Current Technologies
Computer Learning Centers

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Platinum Learning

WHERE GREAT TRAINING HAPPENS EVERYDAY!

Deploying and Administering Cisco Spaces (CISCO-SPACES-CT-DW)

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This 5-day, hands-on course provides a practical, end-to-end understanding of Cisco Spaces for administrators, wireless engineers, collaboration engineers, smart building teams, and technical decision makers. The course teaches students how Cisco Spaces turns Cisco infrastructure into a smart spaces platform by using wireless networks, collaboration devices, sensors, maps, location metadata, telemetry, analytics, and partner integrations.

Course Duration
5 days
Course Price
$4,495.00 or TBA CLCs
Methods of Delivery
- Instructor Led
- Virtual ILT
- On-Site

How you'll benefit

This class will help you:

- Understand Cisco Spaces architecture and capabilities
- Plan and design Cisco Spaces deployments
- Deploy and integrate Cisco Spaces
- Implement indoor location and asset tracking using Wi-Fi, BLE, FTM, UWB, maps, tags, and location services.
- Use occupancy and environmental analytics to understand space utilization, density, workplace patterns, and environmental conditions.
- Deploy Smart Workspaces, Space Manager, and Space Experiences to manage rooms, desks, maps, digital signage, indoor navigation, and wayfinding.
- Configure smart desking and room booking, including calendar integrations, Room Navigator workflows, Microsoft Teams Rooms, and customized experiences.
- Integrate smart rooms and building systems using gateways, sensors, BACnet, equipment mapping, and energy and sustainability capabilities.
- Implement guest and visitor experiences
- Integrate Cisco Spaces with enterprise applications
- Understand Commercial and FedRAMP deployment differences
- Monitor and troubleshoot Cisco Spaces deployments

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Wireless Network Administrators & Engineers
- Collaboration Administrators & Engineers
- Cisco Spaces Administrators
- Network Administrators & Engineers
- Smart Building / IoT / OT Support Teams
- Facilities and Workplace Technology Teams

- Retail, Venue, Healthcare, Education, Manufacturing, and Hospitality Technology Teams
- Helpdesk and NOC Support Teams
- Deployment Partners and Contractors
- IT Managers responsible for workplace technology or smart building projects

Prerequisites

The following background knowledge and preparation are strongly recommended:

- Working knowledge of enterprise wired and wireless networking concepts.
- Familiarity with Cisco Catalyst Wireless or Cisco Meraki wireless administration is recommended.
- Basic familiarity with Cisco Collaboration Control Hub and Webex collaboration devices is helpful.
- Comfort using browser-based administration portals, VPN access, and multi-factor authentication for remote lab work.

OUTLINE

Module 1: Cisco Spaces Fundamentals
Lesson 1: Cisco Spaces Fundamentals
Lesson 2: Platform Architecture
Lesson 3: Spaces OS
Lesson 4: Network as a Sensor
Lesson 5: Applications and Product Tour
Lesson 6: Platform Value and IT Ownership
Lesson 7: Industry Outcomes
Lesson 8: Future-Ready Smart Buildings

Module 2: Smart Spaces Planning, Licensing, ROI, and Design
Lesson 1: Planning Cisco Spaces
Lesson 2: Understanding Packages
Lesson 3: ROI, Business Case, and Economic Justification
Lesson 4: Design and Deployment Planning
Lesson 5: Evaluation, Trial, and Proof-of-Value Planning
Lesson 6: Find My License Workflow

Module 3: Wireless Design for Cisco Spaces
Lesson 1: Connectivity Design vs. Location Design
Lesson 2: AP Density
Lesson 3: AP Placement
Lesson 4: Catalyst AP Capability Matrix
Lesson 5: Triangulation
Lesson 6: BLE
Lesson 7: UWB
Lesson 8: Validation Best Practices

Module 4: Spaces OS Foundation
Lesson 1: Spaces OS Architecture
Lesson 2: Tenant Preparation
Lesson 3: On-Premise Networking
Lesson 4: Wireless Onboarding
Lesson 5: Catalyst Integration
Lesson 6: Meraki Integration
Lesson 7: Cisco Spaces Connector

Lesson 8: Cisco Collaboration Control Hub Integration

Module 5: Maps and Validation
Lesson 1: Map Types
Lesson 2: Location Hierarchy
Lesson 3: Network Maps
Lesson 4: Digital Maps
Lesson 5: AP Auto Location
Lesson 6: Navigation Architecture
Lesson 7: Workspace Maps

Module 6: Indoor Location
Lesson 1: Location Architecture
Lesson 2: Location Math
Lesson 3: Wi-Fi Location
Lesson 4: BLE Location
Lesson 5: FTM and UWB
Lesson 6: CMX Location Engines
Lesson 7: Detect & Locate
Lesson 8: Accuracy Testing
Lesson 9: Location Troubleshooting

Module 7: IOT and Sensors
Lesson 1: IOT Architecture
Lesson 2: Catalyst IOT Activation
Lesson 3: Device Compatibility
Lesson 4: Meraki MT Telemetry
Lesson 5: Partner Sensors
Lesson 6: Sensor Health
Lesson 7: Meraki MT Lifecycle
Lesson 8: Sensor Placement
Lesson 9: IOT Troubleshooting

Module 8: Asset Tracking
Lesson 1: Asset Tracking Architecture
Lesson 2: Wi-Fi, BLE, and UWB
Lesson 3: Design and Infrastructure
Lesson 4: IoT Services and Tags
Lesson 5: Asset Locator and Inventory
Lesson 6: UWB Mobile Finding
Lesson 7: Rules, Reporting, and Support

Module 9: Occupancy and Analytics
Lesson 1: Occupancy Architecture, and Outcomes
Lesson 2: Occupancy Sources
Lesson 3: Wi-Fi People Counting and Deduplication
Lesson 4: Live Occupancy and Density Analytics
Lesson 5: Location Analytics and Behavior Metrics
Lesson 6: Space Utilization and Work Pattern
Lesson 7: Environmental Analytics
Lesson 8: Portal Beam Deployment
Lesson 9: PIR Sensor Deployment
Lesson 10: Calculation Models, Dashboards, and Reports
Lesson 11: Operations, Validation, and Troubleshooting

Module 10: Smart Workspaces Integration
Lesson 1: Smart Workspaces Architecture
Lesson 2: Collaboration Device Readiness
Lesson 3: Smart Rooms and Device Context

Module 11: Space Manager
Lesson 1: Space Manager Architecture
Lesson 2: Space Data Model and Map Readiness
Lesson 3: Manage Rooms
Lesson 4: Manage Desks
Lesson 5: Device and Sensor Associations
Lesson 6: Bulk Administration
Lesson 7: Troubleshooting Space Manager

Module 12: Space Experiences
Lesson 1: Display Publishing
Lesson 2: Digital Signage
Lesson 3: Display Endpoint and Browser Readiness
Lesson 4: Experience Design and Governance
Lesson 5: Space Explorer Web App and Discovery
Lesson 6: Indoor Navigation Readiness
Lesson 7: Wayfinding Routes
Lesson 8: QR Handoff and Blue-Dot Guidance
Lesson 9: Walk Testing and Troubleshooting

Module 13: Smart Desking and Room Booking
Lesson 1: Booking Architecture
Lesson 2: Licensing and Readiness
Lesson 3: Desk Modeling
Lesson 4: Desk Booking and Check-In
Lesson 5: Room Booking
Lesson 6: Calendar Integration
Lesson 7: Room Navigator Workflows
Lesson 8: Microsoft Teams Rooms
Lesson 9: Customization and Macros
Lesson 10: Validation and Troubleshooting

Module 14: Smart Rooms and BMS
Lesson 1: Smart Rooms Architecture
Lesson 2: Readiness and Survey
Lesson 3: Gateway Onboarding
Lesson 4: Network and OT Security
Lesson 5: BACnet Integration
Lesson 6: Equipment Mapping
Lesson 7: Energy and Sustainability
Lesson 8: Operations and Failback

Module 15: Guest Access, Captive Portals, Open Roaming, and Offload
Lesson 1: Captive Portal Basics
Lesson 2: Network Readiness
Lesson 3: Portal Publishing
Lesson 4: Authentication Design
Lesson 5: SSID and Redirect

Lesson 6: Catalyst Wireless Infrastructure Configuration
Lesson 7: Portal Rules
Lesson 8: Trusted Devices
Lesson 9: Open Roaming Foundations
Lesson 10: Open Roaming Profiles and Policy
Lesson 11: Hotspot Connector and Meraki RADSEC
Lesson 12: Carrier Offload
Lesson 13: Onboarding SDK
Lesson 14: Operations and Validation

Module 16: Personas, Contextual Engagements, Retail Analytics, and Webex Connect
Lesson 1: Retail Outcomes and the Connected Store
Lesson 2: Personas, Identity, Consent, and Context
Lesson 3: Cisco Spaces Retail Analytics
Lesson 4: Acquisition and Onboarding Sources
Lesson 5: Webex Connect Architecture
Lesson 6: Cisco Spaces and Webex Connect
Lesson 7: Measurement, Optimization, and Business Operations
Lesson 8: Security, Privacy, Reliability, and Troubleshooting

Module 17: xAPIS and Integrations
Lesson 1: Developer Access
Lesson 2: Data Export
Lesson 3: Streaming API
Lesson 4: Meta API Events
Lesson 5: Firehose and Partners
Lesson 6: Detect & Locate APIs
Lesson 7: Connector APIs
Lesson 8: CMX APIs
Lesson 9: AI Maps SDK
Lesson 10: Wayfinding SDK
Lesson 11: Enterprise Integrations
Lesson 12: API Troubleshooting

Module 18: Commercial vs FedRAMP
Lesson 1: Security Boundary and Access
Lesson 2: Licensing and Application Availability
Lesson 3: Integration and Deployment Restrictions
Lesson 4: Operational Delta and Acceptance

Module 19: Operations and Troubleshooting
Lesson 1: Troubleshooting and Evidence
Lesson 2: Connector and Data Path Health
Lesson 3: Integrations and Location Context
Lesson 4: Applications and Analytics
Lesson 5: Administration and Change Control
Lesson 6: Escalation and Handoff