



Snowflake

COF-C02

SnowPro Core Certification
QUESTION & ANSWERS

QUESTION 1

As a best practice, clustering keys should only be defined on tables of which minimum size?

- A. Multi-Kilobyte (KB) Range
- B. Multi-Megabyte (MB) Range
- C. Multi-Gigabyte (GB) Range
- D. Multi-Terabyte (TB) Range

Correct Answer: D

QUESTION 2

Which of the following statement is true of Snowflake?

Select one.

- A. It was built specifically for the cloud
- B. it was built as an on-premises solution and then potted to the cloud
- C. It was designed as a hybrid database to allow customers to store data either on premises or in the cloud
- D. It was built for Hadoop architecture
- E. It's based on an Oracle Architecture

Correct Answer: A

QUESTION 3

What is the minimum Snowflake edition that customers planning on storing protected information in Snowflake

should consider for regulatory compliance?

- A. Standard
- B. Premier
- C. Enterprise
- D. Business Critical Edition

Correct Answer: D

QUESTION 4

True or False: Snowflake supports federated authentication in all editions.

- A. True
- B. False

Correct Answer: A

QUESTION 5

Which of the following roles is recommended to be used to create and manage users and roles?

- A. SYSADMIN
- B. SECURITYADMIN
- C. PUBLIC
- D. ACCOUNTADMIN

Correct Answer: D

QUESTION 6

What tasks can be completed using the copy command? (Select TWO)

- A. Columns can be aggregated
- B. Columns can be joined with an existing table
- C. Columns can be reordered
- D. Columns can be omitted
- E. Data can be loaded without the need to spin up a virtual warehouse

Correct Answer: C,D

QUESTION 7

User-level network policies can be created by which of the following roles? (Select TWO).

- A. ROLEADMIN
- B. ACCOUNTADMIN
- C. SYSADMIN
- D. SECURITYADMIN

E. USERADMIN

Correct Answer: D,E

Explanation/Reference:

By default, Snowflake allows users to connect to the service from any computer or device IP address. A security administrator (or higher) can create a network policy to allow or deny access to a single IP address or a list of addresses. Network policies currently support only Internet Protocol version 4 (i.e. IPv4) addresses.

An administrator with sufficient permissions can create any number of network policies.

[https://docs.snowflake.com/en/user-guide/network-policies.html#:~:text=A security administrator \(or higher,any number of network policies.](https://docs.snowflake.com/en/user-guide/network-policies.html#:~:text=A security administrator (or higher,any number of network policies.)

QUESTION 8

True or False: When Snowflake is configured to use Single Sign-on (sso), Snowflake receive the usernames and credentials from the sso service and loads them into the customer's Snowflake account

- A. True
- B. false

Correct Answer: B

QUESTION 9

What can be used to view warehouse usage over time? (Select Two).

- A. The load HISTORY view
- B. The Query history view
- C. The show warehouses command
- D. The WAREHOUSE_METERING__HISTORY View
- E. The billing and usage tab in the Snowflake web UI

Correct Answer: D,E

QUESTION 10

What will be the output of the below sequence values

<https://www.dumps4expert.com/COF-C02-exam-dumps>

```
create or replace sequence seq1;  
select seqref.a a, seqref.a b from (select seq1.nextval a from dual) seqref;
```

- A. Distinct values for columns a and b
- B. Same sequence value for columns a and b
- C. Incorrect usage of sequence in snowflake
- D. Error will be returned

Correct Answer: B

Explanation/Reference:

Sequences are used to generate unique numbers across sessions and statements, including concurrent statements. They can be used to generate values for a primary key or any column that requires a unique value.

Sequences may be accessed in queries as expressions of the form seq_name.NEXTVAL. Each occurrence of a sequence generates a set of distinct values. This is different from what many other databases provide, where multiple references to NEXTVAL of a sequence return the same value for each row.

For example, the following query returns distinct values for columns a and b:

```
create or replace sequence seq1;  
select seq1.nextval a, seq1.nextval b from dual;
```

To return two columns with the same generated sequence value, use nested subqueries and views:

```
create or replace sequence seq1;  
select seqref.a a, seqref.a b from (select seq1.nextval a from dual) seqref;
```

To Learn more around Sequence, please refer this page from Snowflake documentation:

<https://docs.snowflake.com/en/user-guide/querying-sequences.html>

Note: Sequence is important topic from SnowPRO Exam point of view.

QUESTION 11

To get the credits billed for the search optimization service on June 1, 2022 for each schema and database, Administrator run the following command:

```
select database_name, schema_name, credits_used  
from snowflake.account_usage.search_optimization_history  
where start_time >= '2022-06-01 00:00:00.000' and  
end_time < '2022-06-02 00:00:00.000' ;
```

What's wrong with above command?

- A. Command will fail as there is no view named search_optimization_history
- B. Account usage view do not give Daily expenses
- C. Incorrect Schema used
- D. Command will give desired results

Correct Answer: D

Explanation/Reference:

This is correct command to get the daily expenses used.

https://docs.snowflake.com/en/sql-reference/account-usage/search_optimization_history.html

QUESTION 12

Snowflake is designed for which type of workloads? (Choose two.)

- A. OLAP (Analytics) workloads
- B. OLTP (Transactional) workloads
- C. Concurrent workloads
- D. On-premise workloads

Correct Answer: A,B

QUESTION 13

Which among the following list is/are supporting External tokenization partners with Snowflake-Security Ecosystem?

- A. Amazon Sagemaker
- B. Baffle
- C. Protegrity
- D. Dataiku
- E. DataRobot

Correct Answer: B,C

Explanation/Reference:

Column-level Security in Snowflake allows the application of a masking policy to a column within a table or view. Currently, Column-level Security comprises two features:

- a. Dynamic Data Masking
- b. External Tokenization

External Tokenization allows organizations to tokenize sensitive data before loading that data into Snowflake and dynamically detokenize data at query runtime using masking policies with External Functions.

This feature requires Enterprise Edition (or higher).

Please note Amazon Sagemaker, Dataiku & DataRobot are also partners of the Snowflake ecosystem. These

tools and technologies often referred as advanced analytics, artificial intelligence (AI), “Big Data”, machine learning and data science.

Baffle & Protegrity are tools ensure sensitive data maintained by an organization is protected from inappropriate access and tampering, as well as helping organizations to achieve and maintain regulatory compliance. Both supports External tokenization. Please refer the below link for more details.

<https://docs.snowflake.com/en/user-guide/ecosystem-security.html>

QUESTION 14

What is the minimum Snowflake edition required to create a materialized view?

- A. Standard Edition
- B. Enterprise Edition
- C. Business Critical Edition
- D. Virtual Private Snowflake Edition

Correct Answer: B

Explanation/Reference:

Materialized views require Enterprise Edition. To inquire about upgrading, please contact Snowflake Support

<https://docs.snowflake.com/en/sql-reference/sql/create-materialized-view.html#:~:text=Materialized views require Enterprise Edition,upgrading, please contact Snowflake Support.>

QUESTION 15

Which of following File Functions are not provided to access unstructured data files?

- A. GET_ABSOLUTE_PATH
- B. BUILD_SCOPED_FILE_URL
- C. BUILD_PREIGNED_URL
- D. BUILD_STAGE_FILE_URL

Correct Answer: C

Explanation/Reference:

The following File Functions are provided to access unstructured data files:

GET_STAGE_LOCATION

Returns the URL for an external or internal named stage using the stage name as the input.

GET_RELATIVE_PATH

Extracts the path of a staged file relative to its location in the stage using the stage name and absolute file path in cloud storage as inputs.

GET_ABSOLUTE_PATH

Returns the absolute path of a staged file using the stage name and path of the file relative to its location in the stage as inputs.

GET_PREIGNED_URL

Generates the pre-signed URL to a staged file using the stage name and relative file path as inputs.

Access files in an external stage using the function.

BUILD_SCOPED_FILE_URL

Generates a scoped Snowflake-hosted URL to a staged file using the stage name and relative file path as inputs.

BUILD_STAGE_FILE_URL

Generates a Snowflake-hosted file URL to a staged file using the stage name and relative file path as inputs.

QUESTION 16

For Query: Select Product from PRODUCT_RANGE where (Product_name = 'APPLE');

What is in the Data Cache? [Select 2]

- A. only the partitions that satisfying predicates:(Product_name = 'APPLE')
- B. only the selected column: in this case, Product
- C. Result of the completed query
- D. Metadata attributes

Correct Answer: A,B

Explanation/Reference:

Data Cache kept Predicates (Where Clause) & the selected column out of the given query to speedup query performance

QUESTION 17

Data engineer designed the data pipelines using Snowpipe to load data files into Snowflake tables, what will happen in case few files with same name but modified data are queued for reloading?

- A. Data will be reloaded as files are modified & its associated metadata also changed. But Snowflake handle implicitly deduplication
- B. eTAG is changed for Files even they are having same name, so data will be duplicated in Snowflake tables
- C. Snowpipe uses file loading metadata associated with each table object, so no metadata available to prevent duplication
- D. Snowpipe uses file loading metadata associated with each pipe object to prevent reloading the same files (and duplicating data) in a table

Correct Answer: D

Explanation/Reference:

Snowpipe uses file loading metadata associated with each pipe object to prevent reloading the same files (and duplicating data) in a table

QUESTION 18

Which one is the Valid function for Determining the data type for values in semi-structured data (i.e. type predicates)?

- A. CHECK_JSON
- B. CHECK_XML
- C. IS_JSON
- D. TYPEOF

Correct Answer: D

Explanation/Reference:

TYPEOF Function Reports the type of a value stored in a VARIANT column.
For More details, please refer the Snowflake community link as mentioned below:
<https://docs.snowflake.com/en/sql-reference/functions/typeof.html>

QUESTION 19

True or False: Snowflake charges a premium for storing semi-structured data.

- A. True
- B. False

Correct Answer: B

QUESTION 20

Which one is not the Valid Context Functions type provided by Snowflake?

- A. LAST_QUERY_ID

- B. CURRENT_CLIENT
- C. CURRENT_COMMIT
- D. SYSDATE

Correct Answer: C

Explanation/Reference:

Context Functions are family of functions allows gathering information about the context in which the statement is executed. These functions are evaluated at most once per statement.

CURRENT_COMMIT is invalid functions exist in Snowflake.

For Complete list of Context Functions reference, please refer the mentioned link:

<https://docs.snowflake.com/en/sql-reference/functions-context.html>

QUESTION 21

Which data type can be used to store geospatial data in Snowflake?

- A. Variant
- B. Object
- C. Geometry
- D. Geography

Correct Answer: D

Explanation/Reference:

Explanation:

<https://docs.snowflake.com/en/sql-reference/data-types-geospatial.html#:~:text=have SRID=4326.-,Geospatial Object Types,Point>

QUESTION 22

The FLATEEN function is used to query which type of data in Snowflake?

- A. Structured data
- B. Semi-structured data
- C. Both of the above
- D. None of the above

Correct Answer: B

QUESTION 23

use role accountadmin;
create or replace resource monitor limit1 with credit_quota=1000
triggers on 50 percent do notify
on 75 percent do notify
on 100 percent do suspend
on 110 percent do suspend_immediate;
Which are the incorrect statements with above query

- A. When 100% usage is reached, an alert notification is sent to all account administrators who have enabled notifications and cancelling all currently-executing queries
- B. When 50% and 75% usage is reached, an alert notification is sent to all account administrators who have enabled notifications, but no other actions are performed
- C. When 100% usage is reached, the assigned warehouse is suspended
- D. If the warehouse is still running when 110% usage is reached, it is suspended immediately

Correct Answer: A

QUESTION 24

Table having a column can reference a Sequence that generates default values. When a table is cloned, the cloned table references the source or cloned sequence?

- A. If the database or schema containing both the table and sequence is cloned, the cloned table references the cloned sequence
- B. If the database or schema containing both the table and sequence is cloned, the cloned table references the source sequence
- C. If the database or schema containing the table is cloned only not the sequence, the cloned table references the source sequence
- D. Sequence can not be cloned

Correct Answer: A,C

QUESTION 25

Which of the following are options when creating a virtual Warehouse?
Choose 2 answers

- A. Auto-drop
- B. Auto resize
- C. Auto-resume

D. Auto-suspend

Correct Answer: C,D

QUESTION 26

What transformations are supported in a CREATE PIPE ... AS COPY ... FROM (...) statement? (Select TWO.)

- A. Data can be filtered by an optional where clause
- B. Incoming data can be joined with other tables
- C. Columns can be reordered
- D. Columns can be omitted
- E. Row level access can be defined

Correct Answer: C,D

QUESTION 27

What parameter controls if the Virtual warehouse starts immediately after the CREATE WAREHOUSE statement? Select one

- A. INITIALLY_SUSPENDED = TRUE/FALSE
- B. START_AFTCR_CREATE = TRUE/FALSE
- C. START_TTIME = 60 // (seconds from now)
- D. START.TIME = CURRENT.DATE()

Correct Answer: A

QUESTION 28

Which of the following can be executed/called with Snowpipe?

- A. A User Defined Function (UDF)
- B. A stored procedure
- C. A single copy_into statement
- D. A single insert__into statement

Correct Answer: C

QUESTION 29

Select true statement with respect to API Integration..

- A. An API integration object is tied to a specific cloud platform account and role within that account, but not to a specific HTTPS proxy URL
- B. Your Snowflake account can have multiple API integration objects
- C. Multiple external functions can use the same API integration object, and thus the same HTTPS proxy service
- D. Only Snowflake roles with OWNERSHIP or USAGE privileges on the API integration can use the API integration directly

Correct Answer: A,B,C,D

QUESTION 30

True or False: Data in Fail-safe can be deleted by a user or the Snowflake team before it expires.

- A. True
- B. False

Correct Answer: B

QUESTION 31

Which one of following types of URLs are not available to access unstructured data files in cloud storage?

- A. Scoped URL
- B. DataFile URL
- C. File URL
- D. Pre-signed URL

Correct Answer: B

QUESTION 32

Which type of UDFs supports reading and processing unstructured data in staged files present in the Directory Tables?

- A. Python UDF
- B. Java UDF

- C. Javascript UDF
- D. SQL UDF

Correct Answer: B

Explanation/Reference:

To know more about Java UDF

<https://docs.snowflake.com/en/user-guide/unstructured-data-java.html#java-udf-examples>

QUESTION 33

If you have given a choice of Creating MVs over regular view, which one of the below criteria you will give weightage?

- A. The query results from the view don't change often
- B. The results of the view are used often
- C. The query consumes a lot of resources
- D. The query is not resource intensive so it is not costly to re-run it

Correct Answer: A,C,D

QUESTION 34

Which one of following Sampling is not supported by Snowflake?

- A. Fraction-based Row
- B. Fixed-size BERNOULLI
- C. Fraction-based Block
- D. Fixed-size System

Correct Answer: D

Explanation/Reference:

There are 2 Main types of Sampling:

Fraction Based

Fixed Size

Which further Categorized based on Sampling Methods e.g. BERNOULLI | ROW OR SYSTEM | BLOCK Sampling.

SYSTEM | BLOCK not supported for fixed-size sampling.

QUESTION 35

Select the False statements applicable to FUTURE GRANTS?

- A. When future grants are defined on the same object type for a database and a schema in the same database, the schema-level grants take precedence over the database level grants, and the database level grants are ignored
- B. When an object in a schema is cloned, any future grants defined for this object type in the schema are applied to the cloned object unless the COPY GRANTS option is specified in the CREATE statement for the clone operation
- C. When a database or schema is cloned, future grants are copied to its clone & grants of privileges on a source object (i.e. database) are not copied to its clones, but privilege grants on all child objects (i.e. tables in the database) are copied to the clones
- D. Revoke grants on future objects using the REVOKE ... TO ROLE command with the ON FUTURE keywords

Correct Answer: D

revoke select,insert on future tables in schema mydb.myschema from role role1;

QUESTION 36

Partition columns optimize query performance by pruning out the data files that do not need to be scanned (i.e. partitioning the external table), A partition column must evaluate as an expression that parses the path and/or filename information in which pseudocolumn of External table?

- A. METADATA\$ROW_NUMBER
- B. METADATA\$COLUMNNAME
- C. METADATA\$FILEPATH
- D. METADATA\$FILENAME

Correct Answer: D

QUESTION 37

Which are the Cloud Platforms that Support Calling an External Function?

- A. GCP
- B. AWS & AZURE
- C. AWS only
- D. AWS,GCP,AZURE

Correct Answer: D

Explanation/Reference:

Platforms that Support Calling an External Function

In general, an external function can be called from a Snowflake account on any cloud platform that Snowflake supports:

Amazon Web Services (AWS)

Microsoft Azure

Google Cloud Platform (GCP)

QUESTION 38

Which Function would Data engineer used to recursively resume all tasks in Chain of Tasks rather than resuming each task individually (using ALTER TASK ... RESUME)?

- A. SYSTEM\$TASK_DEPENDENTS
- B. SYSTEM\$TASK_DEPENDENTS_ENABLE
- C. SYSTEM\$TASK_DEPENDENTS_RESUME
- D. SYSTEM\$TASK_RECURSIVE_ENABLE

Correct Answer: B

Explanation/Reference:

QUESTION 39

What services does Snowflake automatically provide for customer that they may have been responsible for with their on premise system? Select all the below that apply.

- A. Installing and configuring hardware
- B. Patching software
- C. Physical security
- D. Maintaining metadata and statistics

Correct Answer: A,B,D

QUESTION 40

Which of the following objects is not covered by Time Travel?

- A. Tables
- B. Schemas
- C. Databases
- D. Stages

Correct Answer: D

QUESTION 41

SNOWFLAKE_SAMPLE_DATA which is Sample DB provided by Snowflake is identical to the Databases that you create in your account except the following

- A. it is read-only
- B. No DDL can be performed on the data set schemas (i.e. tables and other database objects cannot be added, dropped, or altered).

- C. DML can be performed on the tables in the schemas
- D. No cloning or Time Travel can be performed on the database or any schemas/tables in the database

Correct Answer: A,B,D

Jolly - snowflake certification questions:

For me there were at least 3-4 questions were repeated.

- Network policy supported for which all snowflake levels (select 2)
- file unloading supports which file formats (select 2)
- data delete/update/insert captured by which SF object (stream)
- data sharing related questions on who pays for what
- geospatial data is supported by which data type (geography, geometry, variant ,object)
- ML capabilities provided by? Adobe, DataRobot, Matillion, PowerBI
- one of them is the data tokenization partner : protegrity, SAP, Tableau
- cloned tables are replicated to secondary database then whats the impact (phys storage, storage cost)
- micropartioning best describes one of the following: contiguous unit of storage arranged in columnar fashion, easy to search from a block of storage (wrong)
- micropartioning clustering depth 4 pictures shown. Which one depicts well clustered table?
- question on cloud service cost (calculation involved)
- how cloud service gets billed
- some users want to see pii data n some others want to see full data, whcih feature to be used (Data masking)
- data masking supported in which min edition (enterprise)
- private link supported in which edition (buss critical)
- Search optimization services available for which purpose (point lookup queries)
- Search optimization service works for which kind of queries (equality predicates, in clause)
- virtual warehouse definiton provided and a load monitoring graph shown with queries executign as well as queued with peaks in between, out of the given options which one would enable concurrent query execution
- vwh was executed for few mins, then paused, then restarted. For how much total time the credits will be cosumed?
- Select 2 functions of cloud service layer
- Cloud services best do what (4 tricky options provided)
- select best options that can improve data load performance
- VWH best practices select 3 amongst the options
- which of the options will refrain from using result cache
- select count(1) from table. DAta will be fetched from which location (metadata cache)
- select * from table(validate(t1, job_id => '_last')); what does this query return (Return errors for the last executed COPY command)
- max data retention of temporary table
- max file safe retention for transient table
- transient table created and some DML operations performed for the next 3 days. If user wants to revert to the first version of the table, what option user has?
- For data sharing, which role is needed to create share
- AccountAdmin can perform create user, describe, alter, drop user (there were options for define user, delete user)
- Which all objects can be shared?
- what is incorrect about materialized views (aggrs cannot be used, joins cannot be used, mvs and tables cannot be joined)
- What best describes the schema
- multiple sql statements need to be invoked. What is the best way a task can be called? (different options provided on how task can be created)
- In snowsight UI, how a worksheet can be shared with other users (share worksheet with other team in the UI, clone the worksheet, create a db n give permissions)
- which features from CDC needs no configuration (data encryption, time travel, dynamic masking, row access policy, external tokenization)
- which sql commands can change the offset of a stream (insert into select from stream, update from stream, alter table from stream, begin commit)
- which all areas under query profile indicates performance tuning is needed (bytes scanned,

bytes..., partition scanned, percentage of partition cache, ..)

- What advantage does explain plan provides compared to query profile

- Select best option for MFA (enforced by admin, users have to enroll, integrated with SF)

Test 1

Q1) Which out of below you do not specify while setting up a snowflake account?

- a) Snowflake Edition
- b) Availability Zone
- c) Geographic Deployment Region
- d) Cloud Infrastructure Provider

Ans:

b) Availability Zone

Explanation:-Availability zone is something that is not an option to select while setting up the Snowflake account. That is managed internally by Snowflake and the respective cloud provider.

Q2) Snowflake is supported on which cloud providers.

- a) AWS
- b) IBM Cloud
- c) Azure
- d) Alibaba Cloud
- e) GCP

Ans:

- a) AWS
- b) Azure
- e) GCP

Q3) External Tokenization is not supported on which Cloud Platforms.

- a) GCP.
- b) Azure
- c) All of these
- d) AWS

Ans:

- a) GCP

Explanation:-The support for external tokenization for Azure came in year 2020, and now currently only GCP do not support external tokenization.

<https://docs.snowflake.com/en/user-guide/intro-cloud-platforms.html#current-limitations-for-accounts-on-gcp>

Q4) Snowflake is what kind of offering?

- a) Infrastructure as a service (IaaS)
- b) Software as a service (SaaS)
- c) On Premise Application
- d) Platform as a service (PaaS)

Ans:

- b)Software as a service (SaaS)

Explanation:-

Snowflake is an analytic data warehouse provided as Software-as-a-Service (SaaS). Snowflake provides a data warehouse that is faster, easier to use, and far more flexible than traditional data warehouse offerings.

Snowflake's data warehouse is not built on an existing database or "big data" software platform such as Hadoop. The Snowflake data warehouse uses a new SQL database engine with a unique architecture designed for the cloud. To the user, Snowflake has many similarities to other enterprise data warehouses, but also has additional functionality and unique capabilities.

Refer Link - <https://docs.snowflake.com/en/user-guide/intro-key-concepts.html>

Q5) Snowflake Instances in different regions require separate accounts

- a) incorrect
- b) correct

Ans:

b)correct

Explanation:-Same account cannot be hosted on multiple regions. While setting up snowflake account we get an option to select only one region.

Q6) Query execution is performed by which layers of Snowflake architecture

- a) Storage Layer
- b) Query Processing Layer
- c) Cloud Services Layer

Ans: b)Query Processing Layer

Explanation:-Query execution is performed using Virtual Warehouse, which is also called as compute layer or Query Processing Layer.

Q7) Snowflake cannot be run on private cloud infrastructures (on-premises or hosted)

- a) incorrect
- b) correct

Ans:

b)correct

Explanation:-Snowflake is built to run only on public clouds like AWS, Azure, GCP.

Q8) Snowflake on GCP is not available in which region currently (as of Year 2020)

- a) North America
- b) Asia Pacific
- c) Europe

Ans:

b)Asia Pacific

Explanation:-Refer link for details of snowflake availability in different regions - <https://docs.snowflake.com/en/user-guide/intro-regions.html>

Q9) Among the three different cloud providers, currently which provider do not offer a facility to configure direct, secure connectivity between VPCs (as of year 2020)

- a) AWS
- b) GCP
- c) Azure
- d) All of these

Ans:

b)GCP

Explanation:-Currently, GCP does not offer an equivalent to AWS PrivateLink or Azure Private Link to configure direct, secure connectivity between virtual private clouds (VPCs) on the GCP network
Refer Link for details - <https://docs.snowflake.com/en/user-guide/intro-cloud-platforms.html#current-limitations-for-accounts-on-gcp>

Q10) Snowflake data warehouse is built on top of Hadoop Big Data Software Platform

- a) correct
- b) incorrect

Ans:

b)incorrect

Explanation:-Snowflake's data warehouse is not built on an existing database or "big data" software platform such as Hadoop. The Snowflake
<https://www.dumps4expert.com/COF-C02-exam-dumps>

data warehouse uses a new SQL database engine with a unique architecture designed for the cloud.

Q11) Cloud Services layer of Snowflake provide which all functionalities

- a) Authentication
- b) Infra Management
- c) Metadata Management
- d) Database Storage
- e) Query Processing

Ans:

- a) Authentication
- b) Infra Management
- c) Metadata Management

Q12) Which of the following terms are associated with the Cloud Services Layer?

- a) Query Design
- b) Query Planning
- c) Query Optimization
- d) Query Processing
- e) Query Compilation

Ans:

- b)Query Planning
- c)Query Optimization
- e)Query Compilation

Q13) When data is loaded into Snowflake, Snowflake reorganizes that data into its internal optimized, compressed, columnar format

- a) correct
- b) Incorrect

Ans:

- a) correct
- Explanation:-**

Q14) Not all Snowflake Editions have Elastic Data Warehousing. Check all Snowflake editions that have Elastic Data Warehousing enabled

- a) Virtual Private Snowflake.
- b) Enterprise Edition.
- c) Premium Edition
- d) Business Critical Edition (formerly Enterprise for Sensitive Data)
- e) Standard Edition

Ans:

- a) Virtual Private Snowflake
Explanation:-There is nothing called as Premium Edition, and standard edition is the one that do not have multi cluster (elasticity) configuration settings.
- b) Enterprise Edition
Explanation:-There is nothing called as Premium Edition, and standard edition is the one that do not have multi cluster (elasticity) configuration settings.
- d) Business Critical Edition (formerly Enterprise for Sensitive Data)
Explanation:-There is nothing called as Premium Edition, and standard edition is the one that do not have multi cluster (elasticity) configuration settings.

Q15) Different editions of snowflake Instances require separate accounts

- a) incorrect
- b) correct

Ans:

b)correct

Q16) Snowflake has which type of architecture.

- a) Shared Disk
- b) None of these
- c) Shared Nothing
- d) Hybrid of Shared disk & shared nothing

Ans:

d)Hybrid of Shared disk & shared nothing

Q17) Snowflake account hosted on AWS cannot load data from a file that is staged on GCP or Azure.

- a) correct
- b) incorrect

Ans:

b)incorrect

Q18) The new feature data market place and Preview App is available for GCP accounts as well.

- a) correct
- b) incorrect

Ans:

- a) correct

Q19) Which of the following are performed by the Cloud Services layer?

- a) Data Security
- b) Metadata Storage
- c) Metadata Management
- d) Availability Zone Management
- e) User Authentication

Ans:

- a) Data Security
- b) Metadata Storage
- c) Metadata Management
- e) User Authentication

Q20) Snowflake has which type of architecture

- a) None of these
- b) Shared Nothing
- c) Shared Disk
- d) Shared Data & Multi Cluster

Ans:

d) Shared Data & Multi Cluster

Explanation:- Built from the ground up for the cloud, Snowflake's unique multi-cluster shared data architecture delivers the performance, scale, elasticity, and concurrency today's organizations require.

Refer link for details - <https://www.snowflake.com/product/architecture/>

Q21) With Snowflake, the customer needs to perform hardware maintenance, upgrades or regular patches

- a) incorrect
- b) correct

Ans:

- a) incorrect

Explanation:- Snowflake is a SaaS (Software as a service) solution, and customer do not need to worry about hardware maintenance or upgrades

QUESTIONS

1. Maximum number of clusters in a multi-cluster warehouse - 10
2. When a virtual warehouse is started or resized or resumed, the minimum billing charge is 1 minute- True
3. Number of resource monitor on a VW- 1
4. Task schedule on Every Monday at 6.30 AM SCHEDULE - 'USING CRON 30 6 * * 1 UTC'
5. Results Cache is located in - cloud services layer
6. Which languages Snowflake supports for writing procedures (Multi select)- Snowflake Scripting (SQL), Java Script, Java, Scala, Python
7. Which properties of a Resource Monitor can be modified? (Multi select)- Credit Quota, Monitor Level, Schedule, Actions
8. Correct query to unmask policy - ALTER TABLE table_name MODIFY COLUMN col_name UNSET MASKING POLICY;
9. Displays first N records and fails at the first error record- RETURN_N_ROWS
10. File formats not supported while unloading data- avro, orc, xml
11. Which stream type is supported for streams on the external table only? - insert only
12. How long does Snowflake keep Snowpipes load history?- 14 days
13. Time travel period for transient tables- 1 day

14. Which database objects can be shared- Secure UDFs, External Tables, Secure Materialized View, Secure Views, Tables
15. What size limit does VARIANT data type impose on individual rows? - 16 MB
16. Which role can create, monitor, and manage users and roles- security admin
17. Federated authentication is supported by all of the Snowflake editions- true
18. SQL clause that helps define the clustering key- cluster by
19. Which command is used to load files from the local system- put
20. A stored procedure can run both the caller's and the owner's rights simultaneously- false
21. The minimum billing charge for provisioning compute resources is -1 minute
22. Which features of Snowflake provide Column-level security? External tokenization, Data masking
23. Types of scaling policies- standard, economy
24. Which of the following are valid methods for authenticating users for access into Snowflake? - Federated authentication, Key-pair authentication, OAuth
25. Minimum Snowflake edition required to create a materialized view- Enterprise edition
26. Which data types does Snowflake support when querying semi-structured data? - variant, array
27. Copy into command correct syntax

Question 1:

When data is shared between Snowflake accounts, a database is created on the consumer side for sharing purposes. The type of this database is ?

- Temporary
- Writable
- Open Access
-

Read-only

(Correct)

-

Permanent
Explanation

The correct answer is read-only. The consumer creates a database from the share and the database is created as read-only

Question 2: **Correct**

As a data engineer you are developing jobs to load data into a snowflake table. You have an S3 stage defined which contains a single file containing 100 rows.

You managed to load those 100 rows but while performing further development you notice that your COPY command is executing successfully but is loading zero rows into the target table.

What could be the reason?

-

The file in the Snowflake stage is corrupt and therefore can't be loaded.

-

You have already loaded the single file that was in the Snowflake stage. Snowflake tracks if a file has already been loaded and will not load it again.

(Correct)

-

The file format that you have defined for your data is incorrect, therefore no data is getting loaded.

Explanation

Since you have already loaded this file, Snowflake will track through metadata which files have been loaded already and will not process them again. If you want to retest your copy command you must place a new file or clear the metadata

Question 3: **Incorrect**

What method does Snowflake use to limit the number of micro-partitions accessed during a query?

-

In memory operations

-

table scan

-

Pruning

(Correct)

-

Indexing

(Incorrect)

Explanation

Partition elimination or pruning is used to limit the number of micro partitions.

Question 4: **Correct**

When loading data through COPY command it is a requirement that your table and the file from which the data is being loaded should have same order of columns.

-

True

-

False (Correct)

Explanation

The order & the number of columns in the file and the table can be different

Question 5: **Incorrect**

To clone a table your current role must have which privilege on the source table?

-

SELECT

(Correct)

-

WRITE

(Incorrect)

-

USAGE

Explanation

To clone a table you need a SELECT privileges on the source table and for all other objects that can be cloned you need the USAGE privilege

Question 6: **Correct**

When a virtual warehouse is provisioned there is no benefit in stopping the virtual warehouse within the first 60 seconds because that time period has already been billed.

-

False

-

True (Correct)

Explanation

Correct. When a virtual warehouse is provisioned the minimum billing is 1 minute, after which the virtual warehouses is billed on per second basis

Question 7: **Correct**

What is the lowest snowflake edition that allows customer dedicated virtual warehouses?

- Enterprise
- Business Critical
- Standard

(Correct)

Explanation

All editions of Snowflake provide customer dedicated virtual warehouses, therefore the lowest edition providing such functionality is Standard

Question 8: **Correct**

If retrieval of data from fail safe is required, you must

- contact Snowflake support team to facilitate the retrieval

(Correct)

- use SQL to retrieve the data yourself

Explanation

Failsafe data can not be retrieved by Snowflake customer and support must be engaged to retrieve this data.

Question 9: **Incorrect**

Both time travel & failsafe require extra storage which has cost associated with it.

- False
- (Incorrect)

True (Correct)

Explanation

Correct. Both options use additional storage which will result in additional costs <https://docs.snowflake.net/manuals/user-guide/data-failsafe.html>

Question 10: **Incorrect**

Users created in a reader account can not do which of the following?

• ☐

SELECT

• ☐

LOAD DATA

(Correct)

• ☐

UPDATE

(Correct)

• ☒

INSERT

(Correct)

Explanation

Users in a reader account can query shared data but can not perform any DML.

Question 11: **Correct**

As a consumer you can create only one database per share?

•

True (Correct)

•

False

Explanation

Correct. While as a consumer you may have multiple shares, however for each share you can create only one database.

Question 12:

Skipped

Snowflake database is based on the massively parallel shared nothing architecture used by data bases like Teradata, Greenplum.

•

No

(Correct)

•

Yes

Explanation

Snowflake architecture is an hybrid architecture, in which unlike shared nothing architectures it uses a single shared storage and multiple compute engines

Question 13:

Skipped

You have a virtual warehouse named reporting_warehouse which is sized as Medium. You need the size of the virtual warehouse to be Large for future queries. What is the best way to make this change.

•

It is not permitted to re-size a virtual warehouse once it has been created

•

Alter the existing virtual warehouse and change the size to Large ALTER

WAREHOUSE reporting_warehouse WAREHOUSE_SIZE=large (Correct)

•

Drop the existing virtual warehouse and create a new one with the required parameters

Explanation

Please see the below link for detailed syntax
<https://docs.snowflake.net/manuals/sql-reference/sql/alter-warehouse.html>
Question 14:

Skipped

The Snowflake credit usage for multi cluster virtual warehouses is based on

- [warehouse.html](#)
the number of clusters running during each hour for the warehouse is running
(Correct)

- the value that is configured as the maximum in the multi cluster virtual warehouse configuration

Explanation
The billing for multi cluster virtual warehouses is based on a) the size of the multicluster virtual warehouse b) the number of clusters that were active

Question 15:

Skipped

It is not possible to suspend a specific cluster in a multi-cluster virtual warehouse but rather the whole virtual warehouse is suspended.

- True (Correct)

- False

Explanation

True. Individual clusters in a virtual warehouse can not be controlled independently, but rather they appear logically as a virtual warehouse together.

Question 16:

Skipped

On the WebUI which button on the top bar should you select to get to tabs that provide information about virtual warehouse usage?

- Databases

-

Warehouses

-

Shares

-

History

-

Account

(Correct)

Explanation

The Account button will take you to screen which has multiple sub tabs, one of them providing virtual warehouse compute usage information

Question 17:

Skipped

In the Snowflake Web UI which of the following is true?

-

☐

It doesn't matter how many sheets you open in the Snowflake Web UI, they share a single session

-

☐

Each open worksheet in the Snowflake Web UI can have a different Role selected

(Correct)

-

☐

Each open worksheet in the Snowflake Web UI only a single Role can be selected which applies to all worksheets

-

☐

Each worksheet in the Snowflake Web UI is a different user session

(Correct)

Explanation

Each worksheet in Snowflake Web UI is an independent session. Therefore, each worksheet can have its combination of Database, Schema, Virtual Warehouse & Role selected

Question 18:

Skipped

The privileges provided by the SYSADMIN & SECURITYADMIN role are automatically contained in the ACCOUNTADMIN role since the ACCOUNTADMIN role sits on the top of the role hierarchy.

•

True

(Correct)

•

False

Explanation

Correct. The ACCOUNTADMIN role is the all powerful role with all privileges.

Question 19:

Skipped

What is correct about multi cluster virtual warehouses?

• ☐

They will add additional clusters automatically when under high query workload which is beyond the current capacity.

(Correct)

• ☐

Multi cluster virtual warehouses can not be suspended or resumed.

• ☐

Only one multi cluster virtual warehouse can be created per Snowflake customer.

• ☐

They will remove the additional clusters as query demand decreases.

(Correct)

Explanation

A multi-cluster virtual warehouse will scale up and scale down depending on the query & user demand.

Question 20:

Skipped

On the WebUI which button on the top bar should you select to get to tabs that provide billing and credit information?

•

Restricted

•

Account

(Correct)

•

Account Administrator

Explanation

The Account button will take you to screen which has multiple sub tabs, one of them providing billing and credit information

Question 21:

Skipped

Snowflake does not start executing any queries on a new virtual warehouse until all of the servers are provisioned.

•

True (Correct)

•

False

Explanation

Correct. The SQL execution starts only once all the servers are provisioned. If provisioning fails for any reason, Snowflake will attempt to fix the failed servers and SQL will start executing once 50% or more virtual servers are provisioned

Question 22: **Correct**

Snowflake uses a unique architecture in which data and compute has been decoupled and both can be scaled independent of each other.

•

No

•

Yes

(Correct)

Question 23: **Correct**

What are the virtual warehouse sizing approach recommended by Snowflake?

•

Execute your queries on the smallest available virtual warehouse and keep scaling up the size of the virtual warehouse, until the query performance no longer shows improvements

•

Execute your queries on the largest available virtual warehouse and keep scaling down the size of the virtual warehouse, until you start seeing degradation in query response

•

Experiment with different types of query and virtual warehouses to determine the virtual warehouse size that best meets your requirements

(Correct)

Explanation

Snowflake recommended approach is to experiment to arrive at the best size <https://docs.snowflake.net/manuals/user-guide/warehouses-considerations.html>

Question 24: **Correct**

When a file has been loaded into a table, Snowflake marks that file as loaded in metadata so that the file doesn't get processed again.

•

True

(Correct)

-

False

Explanation

Snowflake maintains file load metadata, through which it tracks which files have already been processed

Question 25: **Correct**

For a multi cluster virtual warehouse the administrator set the minimum cluster count and the maximum cluster count to different values. This can be best described as ?

-

Auto Scaling

(Correct)

-

Scaling up

Explanation

Setting the minimum and maximum to different values will ensure that the multi cluster

virtual warehouse scales up in periods of high demand and scale back down in periods of less demand

Question 26: **Incorrect**

You are the data modeler at a large retail organization who store their transactional data in a Snowflake table called "Transactions". The daily revenue reports execute using the "Transactions" table and calculate the revenue for the current day.

The "Transactions" table had 500GB of data originally but it has now grown to be 5TB. You have noticed that over time the performance of the daily revenue reports has degraded.

-

Cluster the Transactions table on the transaction date column. The daily report will only access one day at a time and therefore will only scan required data.

(Correct)

-

Create tables for each year of data e.g. Transactions_2017, Transactions_2018 and Transactions_2019. Insert the relevant data from the Transactions table into these _year tables. Change your report to point to Transactions_2019 table.

Now that the daily revenue report is accessing only a year worth of data, performance will be better.

-

Increase the size of the virtual warehouse executing the daily reports. That will ensure that the reports execute much more faster.

(Incorrect)

Explanation

Clustering keys is the most efficient option. The query will only scan a single day worth of data using partition pruning. (there is a cost associated with reorganization of data when you add a cluster key)

Question 27: **Incorrect**

Which of the following are options when creating a new virtual warehouse. Select all that apply

- ☒

suspend_and_resume

(Incorrect)

- ☐

auto_resume

(Correct)

- ☒

resume_on_demand

(Incorrect)

- ☒

auto_suspend (Correct)

Explanation

Please see the below link for detailed syntax on virtual warehouse creation <https://docs.snowflake.net/manuals/sql-reference/sql/create-warehouse.html>

Question 28: **Correct**

You are a developer with a retail organization running a Snowflake data warehouse. You required to load JSON based data into a table.

What approach should you take?

-

Use Snowflake provided function to process JSON data while loading it into the table.

(Correct)

-

Write a program using a programming language of your choice (Python, Java etc..) to process the JSON file into a CSV structure.

Load the CSV file into the table using the COPY command.

-

Ask the source system to send you a CSV file rather than a JSON file as Snowflake doesn't support JSON.

Explanation

Snowflake provides functionality to process JSON data, therefore the best course of action is to use the Snowflake built in functionality

Question 29: **Incorrect**

Under the Download section in Snowflake Web UI, what are the connectors & programs that can be downloaded? Select All that apply

- ☒

ODBC driver

(Correct)

- ☐

Load Connector

- ☒

SnowSQL

(Correct)

- ☒

JDBC driver

(Correct)

- ☒

Snowpipe Connector

(Incorrect) Explanation

Please see download page under Help

Question 30:

Skipped

Snowflake deploy new release at what frequency?

-

every 2nd week

-

monthly

-

every week

(Correct)

Explanation

Snowflake releases & patch release are deployed every week

Question 31:

Skipped

Which of the following are valid parameters when create a new virtual warehouse?

- ☐

AUTO_SUSPEND

(Correct)

- ☐

RAM_SIZE

- ☐

AUTO_RESUME

(Correct)

- ☐

CPU_COUNT

- ☐

WAREHOUSE_SIZE

(Correct)

Explanation

Please see the below link for detailed syntax on virtual warehouse creation <https://docs.snowflake.net/manuals/sql-reference/sql/create-warehouse.html>

Question 32: **Correct**

A virtual warehouse can be resized at any time whether they are running or stopped

- ☐

True

(Correct)

- ☐

False

Explanation

Correct. The resize operation can be done any time, even when it is running

Question 33:

Skipped

Multi cluster virtual warehouses are designed to handle ... Select all that apply

- ☐

Large number of concurrent queries (Correct)

- ☐

Queuing issues (Correct)

-

Large number of concurrent users (Correct)



-

Large Complex Queries

Explanation

The primary purpose of Multi cluster virtual warehouses is to improve queueing and concurrency issues <https://docs.snowflake.net/manuals/user-guide/warehouses-considerations.html#multi-cluster-warehouses-improve-concurrency>

Question 34: Correct

A virtual warehouse can be suspended or resumed as required.

-

Yes

(Correct)

-

No

Explanation

A virtual warehouse can be suspended and resumed as per required. This capability allows snowflake to have zero, one or more virtual warehouses executing against

Question 35:

Skipped

For a snowflake session, more than one virtual warehouse can be specified at a time for executing a query.

-

False (Correct)

-

True

Explanation

Incorrect, a snowflake session can only have one virtual warehouse specified, though you can

change the current virtual warehouse for a session

Question 36:

Skipped

Which of the following will contribute to your account level storage usage?

- ☐

Views

- ☐

Snowflake Internal Stage

(Correct)

- ☐

Snowflake External Stages

- ☐

Database (and the tables in it)

(Correct)

- ☐

User Defined Functions

Explanation

Storage used by a database (and its tables) and storage used by Snowflake internal stages contribute towards the over all storage usage

Question 37:

Skipped

Virtual Warehouse credits are charged on what basis?

- per hour of use
- per milli second of use
- per minute of use
- per second of use

(Correct)

Explanation

Snowflake credits are billed on per second basis of virtual warehouse use. Its important to note though that when a virtual warehouse is started it will consume minimum 1 minute of snowflake credits and will change to per second billing after that

Question 38:

Skipped

What are the resources that a virtual warehouse provides? Select all that apply.

- ☐
Temporary Storage
(Correct)
- ☐
Memory
(Correct)
- ☐
User Management
- ☐
CPU

(Correct)

Explanation

Virtual warehouse provide CPU, Memory & temporary storage to process queries

Question 39:

Skipped

What happens when a table is shared by a snowflake account to another snowflake account? Select all that applies

- ☐ the target snowflake account is charged for the shared data storage

- ☐ No actual data is copied or transferred between accounts (Correct)

- ☐ data is copied to the target snowflake account

- ☐ Sharing is managed through Snowflake metadata services layer (Correct)

Explanation

In Snowflake sharing, no data is copied. It is just the metadata that enables the sharing of data. Since no data is copied, the target snowflake account (also called the consumer) is not charged for any storage

<https://docs.snowflake.net/manuals/user-guide/data-sharing-intro.html#how-does-secure-data-sharing-work>

Question 40:

Skipped

What are some general indicators that a clustering key is required on a table? Select all that apply.

- ☐ The table has large number of columns

- ☐ The size of the table is in multi terabytes

(Correct)

- ☐

The query performance has slowed down over time (Correct)

Question 41:

Skipped

A consumer of a shared database can add new tables or views in the shared database?

-

True

-

False (Correct)

Explanation

Shared objects are read-only and can not be modified

Question 42:

Skipped

What is the correct way to find out virtual warehouse credit usage information in Snowflake?

- ☐

Query WAREHOUSE_METERING_HISTORY in the Account Usage Schema

(Correct)

- ☐

Query WAREHOUSE_CREDITS_USED in the Information Schema

- ☐

Query WAREHOUSE_CREDITS_USED in the Account Usage Schema

- ☐

Query WAREHOUSE_METERING_HISTORY in the Information Schema

(Correct)



Go to Account -> Billing & Usage in the WebUI (Correct)

Explanation

All 3 are valid ways of finding virtual warehouse credit usage

<https://docs.snowflake.net/manuals/user-guide/credits.html#viewing-warehouse-credit-usage-for-your-account>

Question 43:

Skipped

Which minimum Snowflake license allows Multicloud data virtual warehouse capability?



Standard



Business Critical



Enterprise

(Correct)

Explanation

The multicloud virtual warehouse capability is available starting from the Enterprise Edition. The capability is not available in Standard or Premier

Question 44:

Skipped

Which minimum Snowflake license provides up to 90 days of time travel?



Standard



Business Critical

-

Enterprise

(Correct)

Explanation

Enterprise is the lowest edition that provides 90 days of time travel

Question 45:

Skipped

You can increase or decrease the size of a virtual warehouse as your user base & query demand increase or decrease?

-

False

-

True (Correct)

Question 46:

Skipped

Files that have already been processed into the source table can be loaded again into a cloned table?

-

True

(Correct)

-

False

Explanation

Correct. The cloning copy structure, data and certain other attributes but doesn't copy the load metadata, therefore files that have already been processed for the source table can be re-processed into a cloned table.

Question 47:

Skipped

Which role is most powerful role in a Snowflake system?

- SYSADMIN
- PUBLIC
- SECURITYADMIN
- ACCOUNTADMIN

(Correct)

Explanation

Account admin is the top level role with most power, it should ideally be shared with least amount of people

Question 48:

Skipped

You can view the storage used by failsafe under the Account->Billing & Usage

•

False

•

True (Correct)

Explanation

<https://docs.snowflake.net/manuals/user-guide/data-failsafe.html>

Question 49:

Skipped

A database is created from a share by the consuming account, the access to this database is configurable using the role-based access control that Snowflake provides?

•

False

-

True (Correct)

Explanation

Correct. The same role based access is applicable to a shared database

Question 50:

Skipped

Which of the following Snowflake Editions allow only a maximum of 1 day of time

-

Enterprise

-

Business Critical

-

Standard

(Correct)

Explanation

Standard edition allows only 1 day of time

travel.

<https://www.snowflake.com/pricing/pricing->

Question 51:

Skipped

Which of the following are options when created a new multicluster virtual warehouse. Select all that apply

- ☐

SUSPEND_AND_RESUME

- ☐

MIN_CLUSTER_COUNT

(Correct)

- ☐

MAX_CLUSTER_COUNT

(Correct)

- ☐

SCALING_POLICY

(Correct)

Explanation

Please see the below link for detailed syntax on virtual warehouse creation

<https://docs.snowflake.net/manuals/sql-reference/sql/create-warehouse.html>

Question 52:

Skipped

Which one of the following can not be cloned?

-

external named stage

-

internal named stage

(Correct)

-

table stage

Explanation

Internal named stages can not be cloned

Question 53:

Skipped

On the WebUI which button on the top bar should you select to see the query history?

-

Databases

- Shares
- Virtual Warehouses
- Account
- History
(Correct)
- Worksheets

Question 54:

Skipped

The "load metadata" (which maintains which files have already been loaded) for a table expires after how many days?

-

64

(Correct)

-

1

-

30

-

365

Explanation

The load metadata expires after 64 days. Please see below for more details
<https://docs.snowflake.net/manuals/user-guide/data-load-considerations-load.html#load-metadata>

Question 55:

Skipped

Which of the following is true regarding Roles in Snowflake?

- ☐ For an active user session, only one Role can be the active Role at a given time. (Correct)

- ☐ In addition to Roles, privileges may be directly assigned to a named User.

- ☐ A Snowflake User can have one or many Roles. (Correct)

- ☐ Users in Snowflake can only have a maximum of 10 Roles assigned. Explanation
Users may be assigned one or more Roles, however, for a session only one role can be active at a time. Users can switch roles by using the USE ROLE <rolename> command.

Please see also

<https://docs.snowflake.com/en/user-guide/security-access-control-overview.html>

Question 56:

Skipped

Snowflake uses a staged release process for new releases in which different account types are upgraded gradually.

- ☐ True
(Correct)

- ☐

False

Explanation

Correct. The staged release process through which Snowflake releases updates is first applied to early access account, then standard accounts and finally Enterprise

Question 57:

Skipped

Assuming you have multiple worksheets open in Snowflake Web UI with in the same browsing session, you can have different role specified in each of the worksheet?

-

False

-

True (Correct)

Explanation

Correct, you can specify different roles in different worksheets

Question 58:

Skipped

You are the solution architect for a large retail company running a Snowflake data warehouse. Your Snowflake implementation has just gone live with a single virtual warehouse and has been opened up to all the users across the organization.

One of your heaviest users are the Finance department, who have a large number of users and execute a large number of queries. The finance department has complained that the queries take a long time to execute for them.

What is the best immediate action should you take to improve their experience?

-

Limit the number of queries that the finance department can execute.

-

Increase the size of your single virtual warehouse to the maximum size available so that queries for all users (not just finance) execute faster.

-

Introduce a dedicated virtual warehouse instance for the finance department and size is according to their needs.

Set the new virtual warehouse to auto suspend and auto resume. (Correct)

Explanation

A dedicated virtual warehouse is the best short term option to optimize performance

Question 59:

Skipped

Snowflake can load from data staged in which of the following?

- ☐

Google Cloud Storage (Correct)

-

☐ AWS S3

(Correct)

- ☐

VMWare Storage

- ☐

Azure Blob Storage

(Correct)

- ☐

Internal Stage (Correct)

-

☐ Oracle Cloud Storage

Explanation

Snowflake supports loading from Internal Stage, AWS S3, Azure Blob and Google Cloud Storage. Please see below link for more details

<https://docs.snowflake.net/manuals/user-guide/data-load-overview.html#loading-from-data-files-staged-on-other-cloud-platforms>

Question 60:

Skipped

Multifactor Authentication can be enabled for which of the following? Select all that Apply?

• ☐

Snowflake WebUI

(Correct)

• ☐

ODBC

(Correct)

• ☐

Python

(Correct)

• ☐

SnowPipe

Explanation

Please see the below link for details <https://docs.snowflake.net/manuals/user-guide/security-mfa.html>

Continue

Retake test

Course content

Practice tests

• ☒

Lecture

completed Start

Practice Test 1: Practice Test 1

• ☐

Lecture

incomplete Start

Practice Test 2: Practice Test 2

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incomplete Start
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1. True or False: When a user creates a role, they are initially assigned ownership of the role and they maintain ownership until it is transferred to another user.

- **True**correct
- False

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/security-access-control-overview.html>

2. True or False: You can define multiple columns within a clustering key on a table.

- Truecorrect
- False

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/tables-clustering-keys.html>

3. True or False: When active, a pipe requires a dedicated Virtual Warehouse to execute.

- True
- Falsecorrect

Question was not answered

4. Which of the following statements is true of data loading?

- Resizing the virtual warehouse from x-Small to Small will process a single file twice as fast
- The "deal file size for loading is 16MB to match micro-partition size
- Many files in the 10-100MB range tend to land in the 'sweet spot' for load parallelism Once loaded, there is no option to force a reload of an already loaded filecorrect

Question was not answered

5. which of the following are valid approaches to loading data into a snowflake table? select all the below that apply.

- Bulk copy from an External Stagecorrect
- Continuous load using Snowpipe REST APIcorrect
- The Snowflake Web Interface (UI) data loading wizardcorrect
- Bulk copy from an Internal Stage

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-load-overview.html>

6. Which of the following are valid methods for authenticating users for access into Snowflake? (Select THREE)

- SCIMcorrect
- Federated authenticationcorrect
- TLS 1.2
- Key-pair authenticationcorrect
- OAuthcorrect
- OCSP authentication

Question was not answered

7. Snowflake recommends, as a minimize, that all users with the following roles(s) should be enrolled in Multi-Factor Authentication (MFA):

- SECURITYADMIN, ACCOUNTADMIN, PUBLIC, SYSADMIN

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- SECURITYADMIN ACCOUNTADMIN, SYSADMIN
- SECURITYADMIN, ACCOUNTADMIN
- ACCOUNTADMINcorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/security-mfa.html>

8. Which of the following statement is true of Snowflake?

- It was built specifically for the cloudcorrect
- it was built as an on-premises solution and then potted to the cloud
- It was designed as a hybrid database to allow customers to store data either on premises or in the cloud
- It was built for Hadoop architecture
- It's based on an Oracle Architecture

Question was not answered

9. True or False: A third-party tool that supports standard JDBC or ODBC but has no Snowflake-specific driver will be unable to connect to Snowflake.

- True
- Falsecorrect

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/jdbc.html>

Snowflake provides a JDBC type 4 driver that supports core JDBC functionality. The JDBC driver must be installed in a 64-bit environment and requires Java 1.8 (or higher). The driver can be used with most client tools/applications that support JDBC for connecting to a database server.

10. What parameter controls if the Virtual warehouse starts immediately after the CREATE WAREHOUSE statement?

- INITIALLY_SUSPENDED = TRUE/FALSEcorrect
- START_AFTCR_CREATE = TRUE/FALSE
- START_TTIME = 60 // (seconds from now)
- STAR
- TIME = CURREN
- DATE()

Question was not answered

11. What is the minimum Snowflake edition required to create a materialized view?

- Standard Edition
- Enterprise Editioncorrect
- Business Critical Edition
- Virtual Private Snowflake Edition

Question was not answered

Explanation:

Materialized views require Enterprise Edition. To inquire about upgrading, please contact Snowflake Support

<https://docs.snowflake.com/en/sql-reference/sql/create-materialized-view.html#:~:text=Materialized%20views%20require%20Enterprise%20Edition,upgrading%2C%20please%20contact%20Snowflake%20Support.>

12. Which type of table corresponds to a single Snowflake session?

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- Temporarycorrect
- Translent
- Provisional
- Permanent

Question was not answered

Explanation:

Snowflake supports creating temporary tables for storing non-permanent, transitory data (e.g. ETL data, session-specific data). Temporary tables only exist within the session in which they were created and persist only for the remainder of the session. <https://docs.snowflake.com/en/user-guide/tables-temp-transient.html#:~:text=Snowflake%20supports%20creating%20temporary%20tables,the%20remainder%20of%20the%20session.>

13. True or False: It is possible to query data from an Internal or named External stage without loading the data into Snowflake.

- Truecorrect
- False

Question was not answered

14. What are ways to create and manage data shares in Snowflake? (Select TWO)

- Through the Snowflake web interface (UI)correct
- Through the DATA_SHARE=TRUE parameter
- Through SQL commandscorrect
- Through the enable__share=true parametercorrect
- Using the CREATE SHARE AS SELECT * TABLE command

Question was not answered

15. What are the three things customers want most from their enterprise data warehouse solution? Choose 3 answers

- On-premise availabilitycorrect
- Simplicitycorrect
- Open source based
- Concurrencycorrect
- Performancecorrect

Question was not answered

16. True or False: Snowflake charges a premium for storing semi-structured data.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://snowflakecommunity.force.com/s/question/0D50Z00008ckwNuSAI/does-snowflakecharges-premium-for-storing-semi-structured-data>

17. Which of the following statements are true about Schemas in Snowflake? (Choose two.)

- A Schema may contain one or more Databasescorrect
- A Database may contain one or more Schemascorrect
- A Schema is a logical grouping of Database Objectscorrect
- Each Schema is contained within a Warehouse

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-sharing-multiple-db.html>

18. What is the minimum duration charged when starting a virtual warehouse?

- 1 second
- 1 minute^{correct}
- 1 hour
- 1 day

Question was not answered

19. The number of queries that a Virtual Warehouse can concurrently process is determined by: Choose 2 answers

- The complexity of each query^{correct}
- The CONCURRENT_QUERY_UMIT parameter set on the Snowflake account
- The size of the data required for each query^{correct}
- The tool that s executing the query

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/warehouses-overview.html>

20. On which of the following cloud platform can a Snowflake account be hosted? Choose 2 answers

- Amazon Web Services^{correct}
- Private Virtual Cloud
- Oracle Cloud
- Microsoft Azure Cloud^{correct}

Question was not answered

21. True or False: All Snowflake table types include fail-safe storage.

- True
- False^{correct}

Question was not answered

22. True or False: AWS Private Link provides a secure connection from the Customer's on-premise data center to the Snowflake.

- True
- False^{correct}

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/admin-security-privatelink.html>

23. True or False: It is possible to unload structured data to semi-structured formats such as JSON and parquet.

- True^{correct}
- False

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-unload-prepare.html>

24. What transformations are supported in a CREATE PIPE ... AS COPY ... FROM (....) statement? (Select TWO.)

- Data can be filtered by an optional where clause^{correct}
- Incoming data can be joined with other tables
- Columns can be reordered^{correct}
- Columns can be omitted^{correct}

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- Row level access can be defined

Question was not answered

25. What is the minimum Snowflake edition that provides data sharing?

- Standardcorrect
- Premier
- Enterprise
- Business Critical Edition

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/intro-editions.html#data-sharing>

26. Which of the following connectors allow Multi-Factor Authentication (MFA) authorization when connecting? (Choose all that apply.)

- JDBCcorrect
- SnowSQLcorrect
- Snowflake Web Interface (UI)correct
- ODBCcorrect
- Pythoncorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/security-mfa.html>

27. How long is Snowpipe data load history retained?

- As configured in the create pipe settings
- Until the pipe is dropped
- 64 dayscorrect
- 14 days

Question was not answered

Explanation:

Bulk data load

Stored in the metadata of the target table for 64 days. Available upon completion of the COPY statement as the statement output.

<https://docs.snowflake.com/en/user-guide/data-load-snowpipe-intro.html#:~:text=Load%20History,-Bulk%20data%20load&text=Stored%20in%20the%20metadata%20of,statement%20as%20the%20statement%20output.&text=Stored%20in%20the%20metadata%20of%20the%20pipe%20for%2014%20days>

28. True or False: Snowflake's data warehouse was built from the ground up for the cloud in lieu of using an existing database or a platform, like Hadoop, as a base.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/intro-key-concepts.html>

29. What happens when a Data Provider revokes privileges to a Share on an object in their source database?

- The object immediately becomes unavailable for all Data Consumerscorrect
- Any additional data arriving after this point in time will not be visible to Data Consumers

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- The Data Consumers stop seeing data updates and become responsible for storage charges for the object
- A static copy of the object at the time the privilege was revoked is created In the Data Consumers' accounts

Question was not answered

30. Which of the following connectors are available in the Downloads section of the Snowflake web Interface (UI) Choose 2 answers

- SnowSQLcorrect
- ODBCcorrect
- R
- HIVE

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/connecting.html>

31. What privileges are required to create a task?

- The global privilege create task is required to create a new task.
- Tasks are created at the Application level and can only be created by the Account Admin role.
- Many Snowflake DDLs are metadata operations only, and create task DDL can be executed without virtual warehouse requirement or task specific grants.
- The role must have access to the target schema and the create task privilege on the schema itself.correct

Question was not answered

Explanation:

All tasks in a simple tree must have the same task owner (i.e. a single role must have the OWNERSHIP privilege on all of the tasks in the tree). All tasks in a simple tree must exist in the same schema.

<https://docs.snowflake.com/en/user-guide/tasks-intro.html#creating-tasks>

32. Which data types does Snowflake support when querying semi-structured data? (Select TWO)

- VARIANTcorrect
- ARRAYcorrect
- VARCHAR
- XML
- BLOB

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/semistructured-intro.html#label-loading-semi-structured-data>

A VARIANT stores semi-structured data in Snowflake. It can store a value of any other type, including OBJECT and ARRAY.

The maximum length of a VARIANT is 16 MB.

A Snowflake ARRAY is similar to an array in many other programming languages. An ARRAY contains 0 or more pieces of data. Each element is accessed by specifying its position in the array.

33. Which of the following statements describes a benefit of Snowflake's separation of compute and storage? (Choose all that apply.)

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- Growth of storage and compute are tightly coupled togethercorrect
- Storage expands without the requirement to add more computecorrect
- Compute can be scaled up or down without the requirement to add more storagecorrect
- Multiple compute clusters can access stored data without contentioncorrect

Question was not answered

Explanation:

Reference: <https://towardsdatascience.com/why-you-are-throwing-money-away-if-your-cloud-data-warehousedoesnt-separate-storage-and-compute-65d2dff450f>

34. What feature can be used to reorganize a very large table on one or more columns?

- Micro-partitions
- Clustering keyscorrect
- Key partitions
- Clustered partitions

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/tables-clustering-keys.html>

35. What are two ways to create and manage Data Shares in Snowflake? (Choose two.)

- Via the Snowflake Web Interface (UI)correct
- Via the data_share=true parameter
- Via SQL commandscorrect
- Via Virtual Warehouses

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-sharing-provider.html>

36. Which copy INTO command outputs the data into one file?

- SINGLE=TRUE
- MAX_FILE_NUMBER=1correct
- FILE_NUMBER=1
- MULTIPLE=FAISE

Question was not answered

37. How many shares can be consumed by single Data Consumer?

- 1
- 10
- 100, but can be increased by contacting support
- Unlimitedcorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-sharing-intro.html>

38. What command is used to load files into an Internal Stage within Snowflake?

- PUTcorrect
- COPY INTO
- TRANSFER
- INSERT

Question was not answered

Explanation:

You must specify an internal stage in the PUT command when uploading files to Snowflake. You
<https://www.dumps4expert.com/COF-C02-exam-dumps>

must specify the same stage in the COPY INTO <table> command when loading data into a table from the staged files.

39. True or False: The user has to specify which cluster a query will run on in multi-clustering Warehouse.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/warehouses-multiclust.html>

40. Why would a customer size a Virtual Warehouse from an X-Small to a Medium?

- To accommodate more queries
- To accommodate more users
- To accommodate fluctuations in workload
- To accommodate a more complex workloadcorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/warehouses-considerations.html>

41. How would you determine the size of the virtual warehouse used for a task?

- Root task may be executed concurrently (i.e. multiple instances), it is recommended to leave some margins in the execution window to avoid missing instances of execution
- Querying (select) the size of the stream content would help determine the warehouse size. For example, if querying large stream content, use a larger warehouse size
- If using the stored procedure to execute multiple SQL statements, it's best to test run the stored procedure separately to size the compute resource firstcorrect
- Since task infrastructure is based on running the task body on schedule, it's recommended to configure the virtual warehouse for automatic concurrency handling using Multi-cluster warehouse (MCW) to match the task schedule

Question was not answered

42. Which of the following are examples of operations that require a Virtual Warehouse to complete, assuming no queries have been executed previously? Choose 3 answers

- MIN(< < column value>>)correct
- COPYcorrect
- SUM(<< column value >>)correct
- UPDATEcorrect

Question was not answered

43. What are the default Time Travel and Fail-safe retention periods for transient tables?

- Time Travel - 1 day. Fail-safe - 1 day
- Time Travel - 0 days. Fail-safe - 1 day
- Time Travel - 1 day. Fail-safe - 0 dayscorrect
- Transient tables are retained in neither Fail-safe nor Time Travel

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/data-cdp-storage-costs.html#:~:text=Temporary%20and%20Transient%20Tables,-To%20help%20manage&text=Temporary%20tables%20can%20also%20have,have%20no%20Fail%2Dsafe%20period.>

44. What happens when a virtual warehouse is resized?

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- When increasing the size of an active warehouse the compute resource for all running and queued queries on the warehouse are affected
- When reducing the size of a warehouse the compute resources are removed only when they are no longer being used to execute any current statements.correct
- The warehouse will be suspended while the new compute resource is provisioned and will resume automatically once provisioning is complete.
- Users who are trying to use the warehouse will receive an error message until the resizing is complete

Question was not answered

45. Which statements are true of micro-partitions? Choose 2 answers

- They are approximately 16MB in sizecorrect
- They are stored compressed only if COMPRESS=TRUE on Table
- They are Immutablecorrect
- They are only encrypted in the Enterprise edition and above

Question was not answered

Explanation:

Reference: <https://medium.com/weareservian/seeing-snow-for-the-first-time-snowflake-adventures-part-1-731ddc983c69>

46. Which Snowflake partner specializes in data catalog solutions?

- Alationcorrect
- DataRobot
- dbt
- Tableau

Question was not answered

Explanation:

Alation provides Data Cataloging functionality. They state they are the 'One Place to Find, Understand, & Govern Data Across an Enterprise.

<https://docs.snowflake.com/en/user-guide/ecosystem-all.html>

47. A virtual warehouse's auto-suspend and auto-resume settings apply to which of the following?

- The primary cluster in the virtual warehouse
- The entire virtual warehousecorrect
- The database in which the virtual warehouse resides
- The Queries currently being run on the virtual warehouse

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/warehouses-overview.html#:~:text=Similarly%2C%20auto%2Dresume%20ensures%20that,individual%20clusters%20in%20the%20warehouse.>

48. True or False: Snowpipe via RFST API can only reference External Stages as source.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://community.snowflake.com/s/article/Making-Transient-table-by-Default>

49. Which statement best describes " clustering"?

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- Clustering represents the way data is grouped together and stored within snowflake's micro-partitionscorrect
- The database administrator must define the clustering methodology for each Snowflake table.
- The clustering key must be included on the COPY command when loading data into Snowflake.
- Clustering can be disabled within a Snowflake account.

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/tables-clustering-micropartitions.html>

50. Which of the following statements would be used to export/unload data from Snowflake?

- COPY INTO @stagecorrect
- EXPORT TO @stage
- INSERT INTO @stage
- EXPORT_TO_STAGE (stage = > @Wage, select = > 'select * from t1');

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-unload-considerations.html>

51. What is a machine learning and data science partner within the Snowflake Partner Ecosystem?

- Informatica
- Power BI
- Adobe
- Data Robotcorrect

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/ecosystem-analytics.html>

52. What is a key feature of Snowflake architecture?

- Zero-copy cloning creates a mirror copy of a database that updates with the original
- Software updates are automatically applied on a quarterly basis
- Snowflake eliminates resource contention with its virtual warehouse implementation
- Multi-cluster warehouses allow users to run a query that spans across multiple clusterscorrect
- Snowflake automatically sorts DATE columns during ingest for fast retrieval by date

Question was not answered

53. Which of the following roles is recommended to be used to create and manage users and roles?

- SYSADMIN
- SECURITYADMINcorrect
- PUBLIC
- ACCOUNTADMIN

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/security-access-control-overview.html> "Security admin: Role that can manage any object grant globally, as well as create, monitor, and manage users and roles"

54. Which of the following statements are true of VALIDATION_MODE in Snowflake? (Choose two.)

- The validation_mode option is used when creating an Internal Stagecorrect

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- validation_mode=return_all_errors is a parameter of the copy commandcorrect
- The validation_mode option will validate data to be loaded by the copy statement while completing the load and will return the rows that could not be loaded without error
- The validation_mode option will validate data to be loaded by the copy statement without completing the load and will return possible errorscorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/data-load-bulk-ts.html>

55. True or False: Once created, a micro-partition will never be changed.

- Truecorrect
- False

Question was not answered

Explanation:

Reference: <https://interworks.com/blog/kbridges/2019/03/12/time-travel-with-snowflake/>

56. To run a Multi-Cluster Warehouse in auto-scale mode, a user would:

- Configure the Maximum Clusters setting to "Auto-Scale"
- Set the Warehouse type to "Auto"
- Set the Minimum Clusters and Maximum Clusters settings to the same value
- Set the Minimum Clusters and Maximum Clusters settings to the different valuescorrect

Question was not answered

Explanation:

Reference: https://help.pentaho.com/Documentation/9.1/Products/Modify_Snowflake_warehouse

57. Which of the following describes how clustering keys work in Snowflake?

- Clustering keys update the micro-partitions in place with a full sort, and impact the DML operations.
- Clustering keys sort the designated columns over time, without blocking DML operationscorrect
- Clustering keys create a distributed, parallel data structure of pointers to a table's rows and columns
- Clustering keys establish a hashed key on each node of a virtual warehouse to optimize joins at run-time

Question was not answered

58. Which of the following are benefits of micro-partitioning? (Select TWO)

- Micro-partitions cannot overlap in their range of valuescorrect
- Micro-partitions are immutable objects that support the use of Time Travel.
- Micro-partitions can reduce the amount of I/O from object storage to virtual warehouses
- Rows are automatically stored in sorted order within micro-partitionscorrect
- Micro-partitions can be defined on a schema-by-schema basis

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/tables-clustering-micropartitions.html>

59. Which interfaces can be used to create and/or manage Virtual Warehouses?

- The Snowflake Web Interface (UI)
- SQL commands
- Data integration tools
- All of the abovecorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/warehouses.html>

60. When scaling out by adding clusters to a multi-cluster warehouse, you are primarily scaling for improved:

- Concurrencycorrect
- Performance

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/warehouses-multiclust.html>

61. True or False: You can query the files in an External Stage directly without having to load the data into a table.

- Truecorrect
- False

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/tables-external-intro.html>

External tables are read-only, therefore no DML operations can be performed on them; however, external tables can be used for query and join operations. Views can be created against external tables.

62. Which are true of Snowflake roles?

- All grants to objects are given to roles, and never to userscorrect
- In order to do DML/DOL, a user needs to have selected a single role that has that specific access to the object and operationcorrect
- The public role controls all other roles
- Roles are a subset of users and users own objects In Snowflake

Question was not answered

63. Query results are stored in the Result Cache for how long after they are last accessed, assuming no data changes have occurred?

- 1 Hour
- 3 Hours
- 12 hours
- 24 hourscorrect

Question was not answered

Explanation:

Reference: <https://community.snowflake.com/s/article/Caching-in-Snowflake-Data-Warehouse>

64. Which Snowflake object enables loading data from files as soon as they are available in a cloud storage location?

- Pipecorrect
- External stage
- Task
- Stream

Question was not answered

Explanation:

Snowpipe enables loading data from files as soon as they're available in a stage. This means you can load data from files in micro-batches, making it available to users within minutes, rather than manually executing COPY statements on a schedule to load larger batches.

<https://docs.snowflake.com/en/user-guide/data-load-snowpipe-intro.html>

65. Which of the following are best practices for users with the SYSADMIN/ACCOUNTADMIN roles? Choose 3 answers

- Their default role should be set to SYSTEMADMIN (the lower of the two)correct
- They should not set up multi_Factor Authentication (MFA)—as administrator they may need to change the MFA settings and those enrolled in MFA are unable to do so
- They should only access and 'step into' the ACCOUNTADMIN role temporarily, as needed to complete a specific operationcorrect
- They should ensure all database objects in the account are owned by the ACCOUNTADMIN role
- They should use the SYSADMIN role to perform administrative work on database objectscorrect

Question was not answered

66. Which statement best describes Snowflake tables?

- Snowflake tables are logical representations of underlying physical datacorrect
- Snowflake tables are the physical instantiation of data loaded into Snowflake
- Snowflake tables require that clustering keys be defined to perform optimally
- Snowflake tables are owned by a user

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/tables-micro-partitions.html>

67. True or False: A table in Snowflake can only be queried using the Virtual Warehouse that was used to load the

data.

- True
- Falsecorrect

Question was not answered

68. What is the MOST performant file format for loading data in Snowflake?

- CSV (Unzipped)correct
- Parquet
- CSV (Gzipped)
- ORC

Question was not answered

69. True or False: Snowflake's Global Services Layer gathers and maintains statistics on all columns in all micro-partitions.

- Truecorrect
- False

Question was not answered

Explanation:

Snowflake is a single, integrated platform delivered as-a-service. It features storage, compute, and global services layers that are physically separated but logically integrated.

70. True or False: Users are able to see the result sets of queries executed by other users that share their same role.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/security-access-control-considerations.html>

71. What Snowflake role must be granted for a user to create and manage accounts?

- ACCOUNTADMINcorrect
- ORGADMIN
- SECURITYADMIN
- SYSADMIN

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/security-access-control-considerations.html>

72. A company strongly encourages all Snowflake users to self-enroll in Snowflake's default Multi-Factor Authentication (MFA) service to provide increased login security for users connecting to Snowflake.

Which application will the Snowflake users need to install on their devices in order to connect with MFA?

- Okta Verify
- Duo Mobilecorrect
- Microsoft Authenticator
- Google Authenticator

Question was not answered

Explanation:

<https://docs.snowflake.com/en/user-guide/security-mfa.html>

73. True or False: Snowflake bills for a minimum of five minutes each time a Virtual Warehouse is started.

- True
- Falsecorrect

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/credits.html>

74. A user is preparing to load data from an external stage

Which practice will provide the MOST efficient loading performance?

- Organize files into logical paths
- Store the files on the external stage to ensure caching is maintained
- Use pattern matching for regular expression execution
- Load the data in one large filecorrect

Question was not answered

75. What SQL command would be used to view all roles that were granted to user.1?

- show grants to user USER1;correct
- show grants of user USER1;
- describe user USER1;
- show grants on user USER1;

Question was not answered

76. How often are encryption keys automatically rotated by Snowflake?

- 30 Dayscorrect
- 60 Days

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- 90 Days
- 365 Days

Question was not answered

Explanation:

All Snowflake-managed keys are automatically rotated by Snowflake when they are more than 30 days old. Active keys are retired, and new keys are created. When Snowflake determines the retired key is no longer needed, the key is automatically destroyed.

<https://docs.snowflake.com/en/user-guide/security-encryption-manage.html#:~:text=All%20Snowflake%2Dmanaged%20keys%20are,the%20key%20is%20automatically%20destroyed.>

77. The FLATEEN function is used to query which type of data in Snowflake?

- Structured data
- Semi-structured datacorrect
- Both of the above
- None of the above

Question was not answered

Explanation:

Reference: <https://docs.snowflake.com/en/user-guide/querying-semistructured.html>

FLATTEN is used to unnest semi-structured data. Don't see an application for structured data as by definition it shouldn't be nested.

78. Which of the following is true of Snowpipe via REST API? Choose 2 answers

- you can only use it on internal Stagescorrect
- All COPY INTO options are available fluting pipe creation
- Snowflake automatically manages the compute required to execute the Pipe's copy into commandscorrect
- Snowpipe keeps track of which files it has loadedcorrect

Question was not answered

Explanation:

<https://docs.snowflake.com/en/sql-reference/sql/create-pipe.html#usage-notes>

79. Which statement about billing applies to Snowflake credits?

- Credits are billed per-minute with a 60-minute minimum
- Credits are used to pay for cloud data storage usage
- Credits are consumed based on the number of credits billed for each hour that a warehouse runs
- Credits are consumed based on the warehouse size and the time the warehouse is runningcorrect

Question was not answered

Explanation:

Snowflake credits are used to pay for the consumption of resources on Snowflake. A Snowflake credit is a unit of measure, and it is consumed only when a customer is using resources, such as when a virtual warehouse is running, the cloud services layer is performing work, or serverless features are used. <https://docs.snowflake.com/en/user-guide/what-are-credits.html>

80. Which is true of Snowflake network policies? A Snowflake network policy: (Choose two.)

- Is available to all Snowflake Editionscorrect
- Is only available to customers with Business Critical Edition
- Restricts or enables access to specific IP addressescorrect

<https://www.dumps4expert.com/COF-C02-exam-dumps>

- Is activated using an “ALTER DATABASE” command
- Question was not answered

Which interfaces can be used to create and/or manage Virtual Warehouses?

- A.** The Snowflake Web Interface (UI)
- B.** SQL commands
- C.** Data integration tools
- D.** All of the Above

Answer: D

Which of the following objects can be cloned?

Choose 4 answers

- A.** Tables
- B.** Named File Formats
- C.** Schemas
- D.** Shares
- E.** Databases
- F.** Users

Answer:

ABCE

Which of the following DML commands isn't supported by Snowflake? Select one.

- A.** UPSERT
- B.** MERGE
- C.** UPDATE
- D.** TRUNCATE

TABLE Answer:

A

Increasing the maximum number of clusters in a Multi-Cluster Warehouse is an example of:

Select one.

- A.** Scaling rhythmically
- B.** Scaling max
- C.** Scaling out
- D.** Scaling

up Answer:

C

Account-level storage usage can be monitored via: Select one.

- A. The Snowflake Web Interface (UI) in the Databases section.**
- B. The Snowflake Web Interface (UI) in the Account -> Billing & Usage section**
- C. The Information Schema -> ACCOUNT_USAGE_HISTORY View**
- D. The Account Usage Schema -> ACCOUNT_USAGE_METRICSView**

Answer: B

What is the minimum Snowflake edition that provides multi-cluster warehouses and upto 90 days of Time Travel? Select one.

- A. Standard**
- B. Premier**
- C. Enterprise**
- D. Business Critical Edition**

Answer: C

True or False: Pipes can be suspended and resumed

- A. True**
- B. False**

Answer: A

Which of the following best describes where Snowflake's metadata is stored? Select one.

- A. Within the data files**
- B. Inside the Virtual Warehouses**
- C. In the Cloud Services Layer**
- D. Within the**

drivers Answer: C

Which of the following items does the Cloud Services Layer manage?

Choose 4 answers

- A. User authentication**
- B. Metadata**
- C. Query compilation and optimization**
- D. External blob storage**
- E. Data security**

Answer: ABCE

Which statement best describes Snowflake tables? Select one.

- A. Snowflake tables are logical representations of underlying physical data
- B. Snowflake tables are the physical instantiation of data loaded into Snowflake
- C. Snowflake tables require that clustering keys be defined to perform optimally
- D. Snowflake tables are owned by a

user Answer: A

Which formats are supported for unloading data from Snowflake?

Choose 2 answers

- A. Delimited (CSV, TSV, etc.)
- B. Avro
- C. JSON
- D. ORC

Answer:

AC

Which of the following are examples of operations that require a Virtual Warehouse to complete, assuming no queries have been executed previously?

Choose 3 answers

- A. MIN(<< column value >>)
- B. COPY
- C. SUM(<< column value >>)
- D. UPDATE

Answer: BCD

Why would a customer size a Virtual Warehouse from an X-Small to a Medium? Select one.

- A. To accommodate more queries.
- B. To accommodate more users.
- C. To accommodate fluctuations in workload.

D. To accommodate a more complex workload.

Answer: D

True or False: Fail-safe can be disabled within a Snowflake account.

- A. True**
- B. False**

Answer: B

True or False: Data Consumers must execute the SHARE REFRESH; command in order to view new or modified data in shared objects.

- A. True**
- B. False**

Answer: B

Which of the following statements about Data Sharing is true? Select one.

- A. Accounts can share with other accounts regardless of Snowflake edition, without requiring help from Snowflake support (e.g. Enterprise, Business Critical Edition)**
- B. Data sharing can cross regions, but not cloud providers**
- C. The Data Consumer can only see objects in the Data Provider's source database that have been explicitly added to the Share**
- D. A Data Provider can only share with other Snowflake customers**

Answer: A

True or False: Although a user can be granted multiple roles, each session has a single current role which determines current privileges.

- A. True**
- B. False**

Answer: A

True or False: All Snowflake table types include fail-safe storage.

- A. True
- B. False

Answer: B

True or False: Loading data via the COPY command only allows error handling on a per-file basis—all files are loaded in their entirety or marked as error, there are no partial loads.

- A. True
- B. False

Answer: B

What technique does Snowflake recommend for determining which Warehouse size to select?

Select one.

- A. Always start with an X-Small and size up if the query doesn't complete in 2 minutes
- B. Experiment by running the same queries against Warehouses of multiple sizes
- C. Use the default Snowflake chooses for you
- D. Use the Warehouse Size Selection Wizard in the Snowflake Web Interface (UI)

Answer: B

Query results are stored in the Result Cache for how long after they are last accessed, assuming no data changes have occurred?

Select one.

- A. 1 Hour
- B. 3 Hours
- C. 12 hours
- D. 24 hours

Answer: D

What is the minimum Snowflake edition that provides data sharing? Select one.

- A. Standard
- B. Premier
- C. Enterprise

D. Business Critical Edition

Answer: A

The Query History in the Snowflake Web Interface (UI) is kept for approximately:

Select one.

- A. 60 minutes
- B. 24 hours
- C. 14 days
- D. 30 days
- E. 1 year

Answer: C

To run a multi-cluster Warehouse in maximized mode, a user would: Select one.

- A. Configure the Maximum Clusters setting to "Maximum"
- B. Manually turn on the additional clusters after starting the Warehouse
- C. Set the Minimum Clusters and Maximum Clusters settings to the same value
- D. Set the Minimum Clusters and Maximum Clusters settings to the different values

Answer: A

True or False: The longer the data retention period, the higher the resulting storage costs.

- A. True
- B. False

Answer: A

Which statement best describes "clustering"? Select one.

- A. Clustering represents the way data is grouped together and stored within Snowflake's micro-partitions
- B. The database administrator must define the clustering methodology for each Snowflake table.
- C. The clustering key must be included on the COPY command when loading data into Snowflake.
- D. Clustering can be disabled within a Snowflake account.

Answer: A

Which of the following are options when creating a Virtual Warehouse?
Choose 2 answers

- A. Auto-drop**
- B. Auto-resize**
- C. Auto-resume**
- D. Auto-suspend**

Answer: CD

Each incremental increase in Virtual Warehouse size (e.g. Medium to Large) generally results in what?

Select one.

- A. More micro-partitions**
- B. Better query scheduling**
- C. Double the numbers of servers in the compute cluster**
- D. Higher storage costs**

Answer: C

What command is used to load files into an Internal Stage within Snowflake? Select one.

- A. PUT**
- B. COPY INTO**
- C. TRANSFER.**
- D. INSERT**

Answer: A

30. True or False: When Snowflake is configured to use Single Sign-On (SSO), Snowflake receives the usernames and credentials from the SSO service and loads them into the customer's Snowflake account.

- A. True**
- B. False**

Answer

:

B

What happens when a Data Provider revokes privileges to a Share on an object in their source database?

Select one.

- A. The object immediately becomes unavailable for all Data Consumers**
- B. Any additional data arriving after this point in time will not be visible to Data Consumers**
- C. The Data Consumers stop seeing data updates and become responsible for storage charges for the object**
- D. A static copy of the object at the time the privilege was revoked is created in the Data Consumers' accounts**

Answer: A

Which of the following statements are true of Virtual Warehouses? Select all that apply below.

- A.** Customers can change the size of the Warehouse after creation
- B.** A Warehouse can be resized while running
- C.** A Warehouse can be configured to suspend after a period of inactivity
- D.** A Warehouse can be configured to auto-resume when new queries are submitted

Answer: ABCD

What is the most granular object that the Time Travel retention period can be defined on? Select one.

- A.** Account
- B.** Database
- C.** Schema
- D.** Table

Answer: D

When a Pipe is recreated using the CREATE OR REPLACE PIPE command: Select one.

- A.** The Pipe load history is reset to empty
- B.** The REFRESH parameter is set to TRUE
- C.** Previously loaded files will be ignored
- D.** All of the above

Answer: A

True or False: Each worksheet in the Snowflake Web Interface (UI) can be associated with different roles, databases, schemas, and Virtual Warehouses.

- A.** True
- B.** Fals

e Answer:

A

A Virtual Warehouse's auto-suspend and auto-resume settings apply to: Select one.

- A.** The primary cluster in the Virtual Warehouse
- B.** The entire Virtual Warehouse
- C.** The database the Virtual Warehouse resides in
- D.** The queries currently being run by the Virtual Warehouse

Answer: B

To run a Multi-Cluster Warehouse in auto-scale mode, a user would:

Select one.

- A.** Configure the Maximum Clusters setting to "Auto-Scale"
- B.** Set the Warehouse type to "Auto"
- C.** Set the Minimum Clusters and Maximum Clusters settings to the same value
- D.** Set the Minimum Clusters and Maximum Clusters settings to the different values

Answer: D

A deterministic query is run at 8am, takes 5 minutes, and the results are cached. Which of the following statements are true?

Choose 2 answers

- A.** The exact query will ALWAYS return the precomputed result set for the `RESULT_CACHE_ACTIVE = time period`
- B.** The same exact query will return the precomputed results if the underlying data hasn't changed and the results were last accessed within the previous 24 hour period
- C.** The same exact query will return the precomputed results even if the underlying data has changed as long as the results were last accessed within the previous 24 hour period
- D.** The "24 hour" timer on the precomputed results gets renewed every time the exact query is executed

Answer: BD

How would you best determine the size of the virtual warehouse used for a task?

- A.** Root task may be executed concurrently (i.e. multiple instances), it is recommended to leave some margins in the execution window to avoid missing instances of execution
- B.** Querying (SELECT) the size of the stream content would help determine the warehouse size. For example, if querying large stream content, use a larger warehouse size.
- C.** If using the stored procedure to execute multiple SQL statements, it's best to test run the stored procedure separately to size the compute resource first.
- D.** Since task infrastructure is based on running the task body on schedule, it's recommended to configure the virtual warehouse for automatic concurrency handling using Multi-cluster warehouse (MCW) to match the task schedule.

Answer: D

40. . True or False: The following command will fail: `GRANT SELECT, INSERT, UPDATE, DELETE ON MYTABLE TO USER JOHN;`

- A.** True
- B.** False

Answer

: A

41. . True or False: Reader Accounts incur no additional Compute costs to the Data Provider since they are simply reading the shared data without making changes.

- A. True**
- B. False**

Answer

:

B

The FLATTEN function is used to query which type of data in Snowflake? Select one.

- A. Structured data**
- B. Semi-structured data**
- C. Both of the above**
- D. None of the above**

Answer: B

What is the default File Format used in the COPY command if one is not specified? Select one.

- A. CSV**
- B. JSON**
- C. Parquet**
- D. XML**

Answer: A

Which of the following are true of multi-cluster Warehouses? Select all that apply below.

- A. A multi-cluster Warehouse can add clusters automatically based on query activity**
- B. A multi-cluster Warehouse can automatically turn itself off after a period of inactivity**
- C. A multi-cluster Warehouse can scale down when query activity slows**
- D. A multi-cluster Warehouse can automatically turn itself on when a query is executed against it**

Answer: ABD

C

The fail-safe retention period is how many days? Select one.

- A. 1 day**
- B. 7 days**
- C. 45 days**
- D. 90 days**

Answer: B

Which of the following accurately represents how a table fits into Snowflake's logical container hierarchy? Select one.

- A.** Account -> Schema -> Database -> Table
- B.** Account -> Database -> Schema -> Table
- C.** Database -> Schema -> Table -> Account
- D.** Database -> Table -> Schema -> Account

Answer: B

True or False: Snowflake charges a premium for storing semi-structured data.

- A.** True
- B.** Fals

e Answer:

B

Which of the following connectors are available in the Downloads section of the Snowflake Web Interface (UI)?

Choose 2 answers

- A.** SnowSQL
- B.** ODBC
- C.** R
- D.** HIVE

Answer:

AB

True or False: When active, a Pipe requires a dedicated Virtual Warehouse to execute.

- A.** True
- B.** Fals

e Answer:

B

True or False: The PUT command can be run through the Snowflake Web Interface (UI).

- A.** True
- B.** Fals

e Answer:

B

True or False: Users are able to see the result sets of queries executed by other users that share their same role.

- A.** True
- B.** False

Answer: B

True or False: You can query the files in an External Stage directly without having to load the data into a table.

- A. True**
- B. Fals**

e Answer:

A

What is the recommended Snowflake data type to store semi-structured data like JSON?

Select one.

- A. VARCHAR**
- B. RAW**
- C. LOB**
- D. VARIAN**

T Answer: D

Which of the following statements are true about Schemas in Snowflake?

Choose 2 answers

- A. A Schema may contain one or many Databases**
- B. A Database may contain one or many Schemas**
- C. A Schema is a logical grouping of Database Objects**
- D. Each schema is contained within a**

Warehouse Answer: BC

True or False: Snowflake charges additional fees to Data Providers for each Share they create.

- A. True**
- B. False**

Answer: B

When can a Virtual Warehouse start running queries? Select one.

- A.** 12am-5am
- B.** Only during administrator defined time slots
- C.** When its provisioning is complete
- D.** After

replication Answer:

C

As a best practice, clustering keys should only be defined on tables of which minimum size?

Select one.

- A.** Multi-Kilobyte (KB) Range
- B.** Multi-Megabyte (MB) Range
- C.** Multi-Gigabyte (GB) Range
- D.** Multi-Terabyte (TB)

Range Answer: D

In which layer of its architecture does Snowflake store its metadata statistics? Select one.

- A.** Storage Layer
- B.** Compute Layer
- C.** Database Layer
- D.** Cloud Services Layer

Answer: D

If a Small Warehouse is made up of 2 servers/cluster, how many servers/cluster make up a Medium Warehouse?

Select one.

- A.** 4
- B.** 16
- C.** 32
- D.** 128

Answer: A

Select the three types of tables that exist within Snowflake.
Choose 3 answers

- A. Temporary**
- B. Transient**
- C. Provisional**
- D. Permanent**

Answer: ABD

Which item in the Data Warehouse migration process does not apply in Snowflake?
Select one.

- A. Migrate Users**
- B. Migrate Schemas**
- C. Migrate Indexes**
- D. Build the Data Pipeline**

Answer: C

65. What would you do to execute a series of tasks that run in sequence and are dependent on the previous task execution?

- A.** Create a series of tasks based on a series of schedules. Example Create one task that runs every 1 minutes, and a following task that runs every 2 minutes and soon:
`CREATE TASK task1 .. SCHEDULE = '1 minute' CREATE TASK task2 ... SCHEDULE = '2 minute'`
- B.** When creating a task, indicate a predecessor task that it should run after. In this way, you can string together a number of tasks, all dependent on one task or each other.
- C.** Create a stored procedure for each task: `CREATE PROCEDURE my_task1_spl()...`
`CREATE PROCEDURE my_task2_sp2();` Then create a simple tree by specifying the stored procedure `my_task_spl` as the predecessor that triggers the new task `my_task2` when run successfully `CREATE TASK my_task2 WAREHOUSE = mywh AFTER my_task1_spl AS ...`
- D.** This is currently not possible using

Snowflake. Answer: B

The PUT command is used to place local files into: Select one.

- A. An External Stage**
- B. A Stage Zone**
- C. A Transient Stage**
- D. An Internal Stage**

Answer: D

What are the three layers that make up Snowflake's architecture?

Choose 3 answers

- A. Compute**
- B. Tri-Secret Secure**
- C. Storage**
- D. Cloud Services**

Answer: ACD

True or False: A table in Snowflake can only be queried using the Virtual Warehouse that was used to load the data.

- A. True**
- B. Fals**

e

Answer:

B

Snowflake provides two mechanisms to reduce data storage costs for short-lived tables. These mechanisms are:

Choose 2 answers

- A. Temporary Tables**
- B. Transient Tables**
- C. Provisional Tables**
- D. Permanent Tables**

Answer: AB

Which statements are true of micro-partitions?

Choose 2 answers

- A. They are approximately 16MB in size**
- B. They are stored compressed only if COMPRESS=TRUE on Table**
- C. They are immutable**
- D. They are only encrypted in the Enterprise edition and above**

Answer: AC

True or False: It is best practice to define a clustering key on every table.

- A. True**
- B. Fals**

e Answer:

B

Which of the following objects is not covered by Time Travel? Select one.

- A. Tables**
- B. Schemas**
- C. Databases**
- D. Stages**

Answer: D

The Information Schema and Account Usage Share provide storage information for which of the following objects?

Choose 3 answers

- A. Users**
- B. Tables**
- C. Databases**
- D. Internal Stages**

Answer: BCD

Data storage for individual tables can be monitored using which commands and/or object(s)?

Choose 2 answers

- A. SHOW TABLES;**
- B. SHOW STORAGE BY TABLE;**
- C. Information Schema -> TABLE_STORAGE_METRICS**
- D. Information Schema -> TABLE_HISTORY**

Answer: AC

True or False: A Virtual Warehouse consumes Snowflake credits even when inactive.

- A. True**
- B. Fals**

e Answer:

B

For a multi-cluster Warehouse, the number of credits billed is calculated on: Select one.

- A. The number of queries that ran using the Warehouse.**
- B. The size of the Warehouse and the number of clusters that ran within a giventime period.**
- C. The size of the Warehouse and the maximum number of clusters configured forthe Warehouse.**

D. The number of users who accessed the Warehouse.

Answer: B

What is the maximum compressed row size in Snowflake? Select one.

- A. 8KB**
- B. 16MB**
- C. 50MB**
- D. 4000GB**

Answer: B

What are the three things customers want most from their enterprise data warehouse solution?

Choose 3 answers

- A. On-premise availability**
- B. Simplicity**
- C. Open source based**
- D. Concurrency**
- E. Performance**

Answer: BDE

Which of the following statements are true of Snowflake releases:

Choose 2 answers

- A. They happen approximately weekly**
- B. They roll up and release approximately monthly, but customers can request early release application**
- C. During a release, new customer requests/queries/connections transparently move over to the newer version**
- D. A customer is assigned a 30 minute window (that can be moved anytime within a week) during which the system will be unavailable and the customer is upgraded [**

Answer: AC

True or False: A customer using SnowSQL I native connectors will be unable to also use the Snowflake Web Interface (UI) unless access to the UI is explicitly granted by support.

- A. True**
- B. Fals**

e Answer:

B

Which of the following connectors allow Multi-Factor Authentication (MFA) authorization when connecting?
Select all the below that apply.

- A. JDBC**
- B. SnowSQL**
- C. Snowflake Web Interface (UI)**
- D. ODBC**
- E. Python**

Answer:

ABCDE

Which of the following commands are not blocking operations?
Choose 2 answers

- A. UPDATE**
- B. INSERT**
- C. MERGE**
- D. COPY**

Answer:

BD

True or False: Micro-partition metadata enables some operations to be completed without requiring Compute.

- A. True**
- B. Fals**

e Answer:

A

Select the different types of Internal Stages:
Choose 3 answers

- A. Named Stage**
- B. User Stage**
- C. Table Stage**
- D. Schema Stage**

Answer: ABC

True or False: Snowpipe via REST API can only reference External Stages as source.

- A. True**
- B. Fals**

e Answer:

B

Snowflake Virtual Warehouses are part of which layer of the Snowflake architecture?
Select one.

- A. Compute Layer**
- B. Storage Layer**
- C. Database Layer**
- D. Cloud Services**

Layer Answer: A

Which of the following terms best describes Snowflake's database architecture? Select one.

- A. Columnar shared nothing**
- B. Shared disk**
- C. Multi-cluster, shared data**
- D. Cloud-native shared**

memory Answer: C

Which of the following roles is recommended to be used to create and manage users and roles?

Select one.

- A. SYSADMIN**
- B. SECURITYADMIN**
- C. PUBLIC**
- D. ACCOUNTADMIN**

Answer: B

True or False: Every object is owned by one and only one role; therefore a user must be using that role to access the object.

- A. True**
- B. False**

Answer: B

What are the two ways Snowflake offers to create Virtual Warehouses?

Choose 2 answers

- A.** The Snowflake Web Interface (UI) using the Create button in the Warehouse tab
- B.** The CREATE WAREHOUSE command
- C.** The CREATE VIRTUAL-WAREHOUSE command
- D.** Asking Snowflake support to create the Warehouse for you

Answer: AB

93. Which of the following is an example of an operation that can be completed without requiring Compute, assuming no queries have been executed previously? Select one.

- A.** SELECT SUM(ORDER_AMT) FROM SALES;
- B.** SELECT AVG(ORDER_QTY) FROM SALES;
- C.** SELECT MIN(ORDER_AMT) FROM SALES;
- D.** SELECT ORDER_AMT * ORDER_QTY FROM

SALES; Answer: C

Which of the following commands sets the Virtual Warehouse for a session? Select one.

- A.** COPY WAREHOUSE FROM <<config file>>;
- B.** SET WAREHOUSE = <<warehouse name>>;
- C.** USE WAREHOUSE <<warehouse name>>;
- D.** USE VIRTUAL_WAREHOUSE <<warehouse

name>>; Answer: C

95. True or False: A third-party tool that supports standard JDBC or ODBC but has no Snowflake-specific driver will be unable to connect to Snowflake.

- A.** True
- B.** False

e Answer:

B

96. . Snowflake recommends, as a minimum, that all users with the following role(s) should be enrolled in Multi-Factor Authentication (MFA):

Select one.

- A.** SECURITYADMIN, ACCOUNTADMIN, PUBLIC, SYSADMIN
- B.** SECURITYADMIN, ACCOUNTADMIN, SYSADMIN
- C.** SECURITYADMIN, ACCOUNTADMIN
- D.** ACCOUNTADMIN

Answer: D

Which of the following statements is true of Snowflake micro-partitioning? Select one.

- A.** Micro-partitioning has been known to introduce data skew
- B.** Micro-partitioning: requires a partitioning schema to be defined up front
- C.** Micro-partitioning is transparently completed using the ordering that occurs when the data is inserted/loaded
- D.** Micro-partitioning can be disabled within a Snowflake

account Answer: C

True or False: During data unloading, only JSON and CSV files can be compressed.

- A.** True
- B.** False

Answer:

B

The number of queries that a Virtual Warehouse can concurrently process is determined by:

Choose 2 answers

- A.** The complexity of each query
- B.** The CONCURRENT_QUERY_LIMIT parameter set on the Snowflake account
- C.** The size of the data required for each query
- D.** The tool that is executing the

query Answer: AC

True or False: Snowflake requires that a single user run its ETL, reporting, and data science workloads on the same Virtual Warehouse.

- A.** True
- B.** False

Answer: B

True or False: You can define multiple columns within a clustering key on a table.

- A.** True

B. False

Answer:

A

True or False: A 4X-Large Warehouse may, at times, take longer to provision than a X-Small Warehouse.

- A. True**
- B. False**

Answer: A

True or False: You can resize a Virtual Warehouse while queries are running.

- A. True**
- B. False**

Answer:

A

True or False: Fail-safe can be disabled within a Snowflake account.

- A. True**
- B. False**

Answer:

B

True or False: Some queries can be answered through the metadata cache and do not require an active Virtual Warehouse.

- A. True**
- B. False**

Answer:

A

When loading data into Snowflake, the COPY command supports
Choose 2 answers

- A. Joins**
- B. Filters**
- C. Data type conversions**
- D. Column reordering**
- E. Aggregates**

Answer: CD

How would you execute a series of SQL statements using Task?

- A.** Include the SQL statements in the body of the task `CREATE TASK mytask .. AS INSERT INTO target1 SELECT .. FROM stream_sl WHERE ..INSERT INTO target2SELECT .. FROM stream_sl WHERE ..`

- B.** A stored procedure can have only one DML statement per stored procedure invocation and therefore you should sequence stored procedures calls in the taskdefinition
CREATE TASK mytaskAS call stored_procl(); call stored_proc2();
- C.** A stored procedure executing multiple SQL statements and invoke the stored procedure from the task. CREATE TASK mytask AS call stored_proc_multiple_statements_inside();
- D.** Create a task for each SQL statement (e.g. resulting in task1, task2, etc) and string the series of SQL statements by having a control task calling task 1, task 2 sequentially.

Answer: C

Which of the following statements would be used to export/unload data from Snowflake?
Select one.

- A.** COPY INTO @stage
- B.** EXPORT TO @stage
- C.** INSERT INTO @stage
- D.** EXPORT_TO_STAGE(stage => @stage, select => 'select * from tl');

Answer: A

When should you consider disabling auto-suspend for a Virtual Warehouse?
Choose 2 answers

- A.** When users will be using compute at different times throughout a 24/7 period
- B.** When managing a steady workload
- C.** When the compute must be available with no delay or lag time
- D.** When you don't want to have to manually turn on the Warehouse each time a user needs it

Answer: AC

Which of the following statements is true of Virtual Warehouse resizing?
Select one.

- A.** A resize requires the Warehouse to be in suspended status.
- B.** A resize can be completed at any time.
- C.** A resize will affect running, queued, and new queries.
- D.** A resize can only be completed once per day.

Answer: B

What is the best approach for loading data into Snowflake?
Select one.

- A.** Merge files into one big file
- B.** Many big files and a big Virtual Warehouse size
- C.** Many small files with a high level of parallelism
- D.** Few files and a big Virtual Warehouse size

Answer: C

When a Pipe is recreated using the CREATE OR REPLACE PIPE command:
Select one.

- A. The Pipe load history is reset to empty**
- B. The REFRESH parameter is set to TRUE**
- C. Previously loaded files will be ignored**
- D. All of the above**

Answer: A

Which of the following languages can be used to implement Snowflake User Defined Functions (UDFs)?

Choose 2 answers

- A. Java**
- B. Javascript**
- C. SQL**
- D. Python**

Answer: BC

Which of the following statements are true?

Choose 3 answers

- A. The COPY command must reference a Stage or cloud storage location**
- B. A named File Format is optional when using the COPY command**
- C. A File format option used in the COPY command will override the one in Stage**
- D. A File Format object must be defined when creating a Stage**

Answer: ABC

True or False: A single schema can exist in more than one database.

- A. True**
- B. False**

ANSWER:B

Which types of data aren't natively supported in Snowflake?

Choose 2 answers

- A. CSV**
- B. XML**
- C. JPEG**
- D. MP4**

ANSWER:

CD

What is the optimal file size for non-continuous bulk data loading into Snowflake?

Select one.

A. 100 Kilobytes-1 Megabyte

- B. 1 Megabyte - 10 Megabytes**
- C. 10 Megabytes - 100 Megabytes**
- D. 1 Gigabyte or above**

ANSWER:C

Which object allows you to limit the number of credits consumed within a Snowflake account?

SELECT ONE.

- A. Account Usage Tracking**
- B. Resource Monitor**
- C. Warehouse Limit Parameter**
- D. Credit Consumption Tracker**

ANSWER:B

True or False: The user has to specify which cluster a query will run on in a multi-cluster Warehouse.

- A. TRUE**
- B. FALSE**

ANSWER:B

If auto-suspend is enabled for a Virtual Warehouse, the Warehouse is automatically suspended when:

SELECT ONE.

- A. All Snowflake sessions using the Warehouse are terminated.**
- B. The last query using the Warehouse completes.**
- C. There are no users logged into Snowflake.**
- D. The Warehouse is inactive for a specified period of time.**

ANSWER:D

Which is true of Snowflake network policies? A Snowflake network policy:

CHOOSE 2 ANSWERS

- A. Is available to all Snowflake Editions**
- B. Is only available to customers with Business Critical Edition**
- C. Restricts or enables access to specific IP addresses**
- D. Is activated using an "ALTER DATABASE" command.**

ANSWER:AC

Which of the following is true of Snowpipe via REST API?

CHOOSE 2 ANSWERS

- A.** You can only use it on Internal Stages
- B.** All COPY INTO options are available during pipe creation
- C.** Snowflake automatically manages the compute required to execute the Pipe's COPYINTO commands
- D.** Snowpipe keeps track of which files it has loaded

ANSWER:CD

- A.** TRUE
- B.** FALSE

ANSWER:B

When sizing a Virtual Warehouse up to the next available t-shirt size, the number of servers increase by a factor of what?

SELECT ONE.

- A.** 1
- B.** 2
- C.** 4
- D.** 8

ANSWE

R:B

Which of the following operations can be completed without requiring Compute?

SELECT ONE.

- A.** INSERT
- B.** UPDATE
- C.** DROP
- D.** MERGE

ANSWER:C

What is the default value in the Snowflake Web Interface (UI) for auto suspending a Virtual Warehouse?

SELECT ONE.

- A.** 1 minute
- B.** 5 minutes
- C.** 10 minutes
- D.** 15 minutes

ANSWER:C

When creating a user it is advisable to:

SELECT 2 ANSWERS

- A.** Set the user to be initially disabled
- B.** Force an immediate password change
- C.** Set a default role for the user
- D.** Set the number of minutes to unlock to 15 minutes
- E.** Set the user's access to expire within a specified timeframe

ANSWER:BC

True or False: Bulk unloading of data from Snowflake supports the use of a SELECT statement.

- A.** TRUE
 - B.** FALSE
- ANSWER:A

True or False: When a new Snowflake object is created, it is automatically owned by the user who created it.

- A.** TRUE
- B.** FALSE

ANSWER:B

What is the minimum Snowflake edition that customers planning on storing protected information in Snowflake should consider for regulatory compliance? Select one.

- A.** Standard
- B.** Premier
- C.** Enterprise
- D.** Business Critical Edition

ANSWER:C



How many shares can be consumed by a single Data Consumer?

SELECT ONE.

- A.** 1
- B.** 10
- C.** 100z but can be increased by contacting
- D.** Unlimited

ANSWER:D

True or False: Snowflake's data warehouse was built from the ground up for the cloud in lieu of using an existing database or a platform, like Hadoop, as a base.

- A. TRUE**
- B. FALSE**

ANSWER:B

True or False: Snowflake bills for a minimum of five minutes each time a Virtual Warehouse is started.

- A. TRUE**
- B. FALSE**

ANSWER:B

What parameter controls if the Virtual Warehouse starts immediately after the CREATE WAREHOUSE statement?

SELECT ONE.

- A. INITIALLY_SUSPENDED = TRUE/FALSE**
- B. START_AFTER_CREATE = TRUE/FALSE**
- C. START_TIME = 60 11 (seconds from now)**
- D. STARTTIME = CURRENT_DATE()**

ANSWER:A

Which of the following are main sections of the top navigation of the Snowflake Web Interface (UI)?

CHOOSE 3 ANSWERS

- A. Databases**
- B. Tables**
- C. Warehouses**
- D. Worksheets**

ANSWER:ACD

When scaling up Virtual Warehouses by increasing Virtual Warehouse t-shirt size, you are primarily scaling for improved:

SELECT ONE.

- A. Concurrency**

B. Performance

ANSWER:B

The default Time Travel retention period is:

SELECT ONE.

- A. 1 day**
- B. 7 day**
- C. 45 days**
- D. 90 days**

ANSWER:A

Which of the following statements is true of zero-copy cloning?

SELECT ONE.

- A. Zero-copy clones increase storage costs as cloning the table requires storing its data twice**
- B. All zero-copy clone objects inherit the privileges of their original objects**
- C. Zero-copy cloning is licensed as an additional Snowflake feature**
- D. At the instance/instant a clone is created, all micro-partitions in the original table and the clone are fully shared**

ANSWER:D

Which of the following are common use cases for zero-copy cloning?

CHOOSE 3 ANSWERS

- A. Quick provisioning of Dev and Test/QA environments**
- B. Data backups**
- C. Point in time snapshots**
- D. Performance optimization**

ANSWER:ABC

True or False: A single database can exist in more than one Snowflake account.

- A. TRUE**
- B. FALSE**

ANSWER:B

True or False: ACCOUNTADMINs are able to see the result sets of queries executed by all users within a Snowflake account.

- A. TRUE**
- B. FALSE**

ANSWER:B

True or False: Reader Accounts are able to extract data from shared data objects for use outside of Snowflake.

- A. TRUE**
- B. FALSE**

ANSWER:B

True or False: Once created, a micro-partition will never be changed.

- A. TRUE**
- B. FALSE**

ANSWER:A

Which of the following statements describes a benefit of Snowflake's separation of compute and storage? Select all the below that apply.

- A. Growth of storage and compute are tightly coupled together**
- B. Storage expands without the requirement to add more compute**
- C. Compute can be scaled up or down without the requirement to add more storage**
- D. Multiple compute clusters can access stored data without contention**

ANSWER:BCD

True or False: Multi-Factor Authentication (MFA) is available only to customers with Enterprise edition and above.

- A. TRUE**
- B. FALSE**

ANSWER:B

Which statement best describes Snowflake tables?
Select one.

- A. Snowflake tables are logical representations of underlying physical data**
- B. Snowflake tables are the physical instantiation of data loaded into**
- C. Snowflake Snowflake tables require that clustering keys be defined to perform**

optimally

D. Snowflake tables are owned by a user

Answer: A

What is the minimum Snowflake edition that provides data sharing?

Select one.

- A.** Standard
- B.** Premier
- C.** Enterprise
- D.** Business Critical Edition

ANSWER:A

How would you best determine the size of the virtual warehouse used for a task?

- A.** Root task may be executed concurrently (i.e. multiple instances), it is recommended to leave some margins in the execution window to avoid missing instances of execution
- B.** Querying (SELECT) the size of the stream content would help determine the warehouse size. For example, if querying large stream content, use a larger warehouse size.
- C.** If using the stored procedure to execute multiple SQL statements, it's best to test run the stored procedure separately to size the compute resource first.
- D.** Since task infrastructure is based on running the task body on schedule, it's recommended to configure the virtual warehouse for automatic on-demand scaling.

ANSWER:D

True or False: When a user creates a role, they are initially assigned ownership of the role and they maintain ownership until it is transferred to another user.

- A.** True
- B.** False

ANSWER:

B

True or False: An active warehouse is required to run a COPY INTO statement.

- A.** True
- B.** False

ANSWER:A

Fail-safe is unavailable on which table types?
Choose 2 answers

- A.** Temporary
- B.** Transient
- C.** Provisional

D. Permanent

Answer: AB

How are Snowpipe charges calculated?
Select one.

- A. Per-second/per Warehouse size**
- B. Per-second/per-core granularity**
- C. Number of Pipes in account**
- D. Total storage bucket size**

Answer: B

True or False: Multi-Factor Authentication (MFA) in Snowflake is only supported in conjunction with Single Sign-On (SSO).

- A. True**
- B. False**

Answer:

B

Which are true of Snowflake roles?

Choose 2 answers

- A. All grants to objects are given to roles, and never to users**
- B. In order to do DML/DDI, a user needs to have selected a single role that has that specific access to the object and operation**
- C. The PUBLIC role controls all other roles**
- D. Roles are a subset of users and users own objects in Snowflake**

Answer: AB

True or False: Snowflake allows its customers to directly access the micro-partition files that make up its tables.

- A. True**
- B. False**

Answer:

B

Which of the following statements about data sharing are true?

Choose 2 answers

- A.** New objects created by a Data Provider are automatically shared with existing Data Consumers & Reader Accounts
- B.** All database objects can be included in a shared database
- C.** Reader Accounts are created and funded by Data Providers

D. Shared databases are read-only

Answer: CD

Credit Consumption by the Compute Layer (Virtual Warehouses) is based on:

Choose 2 answers

- A.** Number of users
- B.** Warehouse size
- C.** Amount of data processed
- D.** # of clusters for the Warehouse

Answer: BD

Select one.

How are Snowpipe charges calculated?

- A.** Per-second/per Warehouse size
- B.** Per-second/per-core granularity
- C.** Number of Pipes in account
- D.** Total storage bucket size

Answer: B

What is the recommended method for loading data into Snowflake?

Select one.

- A.** Load row by row
- B.** Load data in batch
- C.** Load data by writing it in the Snowflake Web Interface (UI)
- D.** Load data via frequent, single row DML's

Answer: B

Which of the following are best practices for users with the SYSADMIN/ACCOUNTADMIN roles?

Choose 3 answers

- A.** Their default role should be set to SYSADMIN (the lower of the two)
- B.** They should not set up Multi-Factor Authentication (MFA)-as administrators they may need to change the MFA settings and those enrolled in MFA are unable to do so
- C.** They should only access and 'step into' the ACCOUNTADMIN role temporarily, as needed to complete a specific operation
- D.** They should ensure all database objects in the account are owned by the ACCOUNTADMIN role
- E.** They should use the SYSADMIN role to perform administrative work on database objects

Answer: ACE

True or False: It is possible to use the VALIDATE option or operation to view all of the records that failed to load on a previous run.

- A. True
- B. False

Answer:

A

True or False: AWS Private Link provides a secure connection from the Customer's on-premise data center to the Snowflake Virtual Private Cloud (VPC).

- A. True
- B. False

Answer:

B

True or False: The COPY command supports regular expressions to filter the population of files to be loaded.

- A. True
- B. False

Answer:

A

True or False: Data Providers can share data with only one Data Consumer.

- A. True
- B. False

Answer:

B

ACCOUNTADMIN can execute which of the following commands on existing users?

Select one.

- A. Can SHOW users, DESCRIBE a given user or ALTER or DROP a user
- B. Can DEFINE users, DESCRIBE a given user or ALTER or DELETE a user
- C. Can SHOW users, INDEX a given user or ALTER or DELETE a user
- D. Can SHOW users, DEFINE a given user or ALTER, DROP or MODIFY a user

Answer: A

True or False: Data Providers can share data with only one Data Consumer.

- A. True
- B. False

Answer:

B

What is the minimum duration charged when starting a virtual warehouse?

Select one.

- A. 1 second
- B. 1 minute
- C. 1 hour
- D. 1 day

Answer: B

Which of the following statements apply to Snowflake In terms of security?

Choose 2 answers

- A. Snowflake leverages a role-based access control model
- B. Snowflake requires you to configure an IAM user in order to connect to the database
- C. All data in Snowflake is encrypted
- D. Snowflake can run within a customer's own Virtual Private Cloud (VPC)

Answer: AC

Which of the following statements is true of data loading?

Select one.

- A. Resizing the Virtual Warehouse from X-Small to Small will process a single file twice as fast
- B. The ideal file size for loading is 16MB to match micro-partition size
- C. Many files in the 10-100MB range tend to land in the "sweet spot" for load parallelism
- D. Once loaded, there is no option to force a reload of an already loaded file

Answer: C

SnowSQL can unload query results to a local file system in the following file formats:

Choose 3 answers

- A. JSON
- B. Parquet
- C. ORC
- D. CSV and any other delimited formats

Answer: ABD

True or False: Snowflake supports federated authentication in all editions.

- A. True
- B. False

Answer:

A

Which of the following are use cases that fit well in Snowflake?

Choose 3 answers

- A. Data Lake
- B. Enterprise Data Warehouse
- C. Online Transaction Processing
- D. Datamart Consolidation

Answer: ABD

True or False: It is possible to unload structured data to semi-structured formats such as JSON and Parquet.

- A. True
- B. False

Answer:

A

True or False: When you create a custom role, it is a best practice to immediately grant that role to ACCOUNTADMIN.

- A. True
- B. False

Answer: B

Snowflake provides a mechanism for its customers to override its natural clustering algorithms. This method is:
Select one.

- A. Micro-partitions**
- B. Clustering keys**
- C. Key partitions**

D. Clustered partitions

Answer: B

True or False: A Snowflake account is charged for data stored in both Internal and External Stages.

A. True

B. False

Answer:

B

What are the two ways to create and manage Data Shares in Snowflake?

Choose 2 answers

A. Via the Snowflake Web Interface (UI)

B. Via the DATA_SHARE=TRUE parameter

C. Via SQL commands

D. Via Virtual Warehouses

Answer: AC

What is the lowest Snowflake edition that offers Time Travel up to 90 days?

Select one.

A. Standard Edition

B. Premier Edition

C. Enterprise Edition

D. Business Critical Edition

Answer: C

True or False: Snowflake enforces unique, primary key, and foreign key constraints during DML operations.

A. True

B. False

Answer:

B

True or False: Query ID's are unique across all Snowflake deployments and can be used in communication with Snowflake Support to help troubleshoot issues.

A. True

B. False

Answer:

A

True or False: Snowflake's Global Services Layer gathers and maintains statistics on all columns in all micro-partitions.

A. True

B. False
Answer: A

Which type of table corresponds to a single Snowflake session?
Select one.

- A. Temporary
- B. Transient
- C. Provisional
- D. Permanent

Answer: A

True or False: Data in fail-safe can be deleted by a user or the Snowflake team before it expires.

- A. True
- B. False

Answer:

B

True or False: Every query should be expected to execute faster on a larger Virtual Warehouse than on a smaller Virtual Warehouse.

- A. True
- B. False

Answer:

B

Which of the following are valid approaches to loading data into a Snowflake table? Select all the below that apply.

- A. Bulk copy from an External Stage
- B. Continuous load using Snowpipe REST API
- C. The Snowflake Web Interface (UI) data loading wizard
- D. Bulk copy from an Internal Stage

Answer: ABC

D

When scaling out by adding clusters to a multi-cluster warehouse, you are primarily scaling for improved:

Select one.

- A. Concurrency
- B. Performance

Answer: A

Increasing the size of a Virtual Warehouse from an X-Small to an X-Large is an example of:
Select one.

- A. Scaling rhythmically
- B. Scaling max
- C. Scaling out
- D. Scaling up

Answer: D

Which statement best describes Snowflake tables?

Select one.

- A. Snowflake tables are logical representations of underlying physical data
- B. Snowflake tables are the physical instantiation of data loaded into Snowflake
- C. Snowflake tables require that clustering keys be defined to perform optimally
- D. Snowflake tables are owned by a user

Answer: A

True or False: When a data share is established between a Data Provider and a Data Consumer, the Data Consumer can extend that data share to other Data Consumers.

- A. True
- B. False

Answer:

B

Which of the following statements is true of Snowflake?

Select one.

- A. It was built specifically for the cloud
- B. It was built as an on-premises solution and then ported to the cloud
- C. It was designed as a hybrid database to allow customers to store data either on premises or in the cloud
- D. It was built for Hadoop architecture
- E. It's based on an Oracle Architecture

Answer: A

True or False: When a data share is established between a Data Provider and a Data Consumer, the Data Consumer can extend that data share to other Data Consumers.

- A. True
- B. False

Answer:

A



Snowflake supports External Stages against which Cloud Platforms?

Choose 3 answers

- A. Amazon Web Services (AWS)
- B. Docker
- C. IBM Cloud
- D. Microsoft Azure
- E. Google Cloud Platform
- F. Oracle Cloud

Answer: ADE

What services does Snowflake automatically provide for customers that they may have been responsible for with their on-premise system? Select all the below that apply.

- A. Installing and configuring hardware
- B. Patching software
- C. Physical security
- D. Maintaining metadata and statistics

Answer: ABCD

True or False: It is possible for a user to run a query against the query result cache without requiring an active Warehouse.

A. True

B. False

Answer: A

Which Snowflake object enables loading data from files as soon as they are available in a cloud storage location?

Select one.

- A. Pipe
- B. External Stage
- C. File Format
- D. VARIANT

Answer: A

True or False: A Virtual Warehouse can only be resized while suspended.

- A. True
- B. False

Answer:

B

What privileges are required to create a task?

- A. The GLOBAL privilege CREATE TASK is required to create a new task.
- B. Tasks are created at the Application level and can only be created by the Account Admin role.
- C. Many Snowflake DDLs are metadata operations only, and CREATE TASK DDL can be executed without virtual warehouse requirement or t; specific grants.
- D. The role must have access to the target schema and the CREATE TASK privilege on the schema itself.

Answer: C

Which of the following statements is true of data loading?

Select one.

- A. Resizing the Virtual Warehouse from X-Small to Small will process a single file twice as fast
- B. The ideal file size for loading is 16MB to match micro-partition size
- C. Many files in the 10-100MB range tend to land in the "sweet spot" for load parallelism
- D. Once loaded, there is no option to force a reload of an already loaded file

Answer: C

Question

True or False: The COPY command must specify a File Format in order to execute.

- A. True
- B. False

Answer: B

Question

True or False: It is possible to query data from an Internal or named External stage without loading the data into Snowflake.

A. True

B. False

Answer: A

Question

On which of the following cloud platforms can a Snowflake account be hosted?

Choose 2 answers

- A. Amazon web Services
- B. Private Virtual Cloud
- C. Grade Cloud
- D. Microsoft Azure Cloud

Answer: AD

Question

A client uses a PUT command to upload a new file to an Internal Stage. At which point is the data encrypted?

Select one.

- A. When it reaches the virtual warehouse
- B. When it gets micro-partitioned and stored in Cloud Storage
- C. On the client's machine before being sent
- D. Clients must encrypt files before sending to Snowflake

Answer: D

Question

Snowflake is designed for which type of workloads?

Choose 2 answers

- A. OLAP (Analytics) workloads
- B. OLTP (Transactional) workloads
- C. Concurrent workloads
- D. On-premise workloads

Answer: AC

Question

Which of the following are valid Snowflake Virtual Warehouse Scaling Policies?

Choose 2 answers

- A. Custom
- B. Economy
- C. Optimized
- D. Standard

Answer: BD

Question

On which of the following cloud platforms can a Snowflake account be hosted?

Choose 2 answers

- A. Amazon Web Services
- B. Private Virtual Cloud
- C. Oracle Cloud
- D. Microsoft Azure Cloud

Answer:AD

Question

The PUT command:

Choose 2 answers

- A. Automatically creates a File Format object
- B. Automatically uses the last Stage created

- C. Automatically compresses files using Gzip**
 - D. Automatically encrypts files**
- Answer: CD**

Question

True or False: Loading data into Snowflake requires that source data files be no larger than 16MB.

- A. True**
- B. False**

Answer:

B

Question

Which of the following are valid approaches to loading data into a Snowflake table? Select all the below that apply.

- A. Bulk copy from an External Stage**
- B. Continuous load using Snowpipe REST API**
- C. The Snowflake Web Interface (UI) data loading wizard**
- D. Bulk copy from an Internal Stage**

Answer: ABCD

Question

. Which of the following statements are true of Snowflake releases:

Choose 2 answers

- A. They happen approximately weekly**
- B. They roll up and release approximately monthly, but customers can request early release application**
- C. During a release, new customer requests/queries/connections transparently moveover to the newer version**
- D. A customer is assigned a 30 minute window (that can be moved anytime within a week) during which the system will be unavailable and the customer is upgraded**

Answer: AC

Question

Which of the following statements are true of VALIDATION_MODE in Snowflake?

Choose 2 answers

- A. The VALIDATION_MODE option is used when creating an Internal Stage**
- B. VALIDATION_MODE=RETURN_ALL_ERRORS is a parameter of the COPY command**
- C. The VALIDATION_MODE option will validate data to be loaded by the COPY statement while completing the load and will return the rows that could not be loaded without error**
- D. The VALIDATION_MODE option will validate data to be loaded by the COPY statement without completing the load and will return possible errors**

Answer: CD

Question

Which of the following statements are true of Snowflake data loading?

Choose 3 answers

- A. VARIANT "null" values are not the same as SQL NULL values**
- B. It is recommended to do frequent, single row DMLs**
- C. It is recommended to validate the data before loading into the Snowflake target table**

D. It is recommended to use staging tables to manage MERGE statements
Answer: ACD

Question

True or False: An active warehouse is required to run a COPY INTO statement.

- A. True
- B. False

Answer:A

Question

What privileges are required to execute a task?

- A. To execute a task, you need the EXECUTE TASK.
- B. A task is an account-level object and can only be executed by the Account Adminrole.
- C. Tasks run automatically and do run under any role.
- D. Tasks are stored in a special database called the utility database and require EXECUTE TASK -privilege in the utility database.

Answer:A

Question

A role is created and owns 2 tables. This role is then dropped. Who will now own the two

Select one.

- B. The user that deleted the role
 - C. SYSADMIN
 - D. The assumed role that dropped the role
- ANSWER: C

Question

True or False: When a data share is established between a Data Provider and a Data Consumer, the Data Consumer can extend that data share to other Data Consumers.

- A. True
- B. False

Answer:

B

Question

Snowflake collects which of the following metadata on each of its micro partitions? Select all the below that apply.

- A. Range of values
- B. Number of distinct values
- C. MIN/MAX values
- D. NULL count

Answer: ABC

The Snowflake Pro Core examination took place on 23/10/2021.
Medium hard when compared to Mock test.
I scored 921 out of 1000.
I completed the exam in 45 Min.
These are my questions.

- 1 Which interfaces can be used to create and/or manage Virtual Warehouses?

The Snowflake Web Interface (UI)

SQL commands

Data integration tools

All of the Above

Answer: D

- 2 Which of the following DML commands isn't supported by Snowflake? Select one.

UPSERT

MERGE

UPDATE

TRUNCATE TABLE

A

3 Account-level storage usage can be monitored via: Select one.

The Snowflake Web Interface (UI) in the Databases section.

The Snowflake Web Interface (UI) in the Account -> Billing & Usage section

The Information Schema -> ACCOUNT_USAGE_HISTORY View

The Account Usage Schema -> ACCOUNT_USAGE_METRICS

View Answer: B

- 4 Which statement best describes Snowflake tables?
Select one.

Snowflake tables are logical representations of underlying physical data

Snowflake tables are the physical instantiation of data loaded into Snowflake

Snowflake tables require that clustering keys be defined to perform optimally

Snowflake tables are owned by a user

Answer: A

- 5 True or False: Fail-safe can be disabled within a Snowflake account.

TRUE

FALSE

Answer: B

- 6 True or False: Data Consumers must execute the SHARE REFRESH; command in order to view new or modified data in shared objects.

TRUE

FALSE

Answer: B

- 7 Which of the following statements about Data Sharing is true? Select one.

Accounts can share with other accounts regardless of Snowflake edition, without requiring help from Snowflake support (e.g. Enterprise, Business Critical Edition)

Data sharing can cross regions, but not cloud providers

The Data Consumer can only see objects in the Data Provider's source database that have been explicitly added to the Share

A Data Provider can only share with other Snowflake customers

Answer: A

- 8 True or False: All Snowflake table types include fail-safe storage.

TRUE

False

Answer: B

- 9 True or False: Loading data via the COPY command only allows error handling on a per- file basis—all files are loaded in their entirety or marked as error, there are no partial loads.

TRUE

False

Answer: B

- 10 What is the minimum Snowflake edition that provides data sharing? Select one.

Standard

Premier

Enterprise

Business Critical Edition

Answer: A

- 11 To run a multi-cluster Warehouse in maximized mode, a user would: Select one.

Configure the Maximum Clusters setting to "Maximum"

Manually turn on the additional clusters after starting the Warehouse

Set the Minimum Clusters and Maximum Clusters settings to the same value

Set the Minimum Clusters and Maximum Clusters settings to the different values

Answer: C

- 12 Each incremental increase in Virtual Warehouse size (e.g. Medium to Large) generally results in what?

Select one.

More micro-partitions

Better query scheduling

Double the numbers of servers in the compute cluster

Higher storage costs

Answer: C

- 13 True or False: When Snowflake is configured to use Single Sign-On (SSO), Snowflake receives the usernames and credentials from the SSO service and loads them into the customer's Snowflake account.

TRUE

False

B

- 14 What happens when a Data Provider revokes privileges to a Share on an object in their source database?

Select one.

The object immediately becomes unavailable for all Data Consumers

Any additional data arriving after this point in time will not be visible to Data Consumers

The Data Consumers stop seeing data updates and become responsible for storage charges for the object

A static copy of the object at the time the privilege was revoked is created in the Data Consumers' accounts

Answer: A

15 What is the most granular object that the Time Travel retention period can be defined on? Select one.

Account

Database

Schema

Table

Answer: D

16 When a Pipe is recreated using the CREATE OR REPLACE PIPE command: Select one.

The Pipe load history is reset to empty

The REFRESH parameter is set to TRUE

Previously loaded files will be ignored

All of the above

Answer: A

17 A Virtual Warehouse's auto-suspend and auto-resume settings apply to: Select one.

The primary cluster in the Virtual Warehouse

The entire Virtual Warehouse

The database the Virtual Warehouse resides in

The queries currently being run by the Virtual Warehouse Answer: B

- 18 To run a Multi-Cluster Warehouse in auto-scale mode, a user would:

Select one.

Configure the Maximum Clusters setting to "Auto-Scale"

Set the Warehouse type to "Auto"

Set the Minimum Clusters and Maximum Clusters settings to the same value

Set the Minimum Clusters and Maximum Clusters settings to the different values

Answer: D

- 19 A deterministic query is run at 8am, takes 5 minutes, and the results are cached. Which of the following statements are true?

Choose 2 answers

The exact query will ALWAYS return the precomputed result set for the RESULT_CACHE_ACTIVE = time period

The same exact query will return the precomputed results if the underlying data hasn't changed and the results were last accessed within the previous 24 hour period

The same exact query will return the precomputed results even if the underlying data has changed as long as the results were last accessed within the previous 24 hour period

The "24 hour" timer on the precomputed results gets renewed every time the exact query is executed

Answer: BD

- 20 How would you best determine the size of the virtual warehouse used for a task?

Root task may be executed concurrently (i.e. multiple instances), it is recommended to leave some margins in the execution window to avoid missing instances of execution

Querying (SELECT) the size of the stream content would help determine the warehouse size. For example, if querying large stream content, use a larger warehouse size.

If using the stored procedure to execute multiple SQL statements, it's best to test run the stored procedure separately to size the compute resource first.

Since task infrastructure is based on running the task body on schedule, it's recommended to configure the virtual warehouse for automatic concurrency handling using Multi-duster warehouse (MCW) to match the task schedule.

Answer: D

- 21 True or False: The following command will fail: GRANT SELECT, INSERT, UPDATE, DELETE ON MYTABLE TO USER JOHN;

TRUE

False

Answer: A

22 True or False: Reader Accounts incur no additional Storage costs to the Data Provider since they are simply reading the shared data without making changes.

TRUE

False

Answer:A

23 Which of the following are true of multi-cluster Warehouses? Select all that apply below.

A multi-cluster Warehouse can add clusters automatically based on query activity

A multi-cluster Warehouse can automatically turn itself off after a period of inactivity

A multi-cluster Warehouse can scale down when query activity slows

A multi-cluster Warehouse can automatically turn itself on when a query is executed against it

Answer: ABCD

24 True or False: When active, a Pipe requires a dedicated Virtual Warehouse to execute.

TRUE

False

Answer: B

25 True or False: The PUT command can be run through the Snowflake Web Interface (UI).

TRUE

False

Answer: B

- 26 True or False: Users are able to see the result sets of queries executed by other users that share their same role.

TRUE

FALSE

Answer: B

- 27 True or False: You can query the files in an External Stage directly without having to load the data into a table.

TRUE

False

Answer: A

- 28 When can a Virtual Warehouse start running queries? Select one.

12am-5am

Only during administrator defined time slots

When its provisioning is complete

After replication

Answer: C

29 As a best practice, clustering keys should only be defined on tables of which minimum size?

Select one.

Multi-Kilobyte (KB) Range

Multi-Megabyte (MB) Range

Multi-Gigabyte (GB) Range

Multi-Terabyte (TB) Range

Answer: D

30 Which item in the Data Warehouse migration process does not apply in Snowflake? Select one.

Migrate Users

Migrate Schemas

Migrate Indexes

Build the Data Pipeline

Answer: C

31 What would you do to execute a series of tasks that run in sequence and are dependent on the previous task execution?

Create a series of tasks based on a series of schedules.
Example Create one task that runs every 1 minutes, and a following task that runs every 2 minutes and so on:
CREATE TASK task1 .. SCHEDULE = '1 minute' CREATE
TASK task2 ... SCHEDULE = '2 minute'

When creating a task, indicate a predecessor task that it should run after. In this way, you can string together a number of tasks, all dependent on one task or each other.

Create a stored procedure for each task: CREATE PROCEDURE my_task1_spl()... CREATE PROCEDURE my_task2_sp2(); Then create a simple tree by specifying the stored procedure my_task_spl as the predecessor that triggers the new task my_task2 when run successfully CREATE TASK my_task2 WAREHOUSE = mywh AFTER my_task1_spl AS ...

This is currently not possible using Snowflake.

Answer: B

32 Which statements are true of micro-partitions? Choose 2 answers

They are approximately 16MB in size

They are stored compressed only if COMPRESS=TRUE on Table

They are immutable

They are only encrypted in the Enterprise edition and above

Answer: AC

33 What is the maximum compressed row size in Snowflake? Select one.

8KB

16MB

50MB

4000GB

Answer: B

- 34 Which of the following statements are true of Snowflake releases: Choose 2 answers

They happen approximately weekly

They roll up and release approximately monthly, but customers can request early release application

During a release, new customer requests/queries/connections transparently move over to the newer version

A customer is assigned a 30 minute window (that can be moved anytime within a week) during which the system will be unavailable and the customer is upgraded

Answer: AC

- 35 Which of the following commands are not blocking operations? Choose 2 answers

UPDATE

INSERT

MERGE

COPY

Answer: BD

- 36 True or False: Snowpipe via REST API can only reference External Stages as source.

TRUE

False

Answer: B

- 37 Which of the following terms best describes Snowflake's database architecture? Select one.

Columnar shared nothing

Shared disk

Multi-cluster, shared data

Cloud-native shared memory

Answer: C

- 38 Which of the following roles is recommended to be used to create and manage users and roles?

Select one.

SYSADMIN

SECURITYADMIN

PUBLIC

ACCOUNTADMIN

Answer: B

- 39 True or False: Every object is owned by one and only one role; therefore a user must be using that role to access the object.

TRUE

FALSE

Answer: B

- 40 Which of the following is an example of an operation that can be completed without requiring Compute, assuming no queries have been executed previously? Select one.

SELECT SUM(ORDER_AMT) FROM SALES;

SELECT AVG(ORDER_QTY) FROM SALES;

SELECT MIN(ORDER_AMT) FROM SALES;

SELECT ORDER_AMT * ORDER_QTY FROM SALES;

Answer: C

- 41 Which of the following commands sets the Virtual Warehouse for a session? Select one.

COPY WAREHOUSE FROM <<config file>>;

SET WAREHOUSE = <<warehouse name>>;

USE WAREHOUSE <<warehouse name>>;

USE VIRTUAL_WAREHOUSE <<warehouse name>>;

Answer: C

- 42 Which of the following statements is true of Snowflake micro-partitioning? Select one.

Micro-partitioning has been known to introduce data skew

Micro-partitioning: requires a partitioning schema to be defined up front

Micro-partitioning is transparently completed using the ordering that occurs when the data is inserted/loaded

Micro-partitioning can be disabled within a Snowflake account Answer: C

- 43 True or False: During data unloading, only JSON and CSV files can be compressed.

TRUE

False

Answer: B

- 44 The number of queries that a Virtual Warehouse can concurrently process is determined by:

Choose 2 answers

The complexity of each query

The `CONCURRENT_QUERY_LIMIT` parameter set on the Snowflake account

The size of the data required for each query

The tool that is executing the query

Answer: AC

- 45 True or False: You can define multiple columns within a clustering key on a table.

TRUE

False

Answer: A

- 46 True or False: A 4X-Large Warehouse may, at times, take longer to provision than a X-Small Warehouse.

TRUE

False

Answer: A

- 47 How would you execute a series of SQL statements using Task?

Include the SQL statements in the body of the task
CREATE TASK mytask .. AS INSERT INTO target1 SELECT ..
FROM stream_sl WHERE ..INSERT INTO
target? SELECT .. FROM stream_sl WHERE ..

A stored procedure can have only one DML statement per stored procedure invocation and therefore you should sequence stored procedures calls in the task definition CREATE TASK mytask

AS call stored_procl();
call stored_proc2();

A stored procedure executing multiple SQL statements and invoke the stored procedure from the task. CREATE TASK mytask

AS call

stored_proc_multiple_statements_inside();

Create a task for each SQL statement (e.g. resulting in task1, task2, etc) and string the series of SQL statements by having a control task calling task 1, task 2 sequentially.

Answer: C

48 Which of the following statements would be used to export/unload data from Snowflake? Select one.

COPY INTO @stage

EXPORT TO @stage

INSERT INTO @stage

EXPORT_TO_STAGE(stage => @stage, select => 'select * from tl');

Answer: A

49 What is the best approach for loading data into Snowflake? Select one.

Merge files into one big file

Many big files and a big Virtual Warehouse size

Many small files with a high level of parallelism

Few files and a big Virtual Warehouse size

Answer: C

50 When a Pipe is recreated using the CREATE OR REPLACE PIPE command: Select one.

The Pipe load history is reset to empty

The REFRESH parameter is set to TRUE

Previously loaded files will be ignored

All of the above

Answer: A

51 Which of the following languages can be used to implement Snowflake User Defined Functions (UDFs)?

Choose 2 answers

Java

Javascript

SQL

Python

Answer: BC

52 Which of the following statements are true? Choose 3 answers

The COPY command must reference a Stage or cloud storage location

A named File Format is optional when using the COPY command

A File format option used in the COPY command will override the one in Stage

A File Format object must be defined when creating a Stage

Answer: ABC

53 True or False: A single schema can exist in more than one database.

TRUE

FALSE

ANSWER:B

- 54 Which is true of Snowflake network policies? A Snowflake network policy: CHOOSE 2 ANSWERS

Is available to all Snowflake Editions

Is only available to customers with Business Critical Edition

Restricts or enables access to specific IP addresses

Is activated using an "ALTER DATABASE" command.

ANSWER:AC

- 55 True or False: Bulk unloading of data from Snowflake supports the use of a SELECT statement.

TRUE

FALSE

ANSWER:A

- 56 True or False: When a new Snowflake object is created, it is automatically owned by the user who created it.

TRUE

FALSE

ANSWER:B

57 When scaling up Virtual Warehouses by increasing Virtual Warehouse t-shirt size, you are primarily scaling for improved:

SELECT ONE.

Concurrency

Performance

ANSWER:B

58 Which of the following statements is true of zero-copy cloning? SELECT ONE.

Zero-copy clones increase storage costs as cloning the table requires storing its data twice

All zero-copy clone objects inherit the privileges of their original objects

Zero-copy cloning is licensed as an additional Snowflake feature

At the instance/instant a clone is created, all micro- partitions in the original table and the clone are fully shared

ANSWER:D

59 Which of the following are common use cases for zero-copy cloning? CHOOSE 3 ANSWERS

Quick provisioning of Dev and Test/QA environments

Data backups

Point in time snapshots

Performance optimization

ANSWER:ABC

60 True or False: A single database can exist in more than one Snowflake account.

TRUE

FALSE

ANSWER:B

61 True or False: Reader Accounts are able to extract data from shared data objects for use outside of Snowflake.

TRUE

FALSE

ANSWER:B

62 True or False: ACCOUNTADMINs are able to see the result sets of queries executed by all users within a Snowflake account.

TRUE

FALSE

ANSWER:B

63 True or False: Multi-Factor Authentication (MFA) is available only to customers with Enterprise edition and above.

TRUE

FALSE

ANSWER:B

64 What is the minimum Snowflake edition that provides data sharing? Select one.

Standard

Premier

Enterprise

Business Critical Edition

ANSWER:A

65 True or False: When a user creates a role, they are initially assigned ownership of the role and they maintain ownership until it is transferred to another user.

TRUE

False

ANSWER:B

66 True or False: An active warehouse is required to run a COPY INTO statement.

TRUE

FALSE

ANSWER:A

67 How are Snowpipe charges calculated? Select one.

Per-second/per Warehouse size

Per-second/per-core granularity

Number of Pipes in account

Total storage bucket size

Answer: B

68 Which are true of Snowflake roles? Choose 2 answers

All grants to objects are given to roles, and never to users

In order to do DML/DDL, a user needs to have selected a single role that has that specific access to the object and operation

The PUBLIC role controls all other roles

Roles are a subset of users and users own objects in Snowflake

Answer: AB

69 True or False: Snowflake allows its customers to directly access the micro-partition files that make up its tables.

TRUE

False

Answer: B

70 Credit Consumption by the Compute Layer (Virtual Warehouses) is based on: Choose 2 answers

Number of users

Warehouse size

Amount of data processed

of clusters for the Warehouse

Answer: BD

71 What is the recommended method for loading data into Snowflake? Select one.

Load row by row

Load data in batch

Load data by writing it in the Snowflake Web Interface (UI)

Load data via frequent, single row DML's

Answer: B

72 Which of the following are best practices for users with the SYSADMIN/ACCOUNTADMIN roles?

Choose 3 answers

Their default role should be set to SYSADMIN (the lower of the two)

They should not set up Multi-Factor Authentication (MFA)-as administrators they may need to change the MFA settings and those enrolled in MFA are unable to do so

They should only access and 'step into' the ACCOUNTADMIN role temporarily, as needed to complete a specific operation

They should ensure all database objects in the account are owned by the ACCOUNTADMIN role

They should use the SYSADMIN role to perform administrative work on database objects

Answer: ACE

- 73 True or False: AWS Private Link provides a secure connection from the Customer's on- premise data center to the Snowflake Virtual Private Cloud (VPC).

TRUE

False

Answer: B

- 74 True or False: The COPY command supports regular expressions to filter the population of files to be loaded.

TRUE

False

Answer: A

- 75 What is the minimum duration charged when starting a virtual warehouse? Select one.

1 second

1 minute

1 hour

1 day

Answer: B

76 Which of the following statements is true of data loading?
Select one.

Resizing the Virtual Warehouse from X-Small to Small
will process a single file twice as fast

The ideal file size for loading is 16MB to match micro-
partition size

Many files in the 10-100MB range tend to land in the
"sweet spot" for load parallelism

Once loaded, there is no option to force a reload of an
already loaded file

Answer: C

77 Which of the following are use cases that fit well in
Snowflake? Choose 3 answers

Data Lake

Enterprise Data Warehouse

Online Transaction Processing

Datamart Consolidation

Answer: ABD

78 Snowflake provides a mechanism for its customers to
override its natural clustering algorithms. This method is:

Select one.

Micro-partitions

Clustering keys

Key partitions

Clustered partitions

Answer: B

79 True or False: A Snowflake account is charged for data stored in both Internal and External Stages.

TRUE

False

Answer: B

80 What are the two ways to create and manage Data Shares in Snowflake? Choose 2 answers

Via the Snowflake Web Interface (UI)

Via the DATA_SHARE=TRUE parameter

Via SQL commands

Via Virtual Warehouses

Answer: AC

81 True or False: Snowflake enforces unique, primary key, and foreign key constraints during DML operations.

TRUE

False

Answer: B

82 True or False: Snowflake's Global Services Layer gathers and maintains statistics on all columns in all micro-partitions.

TRUE

False

Answer: A

83 Which of the following are valid approaches to loading data into a Snowflake table? Select all the below that apply.

Bulk copy from an External Stage

Continuous load using Snowpipe REST API

The Snowflake Web Interface (UI) data loading wizard

Bulk copy from an Internal Stage

Answer: ABCD

84 When scaling out by adding clusters to a multi-cluster warehouse, you are primarily scaling for improved:

Select one.

Concurrency

Performance

Answer: A

85 True or False: When a data share is established between a Data Provider and a Data Consumer, the Data Consumer can extend that data share to other Data Consumers.

TRUE

False

Answer: B

86 What services does Snowflake automatically provide for customers that they may have been responsible for with their on-premise system? Select all the below that apply.

Installing and configuring hardware

Patching software

Physical security

Maintaining metadata and statistics

Answer: ABD

87 Which Snowflake object enables loading data from files as soon as they are available in a cloud storage location?

Select one.

Pipe

External Stage

File Format

VARIANT

Answer: A

88 True or False: The COPY command must specify a File Format in order to execute.

TRUE

False

Answer: B

89 True or False: It is possible to query data from an Internal or named External stage without loading the data into Snowflake.

TRUE

False

Answer: A

90 A client uses a PUT command to upload a new file to an Internal Stage. At which point is the data encrypted?

Select one.

When it reaches the virtual warehouse

When it gets micro-partitioned and stored in Cloud Storage

On the client's machine before being sent

Clients must encrypt files before sending to Snowflake

Answer: D

Question

- 91 Snowflake is designed for which type of workloads?
Choose 2 answers
- OLAP (Analytics) workloads
- OLTP (Transactional) workloads
- Concurrent workloads
- On-premise workloads
- Answer: AC
- 92 Tableau and looker are which type
- Business Intelligence
- 93 What are the below that supports data science tools??
- Data Robot
- 94 Data Replication reg question
- 95 Data Market place question reg how can we req access to data from other publisher
- 96 what are the type accounts involved in a share??
- Reader/Consumer/Provider