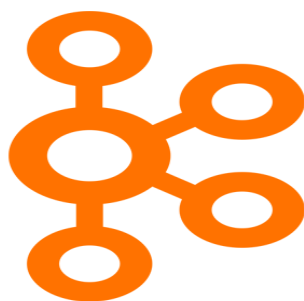


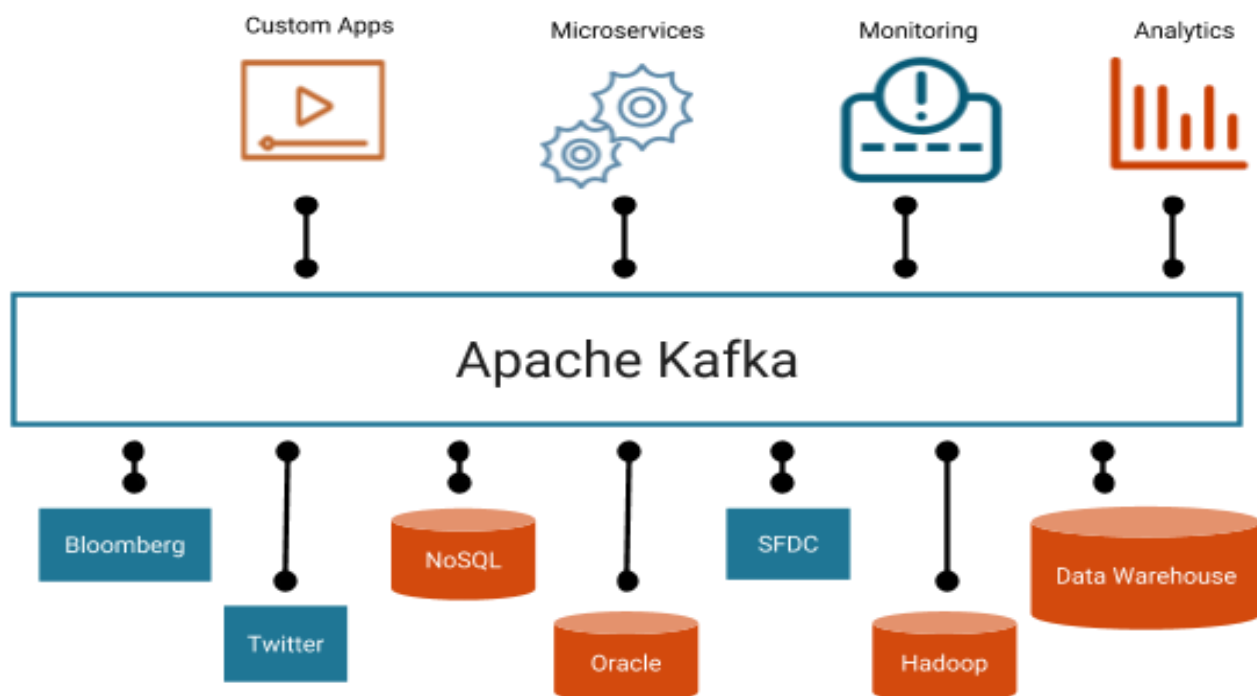


LEARN, THINK, INNOVATE



Apache Kafka

Certification Training



Overview

Let eMexo Technologies **Best Apache Kafka Training in Electronic City Bangalore** take you from the fundamentals of Apache Kafka to Advance Apache Kafka and make you an expert in developing real-time Apache Spark applications. Here are the major topics we cover under this Apache Kafka course Syllabus **Introduction to Big Data & Apache Kafka, Kafka Producer, Kafka Consumer, Kafka Internals, Kafka Cluster Architectures & Administering Kafka, Kafka Monitoring & Kafka Connect, Kafka Stream Processing, Integration of Kafka With Hadoop, Storm & Spark, and Integration of Kafka With Talend & Cassandra**. Each topic will be covered in a practical way with examples for our **Apache Kafka Course in Electronic City Bangalore**.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies which they teach. We hire only the Best Apache Spark industry specialists as trainers for our **Apache Kafka Certification Training in Electronic City Bangalore**.

If you are looking for **Apache Kafka Certification Course in Electronic City Bangalore**, eMexo Technologies is the **Best Apache Kafka Training Institute in Electronic City Bangalore**. Come over to our training institute for a free demo class. Let our trainer give you a demo on Apache Kafka and only then do you make the decision to enroll in the training program.

Training Features

Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

Assignments

Each class will be followed by a practical assignment which that can be completed before the next class.

Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and know exactly what the interviewer will look for in the candidate. Experienced trainers share interview questions and conduct mock interviews to help prepare for the actual interview.

Key Features

eMexo Technologies offers the **Best Apache Kafka Training Course in Electronic City Bangalore** with the TOP industry expert trainers.

Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach

- ★ Expert & Certified Trainers
- ★ 100% Job Oriented Training
- ★ Real World use cases and Scenarios
- ★ Completed 500+ Batches
- ★ Certification Guidance

Unit 1: Introduction to Big Data & Apache Kafka

- Introduction to Big Data
- Big Data Analytics
- Need for Kafka
- What is Kafka?
- Kafka Features
- Kafka Concepts
- Kafka Architecture
- Kafka Components
- ZooKeeper
- Where is Kafka Used?
- Kafka Installation
- Kafka Cluster
- Types of Kafka Clusters
- Configuring Single Node Single Broker Cluster
- Hands-On

Unit 2: Kafka Producer

- Configuring Single Node Multi Broker Cluster
- Constructing a Kafka Producer
- Sending a Message to Kafka
- Producing Keyed and Non-Keyed Messages
- Sending a Message Synchronously & Asynchronously
- Configuring Producers
- Serializers
- Serializing Using Apache Avro
- Partitions
- Hands-On

Unit 3: Kafka Consumer

- Consumers and Consumer Groups
- Standalone Consumer
- Consumer Groups and Partition Rebalance
- Creating a Kafka Consumer
- Subscribing to Topics
- The Poll Loop
- Configuring Consumers
- Commits and Offsets
- Rebalance Listeners

- Consuming Records with Specific Offsets
- Deserializers
- Hands-On

Unit 4: Kafka Internals

- Cluster Membership
- The Controller
- Replication
- Request Processing
- Physical Storage
- Reliability
- Broker Configuration
- Using Producers in a Reliable System
- Using Consumers in a Reliable System
- Validating System Reliability
- Performance Tuning in Kafka
- Hands-On

Unit 5: Kafka Cluster Architectures & Administering Kafka

- Use Cases – Cross-Cluster Mirroring
- Multi-Cluster Architectures
- Apache Kafka's MirrorMaker
- Other Cross-Cluster Mirroring Solutions

- Topic Operations
- Consumer Groups
- Dynamic Configuration Changes
- Partition Management
- Consuming and Producing
- Unsafe Operations
- Hands-On

Unit 6: Kafka Monitoring & Kafka Connect

- Considerations When Building Data Pipelines
- Metric Basics
- Kafka Broker Metrics
- Client Monitoring
- Lag Monitoring
- End-to-End Monitoring
- Kafka Connect
- When to Use Kafka Connect?
- Kafka Connect Properties
- Hands-On

Unit 7: Kafka Stream Processing

- Stream Processing
- Stream-Processing Concepts

- Stream-Processing Design Patterns
- Kafka Streams by Example
- Kafka Streams: Architecture Overview
- Hands-On

Unit 8: Integration of Kafka With Hadoop, Storm & Spark

- Apache Hadoop Basics
- Hadoop Configuration
- Kafka Integration with Hadoop
- Apache Storm Basics
- Configuration of Storm
- Integration of Kafka with Storm
- Apache Spark Basics
- Spark Configuration
- Kafka Integration with Spark
- Hands-On

Unit 9: Integration of Kafka With Talend & Cassandra

- Flume Basics
- Integration of Kafka with Flume
- Cassandra Basics such as and KeySpace and Table Creation
- Integration of Kafka with Cassandra
- Talend Basics

➤ Integration of Kafka with Talend

➤ Hands-On

FAQs

1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on oriented. You learn a concept, you practice it then and there with trainers. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

2. What is the course duration? How and when do you plan to complete the course?

We generally cover our courses in 30 hours, however, we know that we can't put a hard-stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 28 hours or 35 hours, doesn't matter.

3. What is the material provided in the training?

We have industry standard course material which is used by our trainers to train you. At the end of the training, apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

4. Do you help in preparing for the interview?

Our trainers are working professionals who work in MNCs. They are the experts in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

5. Who are your trainers?

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organizations.

6. What is the total batch size per course?

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

7. Do you provide certification for the course?

Yes, at the end of training we provide a certification of completion.

8. Will I be joining a new batch or being merged with another batch?

You will be added to a new batch.

9. Is fast-track training available?

Yes, we also provide fast-track training for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

10. Do you assist in job placement?

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

11. Timings for training - Regular training/weekend training?

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12. Will you be working on a live project during training?

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you on the implementation.

13. What happens if I miss a class?

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

14. Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counselor on the phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.