

# Advanced IT Management: DevOps, Networks, and Operations Excellence Training Course

30 November – 4 December 2026
Barcelona

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# Advanced IT Management: DevOps, Networks, and Operations Excellence Training Course

**Ref:** 103600346_80517 **Date:** 30 November – 4 December 2026 **Location:** Barcelona **Fees:** 5700 Euro

## Course Overview:

Welcome to the Advanced IT Management: DevOps, Networks, and Operations Excellence Training Course. This corporate training program is designed to equip IT leaders, network managers, and operations specialists with the frameworks and practices needed to thrive in complex IT environments. Leveraging IT Management, Network Management, DevOps Training, Operations Management, and IT Infrastructure, participants will master DevOps Implementation, Advanced DevOps, and IT Management Training. The course offers insights into Network Automation, IT Systems Management, IT Compliance Management, and Secure IT Operations. Key topics include Cloud IT Management, Digital Transformation IT, Continuous Integration IT, Agile IT Management, and Monitoring IT Operations. This training also focuses on Automation in IT Management, Enterprise IT Management, IT DevOps Strategies, and Service Management IT. Emphasis is placed on building resilient High Availability IT Systems, applying Risk Management IT, ensuring IT Change Management, and optimizing Scalable IT Operations for future-ready success.

## Target Audience:

- IT Managers
- Network Operations Managers
- IT Directors
- DevOps Engineers
- Systems Administrators
- Cloud Infrastructure Specialists
- Enterprise Architects
- IT Project Managers
- Compliance Officers
- Security Analysts

## Targeted Organizational Departments:

- IT Department
- Network Operations Center NOC
- Cloud Infrastructure Department
- Information Security
- IT Governance and Compliance Teams
- DevOps and Automation Teams
- Business Continuity Planning Units
- Digital Transformation Offices

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## Targeted Industries:

- Information Technology Services
- Financial Services and Banking
- Telecom and Networking Companies
- Cloud Services Providers
- E-Commerce and Online Platforms
- Healthcare and Hospital IT Networks
- Government and Public Sector IT
- Energy and Utility Companies

## Course Offerings:

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

- Master IT Management and Advanced DevOps principles for scalable operations
- Implement Network Automation and IT Deployment Automation effectively
- Secure and monitor infrastructures using Network Security and Telemetry for IT Operations
- Apply DevOps Best Practices to optimize IT Systems Management and IT Compliance Management
- Lead Cloud Operations Management and Service Management IT transformations
- Design strategies for Business Continuity IT and High Availability IT Systems
- Manage IT Change Management and Risk Management IT with agile methods

## Training Methodology:

The Advanced IT Management: DevOps, Networks, and Operations Excellence Training Course applies a hands-on, interactive learning approach. Participants will engage in real-world case studies focused on IT Operations, DevOps Implementation, and Automation in IT Management. Group work, practical exercises, and scenario simulations will explore Network Infrastructure DevOps, IT Systems Reliability, and Secure IT Operations. Interactive sessions will deepen understanding of Continuous Integration IT, Cloud IT Management, and Service Management IT. Participants will benefit from dynamic discussions, live feedback activities, and peer-to-peer collaboration, reinforcing key concepts of Scalable IT Operations, Business Continuity IT, and SLA Management IT.

## Course Toolbox:

- Course Material
- DevOps Templates and Checklists
- Case Study Library on Network Management and IT Operations
- Access to Online Simulators for IT Operations and Network Automation
- Reading Materials covering Advanced DevOps, Cloud IT Management, and Risk Management IT
- Tools examples for Monitoring IT Operations, IT Deployment Automation, and Risk Management IT

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# Course Agenda

## Day 1: Foundations of Advanced IT and Network Management

- **Topic 1:** Introduction to IT Management and IT Infrastructure Foundations
- **Topic 2:** Network Management Principles and Secure IT Operations
- **Topic 3:** Building Scalable IT Systems and High Availability IT Systems
- **Topic 4:** Network Automation Essentials for Operations Management
- **Topic 5:** Digital Transformation IT: Aligning Business and IT Goals
- **Topic 6:** Lean IT Management: Streamlining Processes and Reducing Waste
- **Reflection & Review:** Key Principles of IT and Network Management Excellence

## Day 2: DevOps Implementation and Agile IT Operations

- **Topic 1:** DevOps Training Fundamentals and DevOps Best Practices
- **Topic 2:** Continuous Integration IT for Faster Delivery Cycles
- **Topic 3:** DevOps and ITSM Integration for IT Operations Efficiency
- **Topic 4:** Agile IT Management Techniques for Dynamic Environments
- **Topic 5:** Automation in IT Management: Tools and Techniques
- **Topic 6:** IT Systems Management and Optimizing Workflows
- **Reflection & Review:** Best Practices for Agile DevOps in IT Operations

## Day 3: Building Secure, Compliant, and Resilient IT Systems

- **Topic 1:** Risk Management IT: Identifying and Mitigating Risks
- **Topic 2:** IT Compliance Management and Regulatory Requirements
- **Topic 3:** Network Security Strategies for IT Managers
- **Topic 4:** Monitoring IT Operations and Using Telemetry for Early Detection
- **Topic 5:** IT Change Management and Managing Change in Agile Environments
- **Topic 6:** Business Continuity IT and Disaster Recovery Planning
- **Reflection & Review:** Ensuring Security, Compliance, and Resilience

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### Day 4: Cloud and Remote Operations Excellence

- **Topic 1:** Cloud IT Management: Architecting for the Cloud
- **Topic 2:** Cloud Operations Management for Scalability and Agility
- **Topic 3:** Managing Remote Network Management and Distributed Teams
- **Topic 4:** Network Infrastructure DevOps: Best Practices for Cloud and On-Premise
- **Topic 5:** IT Deployment Automation: Speeding Up Reliable Deployments
- **Topic 6:** SLA Management IT: Setting and Meeting Performance Standards
- **Reflection & Review:** Innovations in Cloud and Remote IT Operations

### Day 5: Strategic Leadership and Future Trends in IT Management

- **Topic 1:** Enterprise IT Management: Leading Transformation Initiatives
- **Topic 2:** Advanced IT DevOps Strategies for Business Growth
- **Topic 3:** Service Management IT: Enhancing IT Service Delivery
- **Topic 4:** Scalable IT Operations: Designing for Growth and Flexibility
- **Topic 5:** Future Trends: Automation in IT Management and AI in Networks
- **Topic 6:** Career Roadmap for IT Managers and DevOps Leaders
- **Reflection & Review:** Building Personal and Organizational IT Excellence

## FAQ:

### What specific qualifications or prerequisites are needed for participants before enrolling in the course?

No specific prerequisites are required. However, a basic understanding of IT systems, networks, and cloud technologies will help maximize the benefit from the course.

### How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4 to 5 hours, with breaks and interactive activities included. The total course duration spans one week, approximately 20 to 25 hours of instruction.

### How does DevOps enhance IT Management and Network Operations?

DevOps enhances IT Management by breaking down silos between development and operations, introducing automation, continuous integration, and monitoring that leads to faster deployments, higher reliability, and improved network performance.

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## How This Course is Different from Other Advanced IT Management Courses:

This course offers an integrated approach by combining IT Management, Network Management, and IT Operations with the latest DevOps Training methodologies. It covers topics such as Advanced DevOps, Cloud IT Management, Automation in IT Management, and Continuous Integration IT through practical, hands-on exercises. Unlike standard programs, this course focuses on building High Availability IT Systems, applying Risk Management IT, and ensuring IT Compliance Management across different organizational structures. Participants will learn how to manage Scalable IT Operations, lead Cloud Operations Management initiatives, and adopt Lean IT Management practices, making this course a holistic, actionable, and transformative experience.