

# IUWMS (IMPLEMENTING CISCO UNIFIED WIRELESS MOBILITY SERVICES) 2.0

## Objetivo

Este curso foi criado para preparar o profissional de nível de certificação CCNP Wireless. Os estudantes vão aprender integrar os serviços de mobilidade na rede proporcionado pelo produto MSE (Mobility Service Engine). Após completar este treinamento o aluno estará apto à: Projetar a infra-estrutura WLAN para proporcionar os serviços em mobilidade (MSE) Implantar e manter serviços avançados com Cisco WCS/NCS and Cisco WCS Navigator Implantar Cisco Context-Aware Services (MSE) Implantar Cisco Mesh Networks Implantar MSE em redes externas (Mesh)

## Público Alvo

O público principal é formado por pessoas envolvidas no manuseio técnico de plataformas e soluções da Cisco em Wireless utilizando MSE e NCS/WCS, considerando atividades em instalação, configuração, operação e solução de problemas.

## Pré-Requisitos

Para melhor aproveitamento do curso, os participantes devem atender aos seguintes pré-requisitos: Ter participado nos cursos ICND1/ICND2 (CCNA Routing & Switching) e IUWNE (CCNA Wireless) ou possuir conhecimentos equivalentes.

## Carga Horária

40 horas (5 dias).

## Conteúdo Programático

- Design WLAN Infrastructure for Mobility
- Understanding and Utilizing Design Recommended Practices
- Understanding Implications of Layer 2 and Layer 3 Roaming
- Designing for High Availability
- Understanding Single SSID Designs with Mobility

- Implement and Manage Advanced Services with Cisco WCS and Cisco WCS Navigator
- Configuring Cisco WCS Controller and Access Point Templates
- Configuring Cisco WCS for WLC Auto Provisioning
- Implementing Cisco WCS Partitioning
- Scheduling Wireless Access using Cisco WCS
- Configuring Reports

Configuring Administrative Tasks  
Monitoring and Converting Autonomous Access Points Using Cisco WCS  
Understanding the Roles, Features, and Functions of Cisco WCS Navigator

Design the Wireless Network for Location  
Understanding Location Techniques  
Understanding Deployment Requirements  
Understanding Applications of RFID, Chokepoint, and TDoA

Cisco Location-Based Services Implementation  
Describing Mobility Services Architecture and Appliances  
Configuring the Cisco 2700 Series Wireless Location Appliance and the Cisco 3300 Series MSE  
Integrating and Managing the Cisco 3300 Series MSE and Cisco 2700 Series Wireless Location Appliance with Cisco WCS  
Configuring and Tuning Location  
Introducing Wireless Networks and Topologies  
Configuring, Generating, and Interpreting Location and Event Notifications  
Integrating Third-Party Applications  
Maintaining the Cisco 2700 Series Wireless Location Appliance and Cisco 3300 Series MSE  
Troubleshooting Location

Implement and Manage an Enterprise Mesh Network  
Describing Indoor Enterprise Mesh  
Describing Mesh Formation  
Implementing an Enterprise Mesh  
Configuring Enterprise Mesh Advanced features  
Configuring Cisco WCS for an Indoor Mesh  
Troubleshooting Indoor Mesh

Describe Outdoor Wireless  
Describing Mobile Routing  
Describing Wireless Bridging  
Describing Outdoor Mesh

Labs:  
Design WLAN Infrastructure for Mobility  
Configuring Mobility Groups and Domains  
Configuring High Availability  
Configuring AP Groups  
Configuring a Single SSID for Multiple WLANs  
Troubleshooting Controller Communications

Implement and Manage Advanced Services with Cisco WCS and Cisco WCS Navigator  
Configuring Cisco WCS Controller and Access Point Templates  
Implementing Cisco WCS Partitioning  
Scheduling Wireless Access  
Managing a WGB from Cisco WCS

Monitoring and Converting and Autonomous Access Point from Cisco WCS

Cisco Location-Based Services Implementation

Preparing Cisco WCS for Location

Integrating and Managing the Cisco MSE

Implement and Manage an Enterprise Mesh Network

Configuring Mesh Access Points

Cisco WCS Mesh Support: Maps and Mesh General Features