



*Training Course:  
Certified Data Center Management Professional  
(CDCMP)*

*21 - 25 July 2025  
Barcelona (Spain)  
Grupotel Gran Via 678*

## Training Course: Certified Data Center Management Professional (CDCMP)

Training Course code: IT235427 From: 21 - 25 July 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678 Training Course Fees: 6000 € Euro

### Introduction

The Certified Data Center Management Professional CDCMP training program is designed to provide comprehensive education and hands-on experience for professionals responsible for managing data centers. This intensive 5-day program covers critical aspects of data center design, operations, maintenance, IT infrastructure, network management, and future trends. Participants will gain a deep understanding of industry standards, best practices, and emerging technologies to ensure the efficient and secure operation of data centers.

### Objectives

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

- Understand the fundamental components and types of data centers.
- Apply industry standards and best practices in data center design and operations.
- Manage and maintain data center power and cooling infrastructure effectively.
- Implement robust security measures for physical and network security.
- Develop and execute comprehensive disaster recovery and emergency preparedness plans.
- Optimize IT infrastructure and network management within the data center environment.
- Ensure compliance with relevant regulations and standards.
- Embrace sustainability and energy efficiency practices in data center operations.
- Stay informed about future trends and emerging technologies in the data center industry.

### Target Audience

The CDCMP training program is ideal for:

- Data Center Managers and Administrators
- IT Professionals responsible for data center operations
- Facilities Managers overseeing data center environments
- Network and System Engineers involved in data center management
- Consultants and professionals seeking to enhance their data center management skills
- Individuals aspiring to enter the field of data center management and achieve certification

### Training Program Outline

#### Day 1: Introduction to Data Centers and Standards

- Welcome and Program Overview
- Introduction to Data Centers
  - Definition and types of data centers
  - Importance of data centers in business operations
- Overview of Data Center Standards
  - ANSI/TIA-942, Uptime Institute, ISO/IEC 27001
- Data Center Terminology
- Key Components of Data Centers
  - Servers, storage, networking equipment, power systems, cooling systems

#### Day 2: Data Center Design and Infrastructure

- Site Selection and Planning
  - Factors influencing site selection
  - Environmental considerations
- Data Center Design Principles
  - Scalability, flexibility, efficiency
- Power Infrastructure
  - Power distribution, backup power systems UPS, generators
- Cooling Systems
  - HVAC systems, airflow management, cooling efficiency
- Data Center Layout
  - Rack placement, cable management, physical security

#### Day 3: Data Center Operations and Maintenance

- Data Center Operations Management
  - Daily operations, monitoring, and management tools
- Maintenance Practices
  - Preventive and corrective maintenance
  - Maintenance scheduling and procedures
- Data Center Security
  - Physical security, access control, surveillance systems
- Emergency Preparedness
  - Disaster recovery planning, emergency response procedures

#### Day 4: IT Infrastructure and Network Management

- IT Infrastructure Overview
  - Servers, storage systems, virtualization
- Network Infrastructure
  - Network design, protocols, and devices
- Data Center Network Topologies
  - Common network topologies and their applications
- Network Security
  - Firewalls, intrusion detection/prevention systems, network monitoring
- Data Management and Storage
  - Storage technologies, data backup, and recovery

#### Day 5: Management, Compliance, and Future Trends

- Data Center Management Best Practices
  - Performance monitoring, capacity planning, cost management
- Compliance and Regulatory Requirements
  - Key regulations affecting data centers GDPR, HIPAA, etc.
- Sustainability and Energy Efficiency
  - Green data center practices, energy-efficient technologies
- Future Trends in Data Centers
  - Emerging technologies AI, edge computing, IoT
- Final Review
  - Review of key concepts, Q&A session

## Registration form on the Training Course: Certified Data Center Management Professional (CDCMP)

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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:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
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to: Global Horizon  
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