



# Cisco Video Infrastructure Implementation

## What you'll learn in this course

This course will provide you with the necessary knowledge and skills to implement a complete Cisco TelePresence solution, including TelePresence endpoints, integration of premise with cloud solutions, meeting solutions, and management software. It describes Cisco business TelePresence solutions and enables students to implement and troubleshoot basic and advanced TelePresence network solutions.

Upon completion of this course, you will be able to:

Define Cisco Business TelePresence Solutions components and architectures

Implement Cisco TelePresence Video Communication Server (Expressway) for basic and advanced video networks

Implement Cisco TelePresence Management Suite (TMS)

Configure Cisco Meeting Server Features

Define integration of Cisco Collaboration Premise Solutions with Cisco Cloud, including Cisco Spark, Cisco Spark Hybrid, and WebEx

## Course duration

- Instructor-led training: 5 days in the classroom with hands-on practice
- E-learning: 5 days of hands-on practice, plus equivalent of 3 days of content with practice and challenges

## Who should enroll

- Channel Partners
- Customers
- Employees

## Course details

### Objectives:

Upon completion of this course, you will be able to:

- Define Cisco Business TelePresence Solutions components and architectures
- Implement Cisco TelePresence Video Communication Server (Expressway) for basic and advanced video networks
- Implement Cisco TelePresence Management Suite (TMS)
- Configure Cisco Meeting Server Features
- Define integration of Cisco Collaboration Premise Solutions with Cisco Cloud, including Cisco Spark, Cisco Spark Hybrid, and WebEx

### Recommended knowledge and training

It is recommended that a learner has the following knowledge and skills before attending this course:

- Basic Computer Literacy
- Basic IP Network Literacy
- Basic knowledge of video conferencing and streaming fundamentals
- Completion of CCNA Collaboration

## How to enroll

To enroll in the VII course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

### Outline

#### Module 1: Advanced Cisco Expressway Features

- Lesson 1-1: Introducing Cisco Video Network Solutions
- Lesson 1-2: Exploring Cisco Expressway Basic Setup
- Lesson 1-3: Explaining Regular Expressions in a Cisco Expressway
- Lesson 1-4: Deploying Components of Cisco Expressway Security
- Lesson 1-5: Exploring the Fundamentals of Subzones on a Cisco Expressway
- Lesson 1-6: Administering Call Control on a Cisco Expressway
- Lesson 1-7: Implementing Subzone Bandwidth Management on a Cisco Expressway
- Lesson 1-8: Implementing Zones on a Cisco Expressway
- Lesson 1-9: Exploring Clustering on the Cisco Expressway
- Lesson 1-10: Applying Troubleshooting on the Cisco Expressway

#### Module 2: Advanced Cisco Meeting Server Features

- Lesson 2-1: Introducing the Cisco Meeting Server
- Lesson 2-2: Exploring Cisco Meeting Server API Configuration
- Lesson 2-3: Exploring Cisco Meeting Server Resilient and Scalable Deployments
- Lesson 2-4: Exploring Additional Features with Cisco Meeting Server
- Lesson 2-5: Module Self-Check
- Lesson 2-6: Appendix

#### Module 3: Cisco Collaboration Meeting Room Solutions with Cisco TelePresence Server

- Lesson 3-1: Introducing Cisco Collaboration Meeting Room Cloud, Premises, and Hybrid Products
- Lesson 3-2: Deploying the Cisco TelePresence Server and Cisco TelePresence Conductor
- Lesson 3-3: Applying Troubleshooting to Cisco CMR Premises Solutions
- Lesson 3-4: Module Self-Check

#### Module 4: Cisco TelePresence Management Suite Solution

- Lesson 4-1: Explaining Cisco TMS Installation
- Lesson 4-2: Describing Cisco TMS Operation
- Lesson 4-3: Explaining Cisco TMS Conference Scheduling and Management
- Lesson 4-4: Configuring Permissions on Cisco TMS for Administration
- Lesson 4-5: Applying Troubleshooting to Cisco TMS
- Lesson 4-6: Module Self-Check

#### Module 5: Cisco Cloud Solutions – WebEx and Spark

- Lesson 5-1: Introducing Cisco WebEx and Cisco Spark Cloud Solutions
- Lesson 5-2: Exploring Cisco Spark Administration Configuration
- Lesson 5-3: Deploying Cisco Spark Hybrid Services
- Lesson 5-4: Exploring Cisco Spark APIs and BOTs Configuration
- Lesson 5-5: Module Self-Check

#### Module 6: Cisco Telepresence Content Server (Optional Module)

- Lesson 6-1: Examining Cisco TCS Operation and Configuration

