

Juniper Junos Multicast Routing (JMR)

Code: ACBE-JUN-JMR

Days: 2

Course Description:

This two-day course is designed to provide students with detailed coverage of multicast protocols including Internet Group Management Protocol (IGMP), Protocol Independent Multicast-Dense Mode (PIM-DM), Protocol Independent Multicast-Sparse Mode (PIM-SM), and Multicast Source Discovery Protocol (MSDP). Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos operating system and in monitoring device and protocol operations.

Course Summarize:

Day 1

Chapter 1: Course Introduction

Chapter 2: Introduction to Multicast

- Overview of Multicast
- Multicast Addresses
- Reverse Path Forwarding
- Internet Group Management Protocol

Chapter 3: Multicast Routing Protocols

- Overview of Multicast Routing Protocols
- PIM-DM
- PIM-SM

Day 2

Chapter 4: MSDP

- MSDP
- Anycast RP

Chapter 5: Source-Specific Multicast

- Overview of SSM Operation
- SSM Addresses
- IGMPv3 and SSM
- PIM-SM and SSM
- SSM Case Study

Chapter 6: Multicast and Policy

- Filtering PIM Join Messages
- Implementing a Scope Policy
- Filtering BSR Messages
- Filtering SA Messages