Curriculum 2 Days

ClickHouse Training and Certification Course

Day - 1 Day - 2 **ClickHouse Architecture** Query Optimization Techniques Columnar storage o Projections, Indices, JOINs Materialized Views and Live Views MergeTree engines Working with JSON, CSV, Parquet, and Kafka Connectors Installing ClickHouse (Standalone, Docker, Cloud options) **Monitoring & Metrics Creating Tables** System Tables MergeTree Oueries Replacing Performance stats Summing Aggregating engines Distributed ClickHouse Setup Shards o Replicas **Inserting & Querying Data** ZooKeeper basics Basics and syntax Hands-On Lab Hands-On Lab o Real-time analytics pipeline (Kafka → ClickHouse) Install ClickHouse and load sample datasets Wrap-up Q&A, and Use Case Discussion