AWS DynamoDB Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The AWS DynamoDB Training by Multisoft Systems is designed for professionals seeking to master the intricacies of AWS's fully managed NoSQL database service, DynamoDB. This course provides a deep dive into the core components and functionalities of DynamoDB, including its seamless scalability and reliable performance in handling web-scale applications.

Module 1: What is Amazon DynamoDB?

- ✓ How it Works?
- ✓ From SQL to NoSQL
- ✓ Additional Resources for Amazon DynamoDB
- ✓ Setting up DynamoDB
- ✓ Accessing DynamoDB

Module 2: Getting Started with DynamoDB

- ✓ Create a Table
- ✓ Write Data
- ✓ Read Data
- ✓ Update Data
- ✓ Query Data
- ✓ Create a Global Secondary Index
- ✓ Query the Global Secondary Index
- ✓ (Optional) Clean Up

Module 3: Getting Started with DynamoDB and the AWS SDKs

- ✓ Create a Table
- ✓ Write an Item
- ✓ Read an Item
- ✓ Update an Item
- ✓ Delete an Item
- ✓ Query a Table
- ✓ Scan a Table
- ✓ Working with AWS SDKs

Module 4: Programming with DynamoDB

- ✓ Overview of AWS SDK Support for DynamoDB
- ✓ Higher-Level Programming Interfaces
- ✓ Running the Code Examples

Module 5: Working with DynamoDB

- ✓ Working with Tables
- ✓ Working with Read and Write Operations
- ✓ Working with Indexes
- ✓ Working with Transactions
- ✓ Working with Streams
- ✓ Working with On-Demand Backup and Restore
- ✓ Working with Point-in-Time Recovery

Module 6: In-Memory Acceleration with DAX

- ✓ How it Works?
- ✓ DAX Cluster Components
- ✓ Creating a DAX Cluster
- ✓ Consistency Models
- ✓ Developing with the DAX Client
- ✓ Managing DAX Clusters
- ✓ Monitoring DAX
- ✓ DAX T3/T2 Burstable Instances
- ✓ DAX Access Control
- ✓ DAX Encryption at Rest
- ✓ DAX Encryption in Transit
- ✓ Using Service-Linked Roles for DAX
- ✓ Accessing DAX Across AWS Accounts

Module 7: Data Modeling

- ✓ Data Modeling Foundations
- ✓ Data Modeling Building Blocks
- ✓ Data Modeling Schema Design Packages

Module 8: Monitoring and Troubleshooting

- ✓ Logging and Monitoring in DynamoDB
- ✓ Logging and Monitoring in DAX
- ✓ Contributor Insights
- ✓ Using User Notifications with Amazon DynamoDB
- ✓ Latency
- ✓ Throttling

Module 9: Integrating with Other AWS Services

- ✓ Integrating with Amazon Cognito
- ✓ Integrating with Amazon Redshift
- ✓ Integrating with Amazon EMR
- ✓ Integrating with S3
- ✓ Quotas and Limits
- ✓ API Reference