€TRAINING

Certified Data Centre Facilities Operations Manager

29 April - 10 May 2024
Kuala Lumpur (Malaysia)

Certified Data Centre Facilities Operations Manager

REF: G1367 DATE: 29 April - 10 May 2024 Venue: Kuala Lumpur (Malaysia) - Fee: 8775 Euro

Introduction:

This program is designed to prepare participants for the certification exam only.

In an era defined by the exponential growth of digital data, the management of data center facilities has emerged as a critical function within organizations worldwide. this training program is designed to meet the escalating demand for skilled professionals in this pivotal role. It offers a comprehensive pathway for individuals to gain the expertise and certification necessary to lead the seamless operation of data center facilities, ensuring reliability, security, and efficiency in an increasingly data-centric world.

Program Objectives:

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

- Equip participants with the knowledge and skills necessary to excel in data center facilities management.

- Provide comprehensive coverage of data center infrastructure, energy efficiency, security protocols, and compliance standards.

- Offer practical insights and real-world examples to enhance understanding and application of key concepts.

- Prepare participants for the Certified Data Centre Facilities Operations Manager exam.

Targeted Audience:

- Data center technicians aiming to advance their careers.

- Facility managers overseeing data center operations.

- IT professionals in data center management roles.

- Network engineers and system administrators.

- Experienced data center personnel seeking professional recognition.

Program Outlines:

Unit 1.

Introduction to Data Center Facilities Management:

- Overview of data center infrastructure and operations.

- Understanding the importance of efficient data center management.

- Exploring key components of data center facilities.

- Introduction to industry standards and best practices.

- Case studies highlighting successful data center management strategies.

Unit 2.

Data Center Power and Cooling Systems:

- Understanding power distribution and redundancy in data centers.

- Exploring cooling techniques and HVAC systems.

- Implementing energy-efficient practices for power and cooling.

- Ensuring resilience and reliability in power and cooling infrastructure.

- Troubleshooting common issues related to power and cooling systems.

Unit 3.

Security Protocols and Access Control:

- Implementing physical security measures in data center facilities.

- Understanding access control systems and protocols.

- Ensuring compliance with security standards and regulations.

- Managing security incidents and response procedures.

- Conducting audits and assessments to maintain security posture.

Unit 4.

Environmental Monitoring and Management:

- Monitoring environmental conditions such as temperature and humidity.

- Implementing environmental sensors and monitoring tools.

- Understanding the impact of environmental factors on data center operations.

- Developing strategies to mitigate environmental risks.

- Ensuring environmental compliance and sustainability.

Unit 5.

Network Infrastructure and Connectivity:

- Understanding network architecture and topology in data centers.

- Managing network switches, routers, and cabling infrastructure.

- Implementing redundancy and fault tolerance in network design.

- Optimizing network performance and bandwidth utilization.

- Troubleshooting network issues and optimizing connectivity.

Unit 6.

Hardware Maintenance and Asset Management:

- Implementing hardware maintenance best practices.

- Managing inventory and asset tracking systems.

- Performing routine maintenance and inspections on data center equipment.

- Identifying hardware failures and troubleshooting procedures.

- Developing lifecycle management strategies for data center hardware.

Unit 7.

Disaster Recovery and Business Continuity Planning:

- Developing disaster recovery and business continuity plans.

- Implementing backup and recovery strategies for data center operations.

- Conducting risk assessments and impact analyses.

- Testing and validating disaster recovery procedures.

- Ensuring resilience and continuity in the event of disruptions.

Unit 8.

Compliance and Regulatory Requirements:

- Understanding regulatory requirements and compliance frameworks.

- Implementing policies and procedures to meet compliance standards.

- Conducting audits and assessments to ensure regulatory compliance.

- Addressing data privacy and security regulations.

- Establishing documentation and reporting processes for compliance.

Unit 9.

Vendor Management and Service Level Agreements:

- Managing relationships with data center vendors and service providers.

- Negotiating and establishing service level agreements SLAs.

- Monitoring vendor performance and adherence to SLAs.

- Resolving issues and escalations with vendors.

- Continuously evaluating vendor partnerships for efficiency and effectiveness.

Unit 10.

Professional Development and Career Advancement:

- Exploring career pathways and opportunities in data center management.

- Developing skills and competencies for career advancement.

- Networking and engaging with industry professionals and associations.

- Continuing education and staying updated on industry trends.

- Setting goals and creating a roadmap for professional growth.

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