benefit from their experience in the trenches administering Cassandra, developing against it, and building one of the first CQL drivers. If you are deploying Cassandra soon, or you inherited a Cassandra cluster to tend, spend some time with the deployment, performance tuning, and maintenance chapters... If you are new to Cassandra, I highly recommend the chapters on data modeling and CQL. " – From the Foreword by Jonathon Ellis, Apache Cassandra Chair Build and Deploy Massively Scalable, Super-fast Data Management Applications with Apache Cassandra Practical Cassandra is the first hands-on developer's guide to building Cassandra systems and applications that deliver breakthrough speed, scalability, reliability, and performance. Fully up to date, it reflects the latest versions of Cassandra—including Cassandra Query Language (CQL), which dramatically lowers the learning curve for Cassandra developers. Pioneering Cassandra developers and Datastax MVPs Russell Bradberry and Eric Lubow walk you through every step of building a real production application that can store enormous amounts of structured, semi-structured, and unstructured data. Drawing on their exceptional expertise, Bradberry and Lubow share practical insights into issues ranging from querying to deployment, management, maintenance, monitoring, and troubleshooting. The authors cover key issues, from architecture to migration, and guide you through crucial decisions about configuration and data modeling. They provide tested sample code, detailed explanations of how Cassandra works " under the covers, " and new case studies from three cutting-edge users: Ooyala, Hailo, and eBay. Coverage includes Understanding Cassandra's approach, architecture, key concepts, and primary use cases— and why it's so blazingly fast Getting Cassandra up and running on single nodes and large clusters Applying the new design patterns, philosophies, and features that make Cassandra such a powerful data store Leveraging CQL to simplify your transition from SQL-based RDBMSes Deploying and provisioning through the cloud or on bare-metal hardware Choosing the right configuration options for each type of workLoad Tweaking Cassandra to get maximum performance from your hardware, OS, and JVM Mastering Cassandra's essential tools for maintenance and monitoring Efficiently solving the most common problems with Cassandra deployment, operation, and application development

Apache Spark is one of the fastest growing technology in BigData computing world. It support multiple programming languages like Java, Scala, Python and R. Hence, many existing and new framework started to integrate Spark platform as well in their platform e.g. Hadoop, Cassandra, EMR etc. While creating Spark certification material HadoopExam technical team found that there is no proper material and book is available for the Spark SQL (version 2.x) which covers the concepts as well as use of various features and found difficulty in creating the material. Therefore, they decided to create full length book for Spark SQL and outcome of that is this book. In this book technical team try to cover both fundamental concepts of Spark SQL engine and many exercises approx. 35+ so that most of the programming features can be covered. There are approximately 35 exercises and total 15 chapters which covers the programming aspects of SparkSQL. All the exercises given in this book are written using Scala. However, concepts remain same even if you are using different programming language. This book is good for following audience - Data scientists - Spark Developer - Data Engineer - Data Analytics - Java/Python Developer - Scala Developer

If you're an application developer familiar with SQL databases such as MySQL or Postgres, and you want to explore distributed databases such as Cassandra, this is the perfect guide for you. Even if you've never worked with a distributed database before, Cassandra's intuitive programming interface coupled with the step-by-step examples in this book will have you building highly scalable persistence layers for your applications in no time.

Imagine what you could do if scalability wasn't a problem. With this hands-on guide, you ' ll learn how the Cassandra database management system handles hundreds of terabytes of data while remaining highly available across multiple data centers. This expanded second edition—updated for Cassandra 3.0—provides the technical details and practical examples you need to put this database to work in a production environment. Authors Jeff Carpenter and Eben Hewitt demonstrate the advantages of Cassandra ' s non-relational design, with special attention to data modeling. If you ' re a developer, DBA, or application architect looking to solve a database scaling issue or future-proof your application, this guide helps you harness Cassandra ' s speed and flexibility. Understand Cassandra ' s distributed and decentralized structure Use the Cassandra Query Language (CQL) and cqlsh—the CQL shell Create a working data model and compare it with an equivalent relational model Develop sample applications using client drivers for languages including Java, Python, and Node.js Explore cluster topology and learn how nodes exchange data Maintain a high level of performance in your cluster Deploy Cassandra on site, in the Cloud, or with Docker Integrate Cassandra with Spark, Hadoop, Elasticsearch, Solr, and Lucene

This book explains the key feature to develop a complex and stable network that helps to gather the data to optimize the asset performance and maximize the production in the Industries leveraging on the cloud infrastructure and services. By the end, you can design the Industrial IoT network and the architecture for processing its data in the cloud.

