Redis Foundation

Code:	CN1-Redis
Length:	3 days
URL:	[View Online](#)

This course provides technical staff with a comprehensive introduction to the Redis key/value platform. The course begins with an overview of the architecture and operation of Redis. Each student will setup and configure their own Redis instance for testing. Redis data structure server features are examined in detail including a comprehensive examination of the various Redis data types. Example Redis clients are constructed in class and lab sessions using several languages, demonstrating a wide range of Redis commands and best practices. Optimal memory use is discussed in the context of key eviction schemes and distribution. Transactions, replication and high availability models are examined along with Redis security features. Examples and labs make use of Python, Ruby and JavaScript, it is helpful if students are familiar with at least one of these. The course also introduces the Redis Lua scripting interpreter and demonstrates it use and benefits.

Skills Gained

- Provide experienced development, devops and operations staff with a comprehensive introduction to the Redis advanced Key/Value cache and store.

Who Can Benefit

- Developers, IT and QA Staff, Technical Managers, Professional Services and DevOps personnel

Prerequisites

- Each attendee will require the ability to run a 64 bit virtual machine (provided with the course). Basic Linux command line skills are valuable but not required.

Course Details

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- Day 1

1. Introducing Redis
2. Basic Setup and Admin
3. Redis data types
4. Operating a Redis System

- Day 2

1. Programming Redis

2. Commands, Pipelining and Pub/Sub

3. Memory, expiration and key eviction

4. Transactions and Locks

- Day 3

1. Mass Insertions and Replication

2. Clustering and HA

3. Lua Scripting

4. Security

Schedule (as of 4)

Date	Location

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Strategy
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