PLCT S.A de C.V

MONGODB

Descripción General

Curso orientado a usuarios y desarrolladores de aplicaciones que requieren acceder a información almacenada en un modelo de documentos NoSQL

Objetivo

Que el estudiante aprenda y aplique las técnicas y metodologías de procesamiento de información almacenada en un modelo de documentos NoSQL

Duración

20 horas

Requisitos

Conocimientos básicos de Linux.

www.cursoslinux.com.mx
ventas@plct.com.mx
PLCT S.A. de C.V.
Tel.: 55 4522 7839/55 1800 7696/7224447684

PLCT S.A de C.V

PLCT S.A de C.V

1. Aggregation
   - 1.1. count
   - 1.2. distinct
   - 1.3. group
   - 1.4. Using a Finalizer
   - 1.5. Using a Function as a Key
   - 1.6. MapReduce
   - 1.7. Example 1: Finding All Keys in a Collection
   - 1.8. Example 2: Categorizing Web Pages
   - 1.9. MongoDB and MapReduce
1. Advanced Topics
   - 1.1. Database Commands
   - 1.2. How Commands Work
   - 1.3. Command Reference
   - 1.4. Capped Collections
   - 1.5. Properties and Use Cases
   - 1.6. Creating Capped Collections
   - 1.7. Sorting Au Naturel
   - 1.8. Tailable Cursors
   - 1.9. GridFS: Storing Files
   - 1.10. Getting Started with GridFS: mongofiles Working with GridFS from the MongoDB Drivers
   - 1.11. Under the Hood
   - 1.12. Server-Side Scripting
   - 1.13. db.eval
   - 1.14. Stored JavaScript
   - 1.15. Security
   - 1.16. Database References
   - 1.17. What Is a DBRef?
   - 1.18. Example Schema
   - 1.19. Driver Support for DBRefs
   - 1.20. When Should DBRefs Be Used?
1. Administration
   - 1.1. Starting and Stopping MongoDB
   - 1.2. Starting from the Command Line
   - 1.3. File-Based Configuration
   - 1.4. Stopping MongoDB
   - 1.5. Monitoring
   - 1.6. Using the Admin Interface
   - 1.7. serverStatus

1.8. mongostat

1.9. Third-Party Plug-Ins

1.10. Security and Authentication

1.11. Authentication Basics

1.12. How Authentication Works

1.13. Other Security Considerations

1.14. Backup and Repair

1.15. Data File Backup

1.16. mongodump and mongorestore

1.17. fsync and Lock

1.18. Slave Backups

1.19. Repair

1. Replication

1.1. Master-Slave Replication

1.2. Options

1.3. Adding and Removing Sources

1.4. Replica Sets

1.5. Initializing a Set

1.6. Nodes in a Replica Set

1.7. Failover and Primary Election

1.8. Performing Operations on a Slave

1.9. Read Scaling

1.10. Using Slaves for Data Processing

1.11. How It Works

1.12. The Oplog

1.13. Syncing

1.14. Replication State and the Local Database

1.15. Blocking for Replication

1.16. Administration

1.17. Diagnostics

1.18. Changing the Oplog Size

1.19. Replication with Authentication

1. Sharding

1.1. Introduction to Sharding

1.2. Autosharding in MongoDB

1.3. When to Shard

1.4. The Key to Sharding: Shard Keys

1.5. Sharding an Existing Collection

1.6. Incrementing Shard Keys Versus Random Shard Keys

1.7. How Shard Keys Affect Operations