



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

*15 - 19 February 2027
Barcelona (Spain)*

Training Course: Certified Data Center Management Professional (CDCMP)

Training Course code: IT235427 From: 15 - 19 February 2027 Venue: Barcelona (Spain) - Training Course Fees: 6300 € 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

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