Module Title : **Course CDMS : Certified Data Centre Migration Specialist**

Duration : **2 days**

Course Description

Data Centre Migration is a challenge where an increasing number of Organisations are facing relocation of their Data Centre due to space, power and/or cooling limitations of their current facilities. A Data Centre move could also be voluntary due to other considerations such as consolidation of multiple data centre sites, targeting lower cost of operation (Opex) by improving e ciency and other initiatives.

Data Centre Migrations are exceptionally high-risk undertakings, which most data centre professionals have never undertaken before, or have done only a few times in their life. The level of e ort put into the planning and discovery phase is directly proportionate to the amount of risk mitigated. It is an exercise that requires collaboration with various areas of the business with which one might not normally interface with.

The Data Centre Migration Specialist course is a two-day course designed to expose participants to all aspects of a data centre migration and provides a step-by-step methodology which will enable them to reduce the risks involved of such a complex undertaking. It will also give participants a lot of valuable practical hints and tips provided by trainers who have done multiple complex migrations before.

Audience

The primary audience is an IT, Facilities or Data Centre Operations professional working in and around the data Centre (representing both end-customers and/or service provider/ facilitators) and having to deal with Data Centre Migration Projects and/or Data Centre Strategies. Such as: Project Managers, Data Centre Managers, Operations/ Floor /Facility Managers, IT Managers, Network/System Engineers, Data Centre Sales/ Consultants, Logistic Managers.

Prerequisites

While there are no specific requirements for this course, it is recommended that participants have actual experience in Data Centre and/or IT infrastructures. Having attended CITM and/or CDCP is recommended but not a requirement.

At Course Completion

After completing this course, you will be able to:

- Develop and review their Data Centre Strategy
- Use dierent risk assessment methodologies together with practical tips specically for Data Centre migrations to reduce the risk during a data centre migration
- Understand dierent migration strategies
- Understand the legal aspects when migrating a Data Centre
- Understand the importance of Business Service Reviews and Service Level Objectives
- Size and design the target Data Centre
- Understand the importance of detailed discovery and how dependencies inuence migration waves
- Understand the safety requirements during migration
- Get lots of practical tips when moving to another Data Centre.

Course Outline

Data Centre Strategy

Data Centre Lifecycle

Reasons to migrate a Data Centre

Alternative to Data Centre Migration

Consolidation

Outsourcing

Cloud Computing

Upgrade existing Data Centre or Build New

Project Management

Project Management and methods

Scope statement

Statement of Work (SOW)

Work Breakdown Structure (WBS)

Allocate Time to the project

Cost and estimation methodology

Project Communication

Risk Management

Risk Management and methods

Iverson Associates Sdn Bhd (303330-M)
Suite T113 – T114, 3rd Floor, Centrepoint, Lebuh Bandar Utama
Bandar Utama, 47800 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7726 2678   Fax: 03-7727 9737   Website: www.iverson.com.my

Course Outline :: CDMS ::

Risk identification

Risk assessment methodologies

Qualitative approach

Semi-quantitative approach

Quantitative approach

Risk evaluation

Risk treatment

Risk in Data Centre migrations

Migration Strategies

Different Data Centre Migration Strategies

Heterogeneous Migration

Homogeneous Migration

Physical Migration

Different IT Transformations

Pre Migration Transformation

Migration Transformation

Post Migration Transformation

Legal Aspects

Regulatory requirements

Contractual considerations

Legal aspects when decommissioning

High Level Discovery & Planning

The importance of Business Service Reviews

The concept of Availability

The concept of Recoverability

The importance of Service Level Objectives

Requirements on designing the Target IT Architecture

Information needed for High level planning

Design Target Data Centre

Requirements for the target Data Centre

Sizing the Data Centre

Architectural requirements

Cooling requirements

Power requirements

Security

Detailed Discovery and Planning

The importance of discovery

Automated discovery Tools

Asset Management

Network and System Dependencies

Detailed Migration Planning

Migration Waves

Staffing

Warranties & Insurance

Safety

Safety precautions

Technical safety review

Electrical safety

Lifting

Personal safety during migration

Fire safety during migration

Security

Controversy between access and security

Access control

Managing security during migration

Security during migration

Key management

Practical Hints and tips

Continuous improvement

Implementation

Rehearsal

Route investigation

Resourcing

Logistics team

Packing

Transport

Installing the equipment

Post migration support

End of Project

Why project closure

Lessons learned

Phased completion of project

Criteria for project closure

The outcome of the project

End of project

Exam

Sample questions

Self-study (time permitted)

Exam: Certified Data Centre Migration Specialist