Szkolenie: HPE

Certified Data Center Migration Specialist (CDMS®) Training with Exam

Cel szkolenia:

This course is designed to expose participants to all aspects of a data center migration. It provides a step-by-step methodology which will enable them to reduce the risks involved in such a complex undertaking. It will also provide participants with valuable and practical hints and tips used by seasoned data center professionals who have done multiple complex migrations.

After completion of the course, the attendee will be able to:

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

Audience:

The primary audience is any IT, facilities or data center operations professional working in and around the data center (both end-customers and/or service provider/facilitators) and having to handle data center migration projects and/or data center strategies. These include project managers, data center managers, operations/floor/facility managers, IT managers, network/system engineers, data center sales/consultants, logistic Managers.

Plan szkolenia:

- Data center strategy
  - Data center lifecycle
  - Reasons to migrate a data center
  - Alternative to data center migration

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    - Consolidation
    - Outsourcing
    - Cloud computing
    - Upgrade existing data center 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
    - Risk identification
    - Risk assessment methodologies
    - Qualitative approach
    - Semi-quantitative approach
    - Quantitative approach
    - Risk evaluation
    - Risk treatment
    - Risk in data center migrations
- Migration strategies
    - Different data center 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 and planning

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- 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 center
  - Requirements for the target data center
  - Sizing the data center
  - 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 and 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

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- 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 center migration specialist

Wymagania:

There is no specific prerequisite for the CDMS course. However, participants who have actual experience in the data center and/or IT infrastructures are best suited. Attendance of the CDCP course is recommended but not a requirement.

Poziom trudności



Certyfikaty:

After completing the course, participants receive a certificate of completion of an authorized Veem course.

Certification exams are administered at the end of the last day of training, using paper-based or online format, depending on the country in which the course is delivered. The exam is a 60-minute

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closed book exam, with 40 multiple-choice questions. The candidate requires a minimum of 27 correct answers to pass the exam. The certification is valid for three years after which the student needs to re-certify.

Prowadzący:

Authorized Veem Trainer.

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