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# 70-473

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## Designing and Implementing Cloud Data Platform Solutions

Exam Summary – Syllabus – Questions



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## Table of Contents

<b>Introduction to 70-473 Exam on Designing and Implementing Cloud Data Platform Solutions .....</b>	<b>2</b>
<b>Microsoft 70-473 Certification Details: .....</b>	<b>2</b>
<b>Microsoft 70-473 Exam Syllabus: .....</b>	<b>3</b>
<b>70-473 Sample Questions: .....</b>	<b>4</b>
<b>Answers to 70-473 Exam Questions: .....</b>	<b>5</b>

# Introduction to 70-473 Exam on Designing and Implementing Cloud Data Platform Solutions

This page is a one-stop solution for any information you may require for Designing and Implementing Cloud Data Platform Solutions (70-473) Certification exam. The Microsoft 70-473 Exam Summary, Syllabus Topics, and Sample Questions provide the base for the actual MCSE - Data Management and Analytics exam preparation, we have designed these resources to help you get ready to take your dream exam.

The Designing and Implementing Cloud Data Platform Solutions credential is globally recognized for validating Designing and Implementing Microsoft Azure Data Platform knowledge. With the MCSE - Data Management and Analytics Certification credential, you stand out in a crowd and prove that you have the Designing and Implementing Microsoft Azure Data Platform knowledge to make a difference within your organization. The Designing and Implementing Cloud Data Platform Solutions Certification (70-473) exam will test the candidate's knowledge on following areas.

## Microsoft 70-473 Certification Details:

Exam Name	Designing and Implementing Cloud Data Platform Solutions
Exam Code	70-473
Exam Duration	120 minutes
Exam Questions	45 to 55 (Since Microsoft does not publish this information, the number of exam questions may change without notice)
Passing Score	700 out of 1000
Exam Price	\$165 (USD)
Training	<a href="#">40441: Designing and Implementing Cloud Data Platform Solutions (three days)</a>
Exam Registration	<a href="#">Register For Certification Exam</a>
Sample Questions	<a href="#">Designing and Implementing Microsoft Azure Data Platform Certification Sample Question</a>
Practice Exam	<a href="#">Designing and Implementing Microsoft Azure Data Platform Certification Practice Exam</a>

## Microsoft 70-473 Exam Syllabus:

Objective	Details
<p><b>Design and implement database solutions for Microsoft SQL Server and Microsoft Azure SQL Database (20–25%)</b></p>	<p>Design a hybrid SQL Server solution</p> <ul style="list-style-type: none"> <li>- Design a Disaster Recovery topology for a hybrid deployment, design a data storage architecture, design a security architecture, design a data load strategy, design a data synchronization strategy</li> </ul> <p>Implement SQL Server on Azure Virtual Machines (VMs)</p> <ul style="list-style-type: none"> <li>- Provision SQL Server on an Azure VM, configure firewall rules, configure and optimize storage, migrate an on-premises database to Microsoft Azure, configure and optimize VM sizes by workload</li> </ul> <p>Design a database solution on Azure SQL database and SQL Server in Azure</p> <ul style="list-style-type: none"> <li>- Design a solution architecture, design a Geo/DR topology, design a security architecture, design a data load strategy, determine the appropriate service tier, determine the appropriate deployment scenario, determine IaaS vs PaaS, determine application access in Azure</li> </ul> <p>Implement Azure SQL Database</p> <ul style="list-style-type: none"> <li>- Provision Azure SQL Database, configure firewall rules, configure Active Geo-Replication, migrate an on-premises database to SQL Database, configure for scale and performance</li> </ul> <p>Design and implement MySQL and PostgreSQL database solutions in Azure</p> <ul style="list-style-type: none"> <li>- Design security, design a data load strategy, determine the appropriate service tier, provision databases and servers, configure firewall rules, migrate to Azure, configure for scale and performance</li> </ul>
<p><b>Design and Implement Security (25–30%)</b></p>	<p>Design and implement SQL Server Database security</p> <ul style="list-style-type: none"> <li>- Configure firewalls; manage logins, users, and roles; assign permissions; configure auditing; configure Transparent Database Encryption (TDE); configure row-level security; configure data encryption; configure data masking; configure Always Encrypted</li> </ul> <p>Design and implement Azure SQL Database security</p> <ul style="list-style-type: none"> <li>- Configure firewalls; manage logins, users, and roles; assign permissions; configure auditing; configure row-level security; configure data encryption; configure data masking; configure Always Encrypted, configure Automatic Threat Detection</li> </ul>
<p><b>Design for high availability, disaster recovery an</b></p>	<p>Design and implement high availability solutions</p>

Objective	Details
<b>High availability and scalability (25–30%)</b>	<ul style="list-style-type: none"> <li>- Design a high-availability solution topology, design a high-availability solution for SQL on Azure VMs, implement high-availability solutions</li> <li>Design and implement scalable solutions</li> <li>- Design a scale-out solution, implement multi-master scenarios with database replication, implement elastic scale for Azure SQL Database</li> <li>Design and implement Azure SQL Database data recovery</li> <li>- Implement self-service restore, copy and export databases, implement long-term retention backups</li> </ul>
<b>Monitor and manage database implementations on Azure (25–30%)</b>	<ul style="list-style-type: none"> <li>Monitor and troubleshoot SQL Server VMs on Azure</li> <li>- Monitor database and instance activity, monitor by using DMVs and DMFs, monitor performance and scalability</li> <li>Monitor and troubleshoot SQL Database</li> <li>- Monitor and troubleshoot SQL Database, monitor database activity, monitor by using DMVs and DMFs, monitor performance and scalability</li> <li>Automate and manage database implementations on Azure</li> <li>- Automate and manage SQL Server on Azure VMs, automate and manage Azure SQL Database, configure automation and runbooks</li> </ul>

## 70-473 Sample Questions:

**Q 1: You need to recommend a solution to migrate the Listings database to the cloud. What should you recommend?**

**Options:**

- A. Implement merge replication between the main office and the Azure Virtual machine.
- B. Implement log shipping between the main office and an Azure virtual machine prior to the migration date. During the planned outage, perform a final log backup, restore the backup to the secondary, and then switch the secondary to the primary role.
- C. Run a full backup during the outage and restore the backup to the Azure Virtual machine.
- D. Stage the Listings database on an Azure virtual machine prior to the outage. During the outage, perform a data import from the main office by using SQL Server Management Studio.

**Q 2: A customer plans to monitor the performance of a Microsoft Azure SQL Server database. You need to explain to the customer which metrics are used to calculate the Database Throughput Unit (DIU) percentage**

**Which three metrics should you identify?**

Each correct answer presents part of the solution.

**Options:**

- A. CPU percentage
- B. Log IO percentage
- C. Total database size
- D. Data IO percentage
- E. Database size percentage
- F. Blocked by firewall

**Q 3: You plan to implement a Microsoft Azure SQL database. You need to create and manage the new database on a new server. Which three cmd lets should you use?**

Each correct answer presents part of the solution.

**Options:**

- A. New-AzureSqlDatabaseServerFirewaIIRule
- B. New-AzureSqlDatabaseServerContext
- C. New-AzureSqlDatabase
- D. New-AzureVNI
- E. New-AzureSqlDatabaseServer

**Q 4: You are evaluating moving the data from WebData1 to an Azure SQL database. You need to recommend a solution to generate the consolidated report for billing. The solution must meet the business requirements.**

**Options:**

- A. an elastic query
- B. SQL server Analysis Services (SSAS)
- C. SQL server Integration Services (SSIS)
- D. an elastic databasejob

**Q 5: You are an administrator setting up a new Azure SQL Database that will be deployed on a new servser object. After creating the new server and database, you are unable to connect to it with Management Studio from your workstation.**

**You need to be able to establish the connection. what should you do?**

**Options:**

- A. Add a new user to the Azure SQL Database server's User Access Administrator role.
- B. Add your current public IP address to the Azure SQL Database server's firewall settings.
- C. Add your current public IP address to the Azure SQL Database's firewall settings
- D. Add and configure Auditing for the Azure SQL Database.

## Answers to 70-473 Exam Questions:

Question: 1	Answer: A	Question: 2	Answer: A, B, E
Question: 3	Answer: C, D, E	Question: 4	Answer: C
Question: 5	Answer: B, C		

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on [feedback@analyticsexam.com](mailto:feedback@analyticsexam.com)