

# RedBush Technologies

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## Mongo dB Syllabus

- Introduction
- Advantages of MongoDB over RDBMS
- Data modeling
- Package Content
- Command Line Options
- Install As Service
- Verify Server
- Getting Help in the Shell
- Database Backup and Restore

## CRUD Operations

- Storage
- BSON
- Saving Documents
- Collections
- Document Id
- ObjectId
- Insert
- Insert with Id
- Update Command
- Update Demo
- Set Operator
- Unset Operator
- Rename Operator
- Push Operator
- Pull Operator
- Pop Operator
- Array Type
- Multi Update
- Find And Modify
- Query With Sort
- Bulk Write
- Demo Find And Modify

## Finding Documents

- Introduction
- Overview
- find()
- Equality
- Projection

- Comparison
- \$not
- \$in
- Arrays
- \$all
- \$nin
- Dot Notation
- Sub-Document
- null and \$exists
- And
- Cursor
- sort()
- limit()
- skip()
- findOne()

## **Indexing**

- Overview
- Create Index
- dropIndex()
- Indexing Array Fields
- Indexing Sub-Document Fields
- MongoDB - Indexing Limitations
- Conclusion

## **Using MongoDB with:**

- Java
- Node.js
- PHP