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## Managing Cisco Wireless LANs

**Duration: 4 Days**    **Course Code: WMNGI**

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### Overview:

This course is focused on Cisco's Unified Wireless Network Management tools and is designed to provide engineers with the knowledge and skills required to configure, administer, manage, troubleshoot, and optimize the network.

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### Target Audience:

This course is designed for: Any individual involved in managing a network that incorporates wireless devices.

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### Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
  - Explain how Cisco Unified Wireless Network management components help resolve current network management challenges
  - Describe how to configure Cisco Prime Infrastructure (PI)
  - Configure components through the Configure tab and templates
  - Configure the guest access feature set
  - Integrate the Cisco PI and the MSE to provide Location Services and track mobile clients
  - Utilize a recommended troubleshooting methodology and the various tools available to gather and assess system data to isolate various common Cisco PI failures
  - Monitor wired devices, Cisco ISE, wireless controllers, APs, rogue APs, ad hoc events, and CleanAir heatmaps, charts, and reports
  - Configure the Connected Mobile Experiences solution
  - Configure Bonjour Services and Application Visibility and Control (AVC) solutions for application and device support
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### Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Attendance of the CUWN course
  - Understanding of basic networking principles, network management, RF and Cisco Lifecycle Services
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### Follow-on-Courses:

Delegates looking for more indepth courses on specific areas of wireless technology should consider the following :

- **CUWSS** - Conducting Cisco Unified Wireless Site Survey
- **IAUWS** - Implementing Advanced Cisco Unified Wireless Security
- **IUVVN** - Implementing Cisco Unified Wireless Voice Networks
- **IUWMS**- Implementing Cisco Unified Wireless Mobility Services.

*All of the above courses are required for those delegates looking to achieve the Cisco Certified Network Professional Certification for Wireless.*

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## Content:

### Cisco Unified Wireless Network Management Solutions

- Introducing Lifecycle Management
- Introducing Cisco Prime Network Control System
- Introducing Cisco Mobility Services Engine
- Introducing Cisco Identity Services Engine

### Network Management System Configuration

- Configuring High Availability and Firewall Rules for Cisco PI
- Managing Administrative Users
- Navigating Cisco PI
- Using the MapEditor
- Using the Planning Tool

### Component Configuration Through Cisco PI

- Configuring Components Through Cisco PI Configure Tab
- Working with Controller Templates and Switch Location Templates
- Working with AP Configuration and Migration Templates
- Setting Up Autoprovisioning and Scheduling Configuration Tasks

### Guest Access

- Defining Guest Access Methods
- Configuring Guest Access Features Through Cisco PI

### Mobility Services Engine

- Configuring and Integrating the MSE
- Configuring and Tuning Location Services
- Tracking Mobile Clients
- Supporting Location Services
- Troubleshooting Context-Aware Services

### Configuring Adaptive Wireless IPS

### Connected Mobile Experience

- Overview of CMX
- Implementing CMX
- Configuring Mobility Services Advertisement Protocol

### Application and Device Support

- Overview of Bonjour Services
- Overview of Application Visibility and Control (AVC)

### PI Maintenance and Troubleshooting Tasks

- Performing Maintenance Operations
- Troubleshooting Cisco PI Operational Issues

### Network Monitoring and Troubleshooting

- Monitoring and Troubleshooting the Network
- Managing Network Performance

## Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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