Snowflake COF-C02

SNOWFLAKE SNOWPRO CORE CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

COF-C02

Snowflake Certified SnowPro Core Certification
100 Questions Exam – Duration of 115 minutes

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Know Your COF-C02 Certification Well:

The COF-C02 is best suitable for candidates who want to gain knowledge in the Snowflake Fundamentals. Before you start your COF-C02 preparation you may struggle to get all the crucial SnowPro Core Certification materials like COF-C02 syllabus, sample questions, study guide.

But don't worry the COF-C02 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the COF-C02 syllabus?
- How many questions are there in the COF-C02 exam?
- Which Practice test would help me to pass the COF-C02 exam at the first attempt?

Passing the COF-C02 exam makes you Snowflake Certified SnowPro Core Certification. Having the SnowPro Core Certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Snowflake COF-C02 SnowPro Core Certification Details:

Exam Name	Snowflake SnowPro Core Certification
Exam Code	COF-C02
Exam Price	$175 USD
Duration	115 minutes
Number of Questions	100
Passing Score	750 + Scaled Scoring from 0 - 1000
Recommended Training / Books	**Snowflake Fundamentals** **SnowPro Core Certification Preparation Course** **SnowPro Core Study Guide** **Snowflake Hands on Essentials & Level Up Series** **Snowflake in 20 Minutes**
Schedule Exam	**PEARSON VUE**
Sample Questions	**Snowflake COF-C02 Sample Questions**
Recommended Practice	**Snowflake Certified SnowPro Core Certification Practice Test**

COF-C02 Syllabus:

Section	Objectives	Weight
Snowflake Data Cloud Features and Architecture	- Outline key features of the Snowflake Data Cloud. • Elastic Storage • Elastic Compute • Snowflake's three distinct layers • Cloud partner categories • Overview of Snowflake editions - Outline key Snowflake tools and user interfaces. • Snowsight • SnowSQL • Snowflake connectors • Snowflake drivers • Snowpark • SnowCD - Outline Snowflake's catalog and objects. • Databases • Stages • Schema types • Table types • View types • Data types • User-Defined Functions (UDFs) • User Defined Table Functions (UDTFs) • Stored Procedures • Streams • Tasks • Pipes • Shares • Sequences - Outline Snowflake storage concepts. • Micro-partitions • Data clustering • Data Storage Monitoring	**25%**
Account Access and Security	- Outline security principles. • Network security and policies • Multi-Factor Authentication (MFA)	**20%**

Section	Objectives	Weight
	• Federated authentication • Key pair authentication • Single Sign-On (SSO) - Define the entities and roles that are used in Snowflake. • Overview of access control - Access control frameworks - Access control privileges • Outline how privileges can be granted and revoked • Explain role hierarchy and privilege inheritance - Outline data governance capabilities in Snowflake. • Accounts • Organizations • Secure views • Secure functions • Information schemas • Access history - Tracking read/write operations • Overview of row/column-level security • Object tags	
Performance Concepts	- Explain the use of the Query Profile. • Explain plans • Data spilling • Use of the data cache • Micro-partition pruning • Query history - Explain virtual warehouse configurations. • Types of warehouses • Multi-clustering warehouses - Scaling policies - Scaling modes • Warehouse sizing • Warehouse settings and access - Outline virtual warehouse performance tools. • Monitoring warehouse loads • Scaling up compared to scaling out	**15%**

Section	Objectives	Weight
	• Resource monitors • Query acceleration service - Optimize query performance. • Describe the use of materialized views • Use of specific SELECT commands • Clustering • Search optimization service • Persisted query results • Understanding the impact of different types of caching - Metadata cache - Result cache - Warehouse cache	
Data Loading and Unloading	- Define concepts and best practices that should be considered when loading data. • Stages and stage types • File size and formats • Folder structures • Ad hoc/bulk loading • Snowpipe - Outline different commands used to load data and when they should be used. • CREATE STAGE • CREATE FILE FORMAT • CREATE PIPE • CREATE EXTERNAL TABLE • COPY INTO • INSERT/INSERT OVERWRITE • PUT • VALIDATE - Define concepts and best practices that should be considered when unloading data. • File size and formats - Overview of compression methods • Empty strings and NULL values • Unloading to a single file • Unloading relational tables - Outline the different commands used to unload data and when they should be used.	**10%**

Section	Objectives	Weight
	• GET • LIST • COPY INTO • CREATE STAGE • CREATE FILE FORMAT	
Data Transformations	- Explain how to work with standard data. • Estimation functions • Sampling - SAMPLE command - /TABLESAMPLE command - Sampling methods 1.Fraction-based 2.Fixed-size • Supported function types - System functions - Table functions - External functions - User-Defined Functions (UDFs) • Stored procedures • Streams • Tasks - Explain how to work with semi-structured data. • Supported data formats, data types, and sizes • VARIANT column • Flattening the nested structure - FLATTEN command - LATERAL FLATTEN command • Semi-structured data functions - ARRAY/OBJECT creation and manipulation - Extracting values - Type predicates - Explain how to work with unstructured data. • Define and use directory tables • SQL file functions - Types of URLs available to access files • Outline the purpose of User-Defined Functions (UDFs) for data analysis	**20%**
Data Protection and Data Sharing	- Outline Continuous Data Protection with Snowflake. • Time Travel • Fail-safe • Data Encryption • Cloning	**10%**

Section	Objectives	Weight
	• Replication - Outline Snowflake data sharing capabilities. • Account types • Snowflake Marketplace • Data exchange • Access control options - DDL commands to create and manage shares - Privileges required for working with shares • Secure Data Sharing (for example, Direct Share, Listing)	

Snowflake COF-C02 Sample Questions:

Question: 1

A clustering key is added or modified for a large table. Which type of queries will likely see performance improvement?

a) Queries that select all rows in the table
b) Queries that sort on the columns which are part of the cluster key
c) Queries that join on the columns which are part of the cluster key
d) Queries that select all columns in the table
e) Queries that group on the columns which are part of the cluster key
f) Queries that filter on the columns which are part of the cluster key

Answer: b, c, e, f

Question: 2

Dynamic Data Masking provides what sort of security in Snowflake?

a) Object Security
b) Row-level security
c) Column-level security
d) Database-level security

Answer: c

Question: 3

Which copy option is used to delete the file from the Snowflake stage when data from staged files are loaded successfully?

a) DELETE = TRUE
b) DEL = TRUE
c) PURGE = TRUE
d) REMOVE = TRUE

Answer: c

Question: 4

What is Snowflake's behaviour when enforcing a network policy with an IP address in both the block list and the allow list?

a) The specific IP address is ignored from the network policy
b) Snowflake uses the allow list first, ensuring that the IP address can connect even if it is also in the block list.
c) Because both the allowed and blocked lists cannot be filled, the network policy is invalid.
d) Snowflake initially applies the block list, preventing the IP address from connecting, even if it is also defined in the allow list.

Answer: d

Question: 5

External tables are a good solution for which of the following is true?

a) Typically only a subset of data is being accessed
b) Data is in binary format and can not be loaded into Snowflake.
c) The data is not accessed frequently.
d) Data is already in a data lake on a cloud platform (e.g., S3, Azure Blob Storage)

Answer: a, c, d

Question: 6

What all options are available for data transformation while loading data into a table using the COPY command?

a) Column omission
b) Column reordering
c) Casts
d) Truncation of Text Strings
e) Join

Answer: a, b, c, d

Question: 7

When the Virtual Warehouse data cache gets filled up, in which fashion does the data get flushed out from the data cache?

a) LEAST-RECENTLY USED (LRU)
b) First In First Out (FIFO)
c) Last In Last Out (LILO)
d) MOST-RECENTLY USED (MRU)

Answer: a

Question: 8

You need to see the history of all queries executed in the last 60 minutes. Which of the following method should you use?

a) Request Snowflake support to provide query history
b) Use the QUERY_HISTORY table function in the INFORMATION schema
c) Use the QUERY_HISTORY view in the ACCOUNT_USAGE schema
d) View the historical queries using the history tab

Answer: b

Question: 9

For a non-ACCOUNTADMIN user, what privileges are required to create a share?

a) MANAGE ACCOUNT privileges
b) CREATE ACCOUNT privileges
c) SECURITY privileges
d) CREATE SHARE privileges

Answer: d

Question: 10

How can a directory table metadata be refreshed automatically and efficiently to synchronize the metadata with the latest associated files in the external stage and path?

a) Using Stream
b) Using Tasks
c) Using Cloud event notification service
d) Using both Tasks and Stream
e) It is a manual process and cant be automatically refreshed

Answer: c

Study Guide to Crack Snowflake SnowPro Core Certification COF-C02 Exam:

- Getting details of the COF-C02 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the COF-C02 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Snowflake provided training for COF-C02 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the COF-C02 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on COF-C02 practice tests is must. Continuous practice will make you an expert in all syllabus areas.