Implementing Cisco Multicast (V 2.0) (MCAST)

**ID** CI-MCAST  **Price** US$ 3,695  **Duration** 5 days

**Who should attend**

This course is intended for:

- Network professionals including System Engineers (SEs)
- Partners
- Customers

**Prerequisites**

The knowledge and skills you must have before attending this course are as follows:

- Work experience and configuration skills for Cisco routers and LAN switches
- Cisco Certified Network Associate (CCNA) certification: Interconnecting Cisco Network Devices: Accelerated (CCNAX) or Interconnecting Cisco Network Devices Part 1 (ICND1) and Interconnecting Cisco Network Devices Part 2 (ICND2)
- Implementing Cisco IP Routing v2.0 (ROUTE)

**Course Content**

The Implementing Cisco Multicast (MCAST) v2.0 course is a five-day instructor-led course covering the fundamentals of IP multicasting, which includes multicast applications, sources, receivers, group management, and IP multicast routing protocols (such as Protocol Independent Multicast, PIM) used within a single administrative domain (intradomain).

The issues of switched LAN environments and reliable IP multicasting are covered as well. The course provides technical solutions for simple deployments of IP multicast within a provider or customer network. The curriculum provides the configuration and troubleshooting guidelines for implementation of IP multicast on Cisco routers. The labs provide you with the hands-on experience needed to successfully deploy IP multicast.

**Detailed Course Outline**

- Course Introduction
- Module 1: IP Multicast Concepts and Technologies
- Module 2: Multicast on the LAN
- Module 3: PIM Sparse Mode
- Module 4: Rendezvous Point Engineering
- Module 5: PIM Sparse Mode Protocol Extensions
- Module 6: Multiprotocol Extensions for BGP
- Module 7: Interdomain IP Multicast
- Module 8: IP Multicast Security
- Module 9: Multicast Optimization and High Availability Features
- Module 10: Applications of Multicast
- Labs