

Data Center Management

1-day course

Course Overview

As new technologies such as blade servers and high performance networks stretch the capacity of power, cooling and connectivity – management practices have to evolve. Increased reliance on IT by organizations means that security, availability and recovery capability must be improved as the complexity increases.

The effective management of data centers requires understanding of technical design limitations, management processes and applying the appropriate best practice.

This one day course gives an introduction to best practice for managing modern data centers which have been designed and built to TIA-942.

Ensuring the facility continues to deliver the environment and the control of mission critical computing is not easy. This course will help guide you through the Data Center minefield.

The course covers the elements that should be incorporated into the management practices covering Data Centers. The course also identifies existing management frameworks and best practices such as ITIL, ISO20000, ISO 20007 and how they affect data center management.

Using case studies and exercises, the course will make students aware of data center management issues, methods and give detailed guidance.

All the Data Center Courses have been fully updated to take into account the requirements of the 2009 EU Code of Conduct on Data Centers Energy Efficiency.

Introduction & objectives

- Understanding the bigger picture
- The concept of best practice

Managing the Data Center Facilities

- ▶ Hand over of the data center facility
- ▶ Establishing the design limits
- ▶ Controlling the environment
- ▶ Maintenance practices
- ▶ Data center inventory and documentation
- ▶ Installation practices
- ▶ Monitoring and ongoing administration of the facility
- ▶ Meeting the needs of regulators and 3rd parties
- ▶ Testing for recovery and resilience
- ▶ Backup and equipment recovery
- ▶ Access and security

75% Theory 25% Exercise

▶ Qualification

- BTEC units applied for
- BICSI CECs ITS 7, NTS 7, RCDD 7
- CNet certificate

▶ Who Should Attend

- IT Directors, IT Managers, Project Managers,
- Network Managers, CTO's
- Facilities Managers
- Data Center Managers
- Designers and Consultants

▶ Related Training

- CDCDP™ - Certified Data Center Design Professional
- CDCD™ - Certified Data Center Design
- CDCT™ - Certified Data Center Technician
- Data Center Cooling
- Data Center Power
- Planning 10-Gigabit Ethernet Networks
- Advanced LAN Design & Network Engineering
- BICSI RCDD
- Project Management (TPMA)
- BICSI ITS Technician

▶ Course Objectives

- To introduce best practice for managing modern data centers which have been designed and built to TIA-942

▶ Prerequisites

- Experience of the data center environment is required

