

Course Welcome and Overview

Welcome to this introductory NoSQL course. After completing this course, you'll acquire foundational knowledge of NoSQL history, categories, concepts, and uses, including working with distributed data. You'll also gain valuable insights and experience with Apache MongoDB and Cassandra, two prominent NoSQL databases. In addition to the module labs, you'll prove your skills in a peer-graded project and your overall knowledge with the final quiz. Gain cloud-based NoSQL skills when you complete the optional IBM Cloudant module.

Course Content

This course is divided into 5 modules. You should set a goal to complete at least one module per week.

Module 1: Basics of NoSQL

- Basics of NoSQL
- Working with Distributed Data

Module 2: Introducing MongoDB—An Open-Source NoSQL Database

- Basics of MongoDB
- Getting Started with MongoDB

Module 3: Introducing Apache Cassandra—An Open-Source NoSQL Database

- Cassandra Basics
- Working with Cassandra

Module 4: Final Project—Working with NoSQL Databases

- Peer-Graded Final Project
- Glossary and Final Quiz
- Course Summary and Next Steps

Module 5: [Optional] Introducing IBM Cloudant—A NoSQL DBaaS

- Cloudant Basics
- Working with Cloudant

The course contains a variety of learning assets: videos, activities, labs, projects, practice, graded quizzes, readings, and discussion prompts. The **videos** and **readings** present the instruction; **labs** and **activities** support that instruction with hands-on learning experiences; **discussions** allow you to interact and learn from your peers; a **peer-review project** that mimics real-world scenarios to showcase your skills; **practice quizzes** enable you to test your knowledge of what you learned; then **graded quizzes** indicate how well you have learned the course concepts.

Enjoy the course!



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