



PROJACS ACADEMY  
by egis



# Data Centre Management

ادارة مراكز المعلومات

11 – 15 September 2023

Dubai / UAE

## Introduction

This course is designed to provide you with the essential knowledge and skills to manage a data centre effectively and efficiently. You will learn about the best practices and standards for data centre design, operation, maintenance, security, and governance. You will also gain practical experience in applying these concepts to real-world scenarios through case studies and exercises.

## Objectives

By the end of this course, you will be able to:

- Understand the key components and functions of a data centre
- Identify the main challenges and risks associated with data centre management
- Apply the principles of data centre design and planning to optimize performance, availability, and scalability
- Implement the processes and procedures for data centre operation and maintenance
- Evaluate the data centre security requirements and solutions
- Apply the frameworks and methodologies for data centre governance and compliance

## Who Should Attend?

This course is suitable for anyone who is involved in or responsible for managing a data centre, such as:

- Data centre managers and supervisors
- Data centre engineers and technicians
- Data centre architects and consultants
- IT managers and professionals
- Project managers and coordinators

## Course Outline

### Day One

#### Data Centre Overview

- Introduction to data centres
- Data centre components and functions
- Data centre types and classifications
- Data centre trends and challenges

### Day Two

#### Data Centre Design and Planning

- Data centre design principles and standards
- Data centre site selection and layout
- Data centre power and cooling systems
- Data centre cabling and network infrastructure

### Day Three

#### Data Centre Operation and Maintenance

- Data centre operation processes and procedures
- Data centre maintenance activities and schedules
- Data centre monitoring and reporting tools
- Data centre incident management and recovery

### Day Four

#### Data Centre Security

- Data centre security risks and threats
- Data centre security policies and controls
- Data centre physical security measures
- Data centre cyber security solutions

## **Day Five**

### Data Centre Governance and Compliance

- Data centre governance frameworks and methodologies
- Data centre performance measurement and improvement
- Data centre audit and assessment methods
- Data centre compliance requirements and regulations

### Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a 7" Tablet containing a copy of the presentation, slides and handouts
- Post-assessment

### Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

### Schedule

The course agenda will be as follows:

- |                     |                  |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am   |
| • Coffee Break      | 10.00-10.15 am   |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break      | 12.15-12.45 pm   |
| • Technical Session | 12.45-02.30 pm   |
| • Course Ends       | 02.30 pm         |

### Course Fees\*

- **3,200 USD**  
*\*VAT is Excluded If Applicable*



## المقدمة

تم تصميم هذه الدورة لتزويد المشاركين بالمعرفة والمهارات الأساسية لإدارة مركز البيانات بفعالية وكفاءة. سوف تتعلم عن أفضل الممارسات والمعايير لتصميم مركز البيانات وتشغيله وصيانته وأمنه وحوكمته. سوف تكتسب أيضا خبرة عملية في تطبيق هذه المفاهيم على سيناريوهات العالم الحقيقي من خلال دراسات الحالة والتمارين.

## الأهداف

بنهاية هذه الدورة ، ستكون قادرا على:

- فهم المكونات والوظائف الرئيسية لمركز البيانات
- تحديد التحديات والمخاطر الرئيسية المرتبطة بإدارة مركز البيانات
- تطبيق مبادئ تصميم وتخطيط مركز البيانات لتحسين الأداء والتوافر وقابلية التوسع
- تنفيذ العمليات والإجراءات الخاصة بتشغيل وصيانة مركز البيانات
- تقييم متطلبات وحلول أمان مركز البيانات
- تطبيق أطر ومنهجيات حوكمة مركز البيانات والامتثال

## الحضور

هذه الدورة مناسبة لأي شخص يشارك أو مسؤول عن إدارة مركز بيانات، مثل:

- مديرو ومشرفو مراكز البيانات
- مهندسو وفنيو مراكز البيانات
- مهندسو واستشاريو مراكز البيانات
- مديرو ومحترفو تكنولوجيا المعلومات
- مديرو ومنسقو المشاريع