Dell Technologies

D-CI-DS-23

Dell Cloud Infrastructure Design 2023

Certification Description

Proven Professional Website

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Certification Overview

Successfully obtaining this certification enables and validates the candidate's ability to effectively design a cloud infrastructure that supports multiple types of services. The certification supports the skills needed to successfully work within organizations undergoing digital and IT Transformations.

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the Recommended Training.

2. Pass the Cloud Infrastructure Design 2023 Exam.

Note: These details reflect certification requirements as of February 3, 2024.

The Proven Professional Program periodically updates Certifications to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

Dell Technologies Partners: Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Competencies provide partners with the ability to deliver services under their own brand or co-deliver with Dell Technologies. Tiered partners are eligible to obtain Services Competencies upon completing the specific requirements outlined in the Services Competencies Matrix. Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

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Dell Cloud Infrastructure Design 2023

Exam Description

Overview

This exam focuses on knowledge and skills to successfully design a cloud infrastructure that supports multiple types of services. It tests the ability of data center technology professionals to design robust cloud-based infrastructure incorporating components such as cloud management, consumer resources, elasticity, metering, hybrid capabilities, and disaster recovery.

Dell Technologies provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

Exam Topics
Topics likely to be covered on this exam include:

Introduction to Cloud Design and Design Parameters (10%)
- Describe digital business imperatives, cloud concepts, cloud infrastructure design approaches and goals
- Describe cloud solutions design project lifecycle phases
- Describe cloud reference architecture and various cloud design considerations for compute, storage, network, CMP, hybrid and multicloud, and application platform and PaaS solution

Data Collection and Analysis (12%)
- Describe data collection process, metrics, and tools
- Describe analysis process, business value analysis, and design best practices

Architecting a Do-It-Yourself Solution (25%)
- Explain the benefits, challenges, and considerations for designing various compute technologies in a cloud infrastructure
- Explain the benefits, challenges, and considerations for designing various network technologies in a cloud infrastructure
- Explain the benefits, challenges, and considerations for designing various storage technologies in a cloud infrastructure

Duration
90 Minutes
(~60 Questions)

Pass Score: 63%

Practice Test
Exam – D-CI-DS-23

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Architecting a CI / HCI Solution (18%)
- Explain design decisions and considerations for converged infrastructure
- Explain design decisions and considerations for hyper-converged and cloud in a box infrastructure

Cloud Management Platform (10%)
- Describe the key functions of a CMP, CMP reference architecture, and CMP infrastructure
- Describe the key requirements and considerations for designing CMP solutions

Hybrid Cloud and Multi Cloud (15%)
- Describe the design considerations for hybrid cloud and multicloud
- Explain disaster recovery considerations

Application Development and Deployment Platform (10%)
- Describe the application development and deployment environment and its requirements
- Explain the design considerations of Do-It-Yourself and Packaged PaaS solutions

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

Recommended Training
The following curriculum is recommended for candidates preparing to take this exam.

Please complete the following course

Course Title	Course Number	Mode	Available
Cloud Infrastructure Planning and Design v2 – On Demand Course	ES732OCMCIPD2	On-Demand	11/12/18

Note: These exam description details reflect contents as of February 3, 2024.

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Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.