MongoDB Database and Security

Topics:

Introduction to MongoDB and Atlas

- Why a new database?

- The Document Data Model

    - Agility

    - Usability

    - Utility

    - Scalability

- When to use MongoDB

- Comparison with Relational Databases

- Launching a MongoDB Atlas Cluster *

- Connecting to your cluster *

- The MongoDB shell *

- Essential commands *

Storage and Retrieval

- Creating Documents

- Bulk versus single writes

- Basic query operators *

- Filtering and projection *

- Using cursors *

- Range and Logic operators *

- Array operators *

- Basic update operations *

- Relative update operations *

- Updating, locking and concurrency

- Deleting documents

Security

- Authentication models

- Authorization

  - Roles

  - LDAP

- Encryption

  - In flight

  - At rest

  - In use

- Auditing

- Additional security measures