

SD-WAN Management – Advanced

7 – 11 February 2027
Dubai (UAE)

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The background of the entire page features a grayscale image of a chessboard. In the foreground, a large gold king piece and a silver pawn are prominently displayed. To their left, another silver pawn is visible. In the far background on the right, a portion of another gold piece can be seen. Overlaid on this image are several concentric, light gray circles that radiate from the center, creating a sense of depth and focus.

SD-WAN Management – Advanced

Ref: 3254971_327625 **Date:** 7 – 11 February 2027 **Location:** Dubai (UAE) **Fees:** 4900 GBP

Introduction

Software-Defined Wide Area Network SD-WAN technology has transformed enterprise networking by enabling centralized control, enhancing performance, and reducing costs. This advanced course dives into the technical, strategic, and operational elements of SD-WAN management. It is designed for IT professionals who already have experience with WANs and want to master SD-WAN deployment, monitoring, optimization, and security.

Course Objectives

By the end of this course, participants will be able to:

- Analyze and evaluate SD-WAN architectures and deployment models
- Configure advanced policies for application performance, security, and routing
- Optimize SD-WAN for high availability, scalability, and QoS
- Integrate SD-WAN with cloud services, SASE, and Zero Trust frameworks
- Implement SD-WAN monitoring, analytics, and troubleshooting methodologies

Course Outlines

Day 1: Advanced SD-WAN Architecture and Design

- Evolution of SD-WAN: From Traditional WANs to AI-Driven Networks
- Centralized Orchestration and Control: Deep Dive into Controllers and Edge Devices
- Multi-Cloud and Hybrid Integration: Architectural Considerations
- Advanced Deployment Models Hub-and-Spoke, Full Mesh, Dynamic Path Selection

Day 2: Application-Aware Routing and Policy Configuration

- Policy-Based Routing PBR: Advanced Rule Configuration
- Application Classification and Real-Time Optimization
- Dynamic Path Selection and Failover Strategies
- Segment Routing and MPLS/Internet Link Coexistence

A graphic featuring the text 'UK Training PARTNER' in a bold, sans-serif font. The word 'PARTNER' is significantly larger and more prominent than 'UK Training'. The text is set against a background of concentric circles and a chessboard pattern with several chess pieces (a king, a queen, and a pawn) visible in the lower right corner.

Day 3: Security in SD-WAN Environments

- Integration with Secure Access Service Edge SASE Framework
- Next-Gen Firewall Features, IPS/IDS in SD-WAN Edge Devices
- End-to-End Encryption and Key Management
- Zero Trust Networking: Concepts and SD-WAN Implementation

Day 4: Monitoring, Analytics, and Troubleshooting

- Real-Time Monitoring and Telemetry Tools
- SD-WAN Analytics: KPIs, Anomalies, and Predictive Insights
- Troubleshooting Connectivity and Performance Issues
- Using AI and ML for Autonomous Network Optimization

Day 5: Advanced Use Cases and Future Trends

- Integration with IoT, Edge Computing, and 5G
- SD-WAN as a Service SD-WANaaS and Service Chaining
- Vendor Comparison and Open Standards MEF 3.0, ONUG, etc.
- Future Trends: AI-Driven Networking, Intent-Based Networking IBN

Why Attend this Course: Wins & Losses!

- Master the latest in SD-WAN architecture and security — or risk falling behind in managing complex enterprise networks
- Learn to integrate SD-WAN with cloud and Zero Trust frameworks — or struggle with inefficient, fragmented systems
- Gain expertise in monitoring and analytics — or remain reactive to performance issues
- Understand advanced deployment models — or face limited scalability and poor failover
- Stay ahead of future networking trends — or miss critical innovation opportunities

Conclusion

This course equips participants with the technical depth and strategic insight to lead SD-WAN implementations in modern enterprises.

From advanced deployment models to future-ready integrations, attendees will leave with actionable skills to enhance security, performance, and operational agility.

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A graphic illustration of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point, suggesting a signal or network. The text 'UK Training PARTNER' is overlaid on the image.