

# Cloud Infrastructure Planning and Design v2 (CIPD2)

**ID** CIPD2 **Price** US \$ 3,000.—(excl. VAT) **Duration** 5 days

## Who should attend

This course is intended for architects, designers, and consultants who are involved in the planning and design of cloud infrastructure components.

## Prerequisites

Students are expected to be technical professionals with three or more years of design experience in storage, operating systems, virtualization, networking, business continuity, or disaster recovery.

Recommended prerequisites include: Dell EMC Information Storage and Management, Dell EMC Cloud Infrastructure and Services, VMware Certified Professional (VCP) and Cisco Certified Network Associate (CCNA).

## Course Objectives

Upon successful completion of this course, participants should be able to:

- Apply relevant design processes and techniques when producing an effective cloud infrastructure design.
- Create a cloud infrastructure design that addresses business requirements and constraints that were identified during an assessment.
- Communicate the benefits, challenges, and considerations of various cloud-enabling technologies as well as their relevance in meeting a business requirement or constraint.
- Develop a cloud infrastructure design that includes components such as cloud management, application platform, consumer resources, hybrid and multicloud capabilities, and disaster recovery.

## Course Content

The content of this course is designed to support the course objectives.

### Module: Introduction to Cloud Design

- Driving digital transformation through cloud
- Cloud infrastructure design approach, goals, and scope
- Cloud solution design project lifecycle

### Module: Design Parameters

- Cloud reference architecture
- General design considerations for cloud infrastructure

### Module: Data Collection and Analysis

- Data collection process and metrics
- Data collection tools
- Business value analysis
- TCO and ROI

### Module: Architecting a Do-It-Yourself Solution

- Selection criteria
- Compute considerations
- Storage considerations
- Network considerations

### Module: Architecting a CI/HCI Solution

- CI/HCI selection criteria
- Strategies and design considerations

### Module: Cloud Management Platform (CMP)

- CMP reference architecture
- CMP infrastructure
- Selection criteria for CMP
- CMP design considerations

### Module: Hybrid and Multicloud

- Hybrid and multicloud use cases
- Design considerations for hybrid and multicloud
- Disaster recovery considerations

### Module: Application Development and Deployment Platform

- Key requirements for application platform
- Options to build an application platform
- Design considerations for Do-It-Yourself

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- Design considerations for using PaaS solution

In addition to lecture, this course includes case studies, exercises and labs designed to allow practical experience for the participant.

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## Training Centres worldwide



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