



*Training Course:  
IT Infrastructure Management*

*4 - 15 October 2026  
Dubai (UAE)*

## Training Course: IT Infrastructure Management

Training Course code: IT236567 From: 4 - 15 October 2026 Venue: Dubai (UAE) - Training Course Fees: 8470 € Euro

### Introduction

The IT Infrastructure Management training program is designed by Global Horizon Training Center to provide IT professionals with the knowledge and practical understanding required to effectively manage, maintain, and optimize modern IT infrastructure environments. As organizations increasingly rely on resilient, secure, and scalable technology platforms, IT infrastructure has become a critical foundation for business continuity and digital transformation.

This comprehensive program covers the essential components of enterprise IT infrastructure, including servers, storage, virtualization, networking, cloud integration, monitoring, disaster recovery, capacity planning, security, and operational best practices. Participants will gain a thorough understanding of infrastructure management principles, enabling them to improve system availability, performance, reliability, and operational efficiency.

### Objectives

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

- Understand the architecture and components of modern IT infrastructure.
- Design and manage reliable enterprise infrastructure environments.
- Apply best practices for server, storage, and network administration.
- Optimize infrastructure performance and availability.
- Implement effective monitoring and capacity planning strategies.
- Manage virtualization and cloud-enabled infrastructure.
- Strengthen infrastructure security through layered protection mechanisms.
- Develop backup, disaster recovery, and business continuity plans.
- Manage infrastructure operations using standardized frameworks.
- Improve operational efficiency while reducing infrastructure risks.

### Course Methodology

This program utilizes an interactive and instructor-led learning approach combining:

- Instructor-led presentations

- Interactive discussions
- Infrastructure architecture demonstrations
- Enterprise infrastructure case studies
- Guided exercises
- Group activities
- Infrastructure design workshops
- Operational planning sessions
- Knowledge assessments
- Best practice reviews

## Organizational Impact

Upon successful completion of this program, organizations will benefit from:

- Improved infrastructure reliability and availability
- Reduced system downtime
- Better utilization of IT resources
- Enhanced cybersecurity posture
- Improved disaster recovery preparedness
- More efficient infrastructure operations
- Increased scalability for future business growth
- Improved service delivery to business users
- Better compliance with IT governance practices
- Lower operational and maintenance costs

## Target Audience

This program is designed for:

- IT Infrastructure Engineers
- System Administrators

- Network Administrators
- Infrastructure Managers
- IT Operations Personnel
- Data Center Engineers
- Technical Support Engineers
- Cloud Infrastructure Engineers
- IT Supervisors
- Technology Professionals responsible for enterprise infrastructure

## Course Outline

### Day 1 - Fundamentals of IT Infrastructure Management

- Introduction to enterprise IT infrastructure
- Components of IT infrastructure
- Physical vs. virtual infrastructure
- Infrastructure lifecycle management
- Enterprise architecture fundamentals
- Infrastructure governance
- Infrastructure standards
- Current trends in enterprise infrastructure

### Day 2 - Server Infrastructure Management

- Server roles within enterprise environments
- Physical server architecture
- Virtual servers
- Server deployment strategies
- Operating system management
- High availability concepts

- Load balancing fundamentals
- Server performance optimization

### Day 3 - Storage Infrastructure Management

- Enterprise storage technologies
- Direct Attached Storage DAS
- Network Attached Storage NAS
- Storage Area Networks SAN
- Storage performance optimization
- Data lifecycle management
- Storage scalability
- Storage best practices

### Day 4 - Network Infrastructure Management

- Enterprise network architecture
- LAN and WAN fundamentals
- Routing and switching concepts
- Wireless infrastructure
- Network segmentation
- Network redundancy
- Infrastructure connectivity
- Network documentation

### Day 5 - Virtualization and Cloud Infrastructure

- Virtualization concepts
- Hypervisor technologies
- Virtual machine management
- Resource allocation

- Infrastructure consolidation
- Cloud computing fundamentals
- Hybrid infrastructure
- Infrastructure scalability

#### Day 6 - Infrastructure Monitoring and Performance Management

- Infrastructure monitoring principles
- Key Performance Indicators KPIs
- Performance baselines
- Infrastructure health monitoring
- Capacity planning
- Performance tuning
- Event management
- Reporting and dashboards

#### Day 7 - Infrastructure Security Management

- Infrastructure security principles
- Identity and access management
- Network security fundamentals
- Endpoint protection
- Server hardening
- Vulnerability management
- Patch management
- Security monitoring

#### Day 8 - Backup, Disaster Recovery and Business Continuity

- Backup strategies
- Recovery objectives RPO & RTO

- Disaster recovery planning
- Business continuity planning
- Infrastructure resilience
- Recovery testing
- Data protection
- Incident response coordination

#### Day 9 - IT Operations and Infrastructure Service Management

- IT operations management
- Change management
- Configuration management
- Asset management
- Incident management
- Problem management
- Service availability management
- Infrastructure documentation and reporting

#### Day 10 - Infrastructure Optimization and Future Technologies

- Infrastructure optimization strategies
- Infrastructure automation concepts
- Infrastructure modernization
- Cloud migration planning
- Artificial Intelligence in infrastructure operations
- Infrastructure sustainability
- Emerging technologies
- Developing an enterprise infrastructure improvement roadmap
- Final review and course wrap-up



## Registration form on the Training Course: IT Infrastructure Management

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
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info@gh4t.com  
or training@gh4t.com

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