

# Cassandra DB- Open House Workshop

Date: 14th -15th Sep 2013 at Bangalore

[Hurry Register Now!](#)

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## Introduction

Apache Cassandra is a second-generation distributed database originally open-sourced by Facebook. Its write-optimized shared-nothing architecture results in excellent performance and scalability. Cassandra moves away from the master-slave model and instead uses a peer-to-peer model. This means there is no single master but all the nodes are potentially masters. This makes the writes and reads extremely scalable and even allows nodes to function in cases of partition tolerance.

## Who should attend

Java Developers / Architects, Data warehouse developers /Architects, Big data Professionals, Database Developers,Techno Managers, CTO's

## Pre requisites for attending Cassandra Training

Basic knowledge of unix

## Objective

1. Understanding Distributed , parallel ,cloud computing ,No sql concepts
2. Setting up Cassandra infrastructure , Modeling, Architecture.
3. Understanding concepts of Column families.
4. Reading ,writing data of data and other advance concepts such as performance tuning,etc
5. Working with Thrift , Avro and other API's
6. Good hands-on exposure

## Detailed Course Content

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### Introducing Cassandra

- Distributed and Decentralized
- Elastic Scalability
- High Availability and Fault Tolerance
- Tuneable Consistency
- Brewer's CAP Theorem
- Row-Oriented
- Schema-Free
- High Performance

### Use Cases for Cassandra

- Large Deployments
- Lots of Writes, Statistics, and Analysis
- Geographical Distribution
- Evolving Applications

### Installing Cassandra

- Running Cassandra
- Starting the Server
- Running the Command-Line Client Interface
- Basic CLI Commands
- Hands-on Session

### The Cassandra Data Model

- The Relational Data Model
- A Simple Introduction
- Clusters
- Keyspaces
- Hands-on Session

### Column Families

- Column Family Options
- Columns
- Wide Rows, Skinny Rows
- Column Sorting
- Super Columns
- Composite Keys

### The Cassandra Architecture

- System Keyspace
- Peer-to-Peer
- Gossip and Failure Detection
- Anti-Entropy and Read Repair
- Memtables, SSTables, and Commit Logs
- Hinted Handoff
- Compaction
- Bloom Filters
- Tombstones
- Hands-on Session

### Clients

- Basic Client API
- Thrift
- Avro
- Hands-on Session

### Reading and Writing Data

- Setup and Inserting Data
- Using a Simple Get
- Seeding Some Values
- Hands-on Session

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## Faculty

Trainer has +18 years of industry experience in Product Architecture, Competency Development, Product Management, Architecting, designing and implementation large scale Cloud, BigData, Business transformation projects. Currently working on Big Data related technologies like (Cassandra , Hadoop, Map Reduce and PIG) and NoSQL data stores like MongoDB and Cassandra.He has trained more than +1000 professionals and provided trainings to Genpact,Ericsson,TCS,IGT,Augusta Networks, SaxGlobal,Yume,etc

**You can use the links provided below to get a feel of our training methodology and feedback.**

**Training Feedback:** <http://intellipaat.com/testimonials/corporate-training/>

**Live RecordedSessionLink:** <http://www.youtube.com/watch?v=qISzE VuSfQ4>

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**Offers:**

\*2000/- discount for early birds enrolling before 20-August-13.

\*10% group discount for group of 4 or more participants

\*5 % group discount on group of 3 participants

**Time : 09:30 AM to 05:30 PM**

**Venue Details:**

Will be Confirmed to the Registered Participants

**Any clarifications, Please contact:**

**Shilpi Jain/ Diwakar**

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W: [www.intellipaat.com](http://www.intellipaat.com)

**Hurry Register Now!****Fee Details:**

**Rs. 20000.00 + 12.36% Service Tax for Per Participant.**

(Includes Lunch, Tea /Coffee) Subject to availability of seats.

**[Terms & Conditions.](#)**

**Payment Options:**

**Account Name: Intellipaat software solution pvt. Ltd.,**

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**Bank Account Number: 678505600001**

**Account Type : Current Account (CA)**

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Jaipur-302020 (raj).**

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