

APACHE KAFKA : 16-20hrs

Apache Kafka Training Topics	
Introduction of Kafka Basics and Messaging System	<ol style="list-style-type: none"> 1. Messaging System 2. Distributed Messaging System 3. Point to Point Messaging system 4. Publisher and Subscriber Messaging System 5. Introduction Event Processing and CEP 6. Use of Kafka 7. What is Kafka 8. Kafka Architecture 9. Different components in the Kafka architecture. 10. Role of zookeeper, Kafka Broker, Kafka Cluster, Producers and Consumers.
Download, Installation and Configuration	<ol style="list-style-type: none"> 1. Download Kafka, Zookeeper , install and configure
Core Internals of Apache Kafka	<ol style="list-style-type: none"> 1. Topics 2. Partitions 3. Consumers 4. Producers 5. Working with Topic, producer and consumers 6. Analysing Commit Log
Kafka APIs and Usage	<ol style="list-style-type: none"> 1. Core API's and its usage
Kafka Brokers	<ol style="list-style-type: none"> 1. What is Broker 2. Running multiple brokers 3. Working with Producer, Consumer and Broker 4. Leader, Replica and ISR attributes
Kafka Producers	<ol style="list-style-type: none"> 1. Kafka Producer 2. Working with Producer to connect with Kafka Cluster. 3. implement the Kafka producer using Java 4. Different partitioning mechanism 5. Configuration of Topic
Kafka Consumer	<ol style="list-style-type: none"> 1. Kafka Consumer 2. implement the Kafka Consumer 3. Offset Management in Kafka Consumer 4. Automatic and Manual Offset Management 5. Consumer Groups its usage and

	<p>Advantages.</p> <ol style="list-style-type: none"> 6. Consumer Group id and its benefits. 7. Implementation of consumer group 8. Resetting offset in consumer
Kafka Client - GUI Tool	<ol style="list-style-type: none"> 1. Download, install and demo about the Kafka GUI client tool that will be used to connect and Manage the Kafka cluster.
Apache Kafka Security and Authentication	<ol style="list-style-type: none"> 1. Kafka security implementation , 2. Enabling SSL in Kafka Broker, 3. Accessing SSL secured broker using Console Consumer/Producer 4. Configure SSL in Kafka Producer , Consumer 5. Deleting a topic
<p>Kafka End to End Process Flow</p> <p>Kafka Spark Integration</p> <p>Kafka Storm Integration</p> <p>Kafka High Availability and Consistency</p>	