



ARA-C01^{Q&As}

SnowPro Advanced: Architect Certification Exam

Pass Snowflake ARA-C01 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass4itsure.com/ara-c01.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Snowflake
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



**QUESTION 1**

When using the Snowflake Connector for Kafka, what data formats are supported for the messages? (Choose two.)

- A. CSV
- B. XML
- C. Avro
- D. JSON
- E. Parquet

Correct Answer: CD

Explanation: The data formats that are supported for the messages when using the Snowflake Connector for Kafka are Avro and JSON. These are the two formats that the connector can parse and convert into Snowflake table rows. The connector supports both schemaless and schematized JSON, as well as Avro with or without a schema registry¹. The other options are incorrect because they are not supported data formats for the messages. CSV, XML, and Parquet are not formats that the connector can parse and convert into Snowflake table rows. If the messages are in these formats, the connector will load them as VARIANT data type and store them as raw strings in the table². References: Snowflake Connector for Kafka | Snowflake Documentation, Loading Protobuf Data using the Snowflake Connector for Kafka | Snowflake Documentation

QUESTION 2

A company's daily Snowflake workload consists of a huge number of concurrent queries triggered between 9pm and 11pm. At the individual level, these queries are smaller statements that get completed within a short time period.

What configuration can the company's Architect implement to enhance the performance of this workload? (Choose two.)

- A. Enable a multi-clustered virtual warehouse in maximized mode during the workload duration.
- B. Set the MAX_CONCURRENCY_LEVEL to a higher value than its default value of 8 at the virtual warehouse level.
- C. Increase the size of the virtual warehouse to size X-Large.
- D. Reduce the amount of data that is being processed through this workload.
- E. Set the connection timeout to a higher value than its default.

Correct Answer: AB

Explanation: These two configuration options can enhance the performance of the workload that consists of a huge number of concurrent queries that are smaller and faster. Enabling a multi-clustered virtual warehouse in maximized mode allows the warehouse to scale out automatically by adding more clusters as soon as the current cluster is fully loaded, regardless of the number of queries in the queue. This can improve the concurrency and throughput of the workload by minimizing or preventing queuing. The maximized mode is suitable for workloads that require high performance and low latency, and are less sensitive to credit consumption¹. Setting the MAX_CONCURRENCY_LEVEL to a higher value than its default value of 8 at the virtual warehouse level allows the warehouse to run more queries concurrently on each cluster. This can improve the utilization and efficiency of the



warehouse resources, especially for smaller and faster queries that do not require a lot of processing power. The MAX_CONCURRENCY_LEVEL parameter can be set when creating or modifying a warehouse, and it can be changed at any time². References: Snowflake Documentation: Scaling Policy for Multi-cluster Warehouses Snowflake Documentation: MAX_CONCURRENCY_LEVEL

QUESTION 3

There are two databases in an account, named fin_db and hr_db which contain payroll and employee data, respectively. Accountants and Analysts in the company require different permissions on the objects in these databases to perform their jobs. Accountants need read-write access to fin_db but only require read-only access to hr_db because the database is maintained by human resources personnel.

An Architect needs to create a read-only role for certain employees working in the human resources department.

Which permission sets must be granted to this role?

- A. USAGE on database hr_db, USAGE on all schemas in database hr_db, SELECT on all tables in database hr_db
- B. USAGE on database hr_db, SELECT on all schemas in database hr_db, SELECT on all tables in database hr_db
- C. MODIFY on database hr_db, USAGE on all schemas in database hr_db, USAGE on all tables in database hr_db
- D. USAGE on database hr_db, USAGE on all schemas in database hr_db, REFERENCES on all tables in database hr_db

Correct Answer: A

To create a read-only role for certain employees working in the human resources department, the role needs to have the following permissions on the hr_db database: Option A is the correct answer because it grants the minimum permissions required for a read-only role on the hr_db database. Option B is incorrect because SELECT on schemas is not a valid permission. Schemas only support USAGE and CREATE permissions. Option C is incorrect because MODIFY on the database is not a valid permission. Databases only support USAGE, CREATE, MONITOR, and OWNERSHIP permissions. Moreover, USAGE on tables is not sufficient for querying the data. Tables support SELECT, INSERT, UPDATE, DELETE, TRUNCATE, REFERENCES, and OWNERSHIP permissions. Option D is incorrect because REFERENCES on tables is not relevant for querying the data. REFERENCES permission allows the role to create foreign key constraints on the tables. References: : <https://docs.snowflake.com/en/user-guide/security-access-control-privileges.html#database-privileges> : <https://docs.snowflake.com/en/user-guide/security-access-control-privileges.html#schema-privileges> : <https://docs.snowflake.com/en/user-guide/security-access-control-privileges.html#table-privileges>

QUESTION 4

What is a valid object hierarchy when building a Snowflake environment?

- A. Account --> Database --> Schema --> Warehouse
- B. Organization --> Account --> Database --> Schema --> Stage
- C. Account --> Schema > Table --> Stage
- D. Organization --> Account --> Stage --> Table --> View

Correct Answer: B



Explanation: This is the valid object hierarchy when building a Snowflake environment, according to the Snowflake documentation and the web search results. Snowflake is a cloud data platform that supports various types of objects, such as

databases, schemas, tables, views, stages, warehouses, and more. These objects are organized in a hierarchical structure, as follows:

Organization: An organization is the top-level entity that represents a group of Snowflake accounts that are related by business needs or ownership. An organization can have one or more accounts, and can enable features such as cross-account data sharing, billing and usage reporting, and single sign-on across accounts¹².

Account: An account is the primary entity that represents a Snowflake customer. An account can have one or more databases, schemas, stages, warehouses, and other objects. An account can also have one or more users, roles, and security integrations. An account is associated with a specific cloud platform, region, and Snowflake edition³⁴.

Database: A database is a logical grouping of schemas. A database can have one or more schemas, and can store structured, semi-structured, or unstructured data. A database can also have properties such as retention time, encryption, and ownership⁵⁶.

Schema: A schema is a logical grouping of tables, views, stages, and other objects. A schema can have one or more objects, and can define the namespace and access control for the objects. A schema can also have properties such as ownership and default warehouse .

Stage: A stage is a named location that references the files in external or internal storage. A stage can be used to load data into Snowflake tables using the COPY INTO command, or to unload data from Snowflake tables using the COPY INTO LOCATION command. A stage can be created at the account, database, or schema level, and can have properties such as file format, encryption, and credentials .

The other options listed are not valid object hierarchies, because they either omit or misplace some objects in the structure. For example, option A omits the organization level and places the warehouse under the schema level, which is

incorrect. Option C omits the organization, account, and stage levels, and places the table under the schema level, which is incorrect. Option D omits the database level and places the stage and table under the account level, which is incorrect.

References:

Snowflake Documentation: Organizations

Snowflake Blog: Introducing Organizations in Snowflake Snowflake Documentation: Accounts

Snowflake Blog: Understanding Snowflake Account Structures Snowflake Documentation: Databases

Snowflake Blog: How to Create a Database in Snowflake [Snowflake Documentation: Schemas]

[Snowflake Blog: How to Create a Schema in Snowflake] [Snowflake Documentation: Stages]

[Snowflake Blog: How to Use Stages in Snowflake]



QUESTION 5

A company's client application supports multiple authentication methods, and is using Okta.

What is the best practice recommendation for the order of priority when applications authenticate to Snowflake?

- A. 1) OAuth (either Snowflake OAuth or External OAuth) 2) External browser 3) Okta native authentication 4) Key Pair Authentication, mostly used for service account users
- 5) Password
- B. 1) External browser, SSO 2) Key Pair Authentication, mostly used for development environment users 3) Okta native authentication 4) OAuth (either Snowflake OAuth or External OAuth) 5) Password
- C. 1) Okta native authentication 2) Key Pair Authentication, mostly used for production environment users 3) Password 4) OAuth (either Snowflake OAuth or External OAuth) 5) External browser, SSO
- D. 1) Password 2) Key Pair Authentication, mostly used for production environment users 3) Okta native authentication 4) OAuth (either Snowflake OAuth or External OAuth) 5) External browser, SSO

Correct Answer: A

This is the best practice recommendation for the order of priority when applications authenticate to Snowflake, according to the Snowflake documentation and the web search results. Authentication is the process of verifying the identity of a user or application that connects to Snowflake. Snowflake supports multiple authentication methods, each with different advantages and disadvantages. The recommended order of priority is based on the following factors:

Security: The authentication method should provide a high level of security and protection against unauthorized access or data breaches. The authentication method should also support multi-factor authentication (MFA) or single sign-on (SSO) for additional security.

Convenience: The authentication method should provide a smooth and easy user experience, without requiring complex or manual steps. The authentication method should also support seamless integration with external identity providers or applications.

Flexibility: The authentication method should provide a range of options and features to suit different use cases and scenarios. The authentication method should also support customization and configuration to meet specific requirements.

Based on these factors, the recommended order of priority is:

OAuth (either Snowflake OAuth or External OAuth): OAuth is an open standard for authorization that allows applications to access Snowflake resources on behalf of a user, without exposing the user's credentials. OAuth provides a high level of security, convenience, and flexibility, as it supports MFA, SSO, token-based authentication, and various grant types and scopes. OAuth can be implemented using either Snowflake OAuth or External OAuth, depending on the identity provider and the application¹².

External browser: External browser is an authentication method that allows users to log in to Snowflake using a web browser and an external identity provider, such as Okta, Azure AD, or Ping Identity. External browser provides a high level of security and convenience, as it supports MFA, SSO, and federated authentication. External browser also provides a consistent user interface and experience across different platforms and devices³⁴.

Okta native authentication: Okta native authentication is an authentication method that allows users to log in to Snowflake using Okta as the identity provider, without using a web browser. Okta native authentication provides a high level of security and convenience, as it supports MFA, SSO, and federated authentication. Okta native authentication also provides a native user interface and experience for Okta users, and supports various Okta features, such as password policies and user management⁵⁶.

Key Pair Authentication: Key Pair Authentication is an authentication method that allows users to log in to Snowflake using a public-private key pair, without using a password. Key Pair Authentication provides a high level of security, as it relies on asymmetric encryption and digital signatures. Key Pair Authentication also provides a flexible and customizable authentication option, as it supports various key formats, algorithms, and expiration times. Key Pair Authentication is mostly used for service account users, such as applications or scripts that connect to Snowflake programmatically⁷.

Password: Password is the simplest and most basic authentication method that allows users to log in to Snowflake using a username and password. Password provides a low level of security, as it relies on symmetric encryption and is vulnerable to brute force attacks or phishing. Password also provides a low level of convenience and flexibility, as it requires manual input and management, and does not support MFA or SSO. Password is the least recommended authentication method, and



should be used only as a last resort or for testing purposes . References: Snowflake Documentation: Snowflake OAuth Snowflake Documentation: External OAuth Snowflake Documentation: External Browser Authentication Snowflake Blog: How to Use External Browser Authentication with Snowflake Snowflake Documentation: Okta Native Authentication Snowflake Blog: How to Use Okta Native Authentication with Snowflake Snowflake Documentation: Key Pair Authentication [Snowflake Blog: How to Use Key Pair Authentication with Snowflake] [Snowflake Documentation: Password Authentication] [Snowflake Blog: How to Use Password Authentication with Snowflake]

QUESTION 6

A company wants to deploy its Snowflake accounts inside its corporate network with no visibility on the internet. The company is using a VPN infrastructure and Virtual Desktop Infrastructure (VDI) for its Snowflake users. The company also wants to re-use the login credentials set up for the VDI to eliminate redundancy when managing logins.

What Snowflake functionality should be used to meet these requirements? (Choose two.)

- A. Set up replication to allow users to connect from outside the company VPN.
- B. Provision a unique company Tri-Secret Secure key.
- C. Use private connectivity from a cloud provider.
- D. Set up SSO for federated authentication.
- E. Use a proxy Snowflake account outside the VPN, enabling client redirect for user logins.

Correct Answer: CD

Explanation: According to the SnowPro Advanced: Architect documents and learning resources, the Snowflake functionality that should be used to meet these requirements are: Use private connectivity from a cloud provider. This feature allows customers to connect to Snowflake from their own private network without exposing their data to the public Internet. Snowflake integrates with AWS PrivateLink, Azure Private Link, and Google Cloud Private Service Connect to offer private connectivity from customers' VPCs or VNets to Snowflake endpoints. Customers can control how traffic reaches the Snowflake endpoint and avoid the need for proxies or public IP addresses¹²³. Set up SSO for federated authentication. This feature allows customers to use their existing identity provider (IdP) to authenticate users for SSO access to Snowflake. Snowflake supports most SAML 2.0-compliant vendors as an IdP, including Okta, Microsoft AD FS, Google G Suite, Microsoft Azure Active Directory, OneLogin, Ping Identity, and PingOne. By setting up SSO for federated authentication, customers can leverage their existing user credentials and profile information, and provide stronger security than username/password authentication⁴. The other options are incorrect because they do not meet the requirements or are not feasible. Option A is incorrect because setting up replication does not allow users to connect from outside the company VPN. Replication is a feature of Snowflake that enables copying databases across accounts in different regions and cloud platforms. Replication does not affect the connectivity or visibility of the accounts⁵. Option B is incorrect because provisioning a unique company Tri-Secret Secure key does not affect the network or authentication requirements. Tri-Secret Secure is a feature of Snowflake that allows customers to manage their own encryption keys for data at rest in Snowflake, using a combination of three secrets: a master key, a service key, and a security password. Tri-Secret Secure provides an additional layer of security and control over the data encryption and decryption process, but it does not enable private connectivity or SSO⁶. Option E is incorrect because using a proxy Snowflake account outside the VPN, enabling client redirect for user logins, is not a supported or recommended way of meeting the requirements. Client redirect is a feature of Snowflake that allows customers to connect to a different Snowflake account than the one specified in the connection string. This feature is useful for scenarios such as cross-region failover, data sharing, and account migration, but it does not provide private connectivity or SSO⁷. References: AWS PrivateLink and Snowflake | Snowflake Documentation, Azure Private Link and Snowflake | Snowflake Documentation, Google Cloud Private Service Connect and Snowflake | Snowflake Documentation, Overview of Federated Authentication and SSO | Snowflake Documentation, Replicating Databases Across Multiple Accounts | Snowflake Documentation, Tri-Secret Secure | Snowflake Documentation, Redirecting Client Connections | Snowflake Documentation

**QUESTION 7**

Company A would like to share data in Snowflake with Company B. Company B is not on the same cloud platform as Company A.

What is required to allow data sharing between these two companies?

- A. Create a pipeline to write shared data to a cloud storage location in the target cloud provider.
- B. Ensure that all views are persisted, as views cannot be shared across cloud platforms.
- C. Setup data replication to the region and cloud platform where the consumer resides.
- D. Company A and Company B must agree to use a single cloud platform: Data sharing is only possible if the companies share the same cloud provider.

Correct Answer: C

Explanation: According to the SnowPro Advanced: Architect documents and learning resources, the requirement to allow data sharing between two companies that are not on the same cloud platform is to set up data replication to the region and cloud platform where the consumer resides. Data replication is a feature of Snowflake that enables copying databases across accounts in different regions and cloud platforms. Data replication allows data providers to securely share data with data consumers across different regions and cloud platforms by creating a replica database in the consumer's account. The replica database is read-only and automatically synchronized with the primary database in the provider's account. Data replication is useful for scenarios where data sharing is not possible or desirable due to latency, compliance, or security reasons¹. The other options are incorrect because they are not required or feasible to allow data sharing between two companies that are not on the same cloud platform. Option A is incorrect because creating a pipeline to write shared data to a cloud storage location in the target cloud provider is not a secure or efficient way of sharing data. It would require additional steps to load the data from the cloud storage to the consumer's account, and it would not leverage the benefits of Snowflake's data sharing features. Option B is incorrect because ensuring that all views are persisted is not relevant for data sharing across cloud platforms. Views can be shared across cloud platforms as long as they reference objects in the same database. Persisting views is an option to improve the performance of querying views, but it is not required for data sharing². Option D is incorrect because Company A and Company B do not need to agree to use a single cloud platform. Data sharing is possible across different cloud platforms using data replication or other methods, such as listings or auto- fulfillment³. References: ReplicatingDatabases Across Multiple Accounts | Snowflake Documentation, Persisting Views | Snowflake Documentation, Sharing Data Across Regions and Cloud Platforms | Snowflake Documentation

QUESTION 8

Which security, governance, and data protection features require, at a MINIMUM, the Business Critical edition of Snowflake? (Choose two.)

- A. Extended Time Travel (up to 90 days)
- B. Customer-managed encryption keys through Tri-Secret Secure
- C. Periodic rekeying of encrypted data
- D. AWS, Azure, or Google Cloud private connectivity to Snowflake
- E. Federated authentication and SSO



Correct Answer: BD

Explanation: According to the SnowPro Advanced: Architect documents and learning resources, the security, governance, and data protection features that require, at a minimum, the Business Critical edition of Snowflake are: Customer-managed encryption keys through Tri-Secret Secure. This feature allows customers to manage their own encryption keys for data at rest in Snowflake, using a combination of three secrets: a master key, a service key, and a security password. This provides an additional layer of security and control over the data encryption and decryption process¹. Periodic rekeying of encrypted data. This feature allows customers to periodically rotate the encryption keys for data at rest in Snowflake, using either Snowflake- managed keys or customer-managed keys. This enhances the security and protection of the data by reducing the risk of key compromise or exposure². The other options are incorrect because they do not require the Business Critical edition of Snowflake. Option A is incorrect because extended Time Travel (up to 90 days) is available with the Enterprise edition of Snowflake³. Option D is incorrect because AWS, Azure, or Google Cloud private connectivity to Snowflake is available with the Standard edition of Snowflake⁴. Option E is incorrect because federated authentication and SSO are available with the Standard edition of Snowflake⁵. References: Tri-Secret Secure | Snowflake Documentation, Periodic Rekeying of Encrypted Data | Snowflake Documentation, Snowflake Editions | Snowflake Documentation, Snowflake Network Policies | Snowflake Documentation, Configuring Federated Authentication and SSO | Snowflake Documentation

QUESTION 9

A company has a Snowflake account named ACCOUNTA in AWS us-east-1 region. The company stores its marketing data in a Snowflake database named MARKET_DB. One of the company's business partners has an account named PARTNERB in Azure East US 2 region. For marketing purposes the company has agreed to share the database MARKET_DB with the partner account.

Which of the following steps MUST be performed for the account PARTNERB to consume data from the MARKET_DB database?

- A. Create a new account (called AZABC123) in Azure East US 2 region. From account ACCOUNTA create a share of database MARKET_DB, create a new database out of this share locally in AWS us-east-1 region, and replicate this new database to AZABC123 account. Then set up data sharing to the PARTNERB account.
- B. From account ACCOUNTA create a share of database MARKET_DB, and create a new database out of this share locally in AWS us-east-1 region. Then make this database the provider and share it with the PARTNERB account.
- C. Create a new account (called AZABC123) in Azure East US 2 region. From account ACCOUNTA replicate the database MARKET_DB to AZABC123 and from this account set up the data sharing to the PARTNERB account.
- D. Create a share of database MARKET_DB, and create a new database out of this share locally in AWS us-east-1 region. Then replicate this database to the partner's account PARTNERB.

Correct Answer: C

Snowflake supports data sharing across regions and cloud platforms using account replication and share replication features. Account replication enables the replication of objects from a source account to one or more target accounts in the same organization. Share replication enables the replication of shares from a source account to one or more target accounts in the same organization¹. To share data from the MARKET_DB database in the ACCOUNTA account in AWS useast-1 region with the PARTNERB account in Azure East US 2 region, the following steps must be performed: Therefore, option C is the correct answer. References: : Replicating Shares Across Regions and Cloud Platforms : Working with Organizations and Accounts : Replicating Databases Across Multiple Accounts : Replicating Shares Across Multiple Accounts

QUESTION 10



An Architect has chosen to separate their Snowflake Production and QA environments using two separate Snowflake accounts.

The QA account is intended to run and test changes on data and database objects before pushing those changes to the Production account. It is a requirement that all database objects and data in the QA account need to be an exact copy of the database objects, including privileges and data in the Production account on at least a nightly basis.

Which is the LEAST complex approach to use to populate the QA account with the Production account's data and database objects on a nightly basis?

- A. 1) Create a share in the Production account for each database 2) Share access to the QA account as a Consumer 3) The QA account creates a database directly from each share 4) Create clones of those databases on a nightly basis 5) Run tests directly on those cloned databases
- B. 1) Create a stage in the Production account 2) Create a stage in the QA account that points to the same external object-storage location 3) Create a task that runs nightly to unload each table in the Production account into the stage 4) Use Snowpipe to populate the QA account
- C. 1) Enable replication for each database in the Production account 2) Create replica databases in the QA account 3) Create clones of the replica databases on a nightly basis 4) Run tests directly on those cloned databases
- D. 1) In the Production account, create an external function that connects into the QA account and returns all the data for one specific table 2) Run the external function as part of a stored procedure that loops through each table in the Production account and populates each table in the QA account

Correct Answer: C

This approach is the least complex because it uses Snowflake's built-in replication feature to copy the data and database objects from the Production account to the QA account. Replication is a fast and efficient way to synchronize data across accounts, regions, and cloud platforms. It also preserves the privileges and metadata of the replicated objects. By creating clones of the replica databases, the QA account can run tests on the cloned data without affecting the original data. Clones are also zero-copy, meaning they do not consume any additional storage space unless the data is modified. This approach does not require any external stages, tasks, Snowpipe, or external functions, which can add complexity and overhead to the data transfer process. References: Introduction to Replication and Failover Replicating Databases Across Multiple Accounts Cloning Considerations

QUESTION 11

An Architect has been asked to clone schema STAGING as it looked one week ago, Tuesday June 1st at 8:00 AM, to recover some objects.

The STAGING schema has 50 days of retention.

The Architect runs the following statement:

```
CREATE SCHEMA STAGING_CLONE CLONE STAGING at (timestamp => '2021-06-01 08:00:00');
```

The Architect receives the following error: Time travel data is not available for schema STAGING. The requested time is either beyond the allowed time travel period or before the object creation time.

The Architect then checks the schema history and sees the following:

```
CREATED_ON|NAME|DROPPED_ON  
2021-06-02 23:00:00 | STAGING | NULL
```



2021-05-01 10:00:00 | STAGING | 2021-06-02 23:00:00

How can cloning the STAGING schema be achieved?

- A. Undrop the STAGING schema and then rerun the CLONE statement.
- B. Modify the statement: `CREATE SCHEMA STAGING_CLONE CLONE STAGING at (timestamp => '\\2021-05-01 10:00:00\\')`;
- C. Rename the STAGING schema and perform an UNDROP to retrieve the previous STAGING schema version, then run the CLONE statement.
- D. Cloning cannot be accomplished because the STAGING schema version was not active during the proposed Time Travel time period.

Correct Answer: C

The error message indicates that the schema STAGING does not have time travel data available for the requested timestamp, because the current version of the schema was created on 2021-06-02 23:00:00, which is after the timestamp of 2021-06-01 08:00:00. Therefore, the CLONE statement cannot access the historical data of the schema at that point in time. Option A is incorrect, because undropping the STAGING schema will not restore the previous version of the schema that was active on 2021-06-01 08:00:00. Instead, it will create a new version of the schema with the same name and no data or objects. Option B is incorrect, because modifying the timestamp to 2021-05-01 10:00:00 will not clone the schema as it looked one week ago, but as it looked when it was first created. This may not reflect the desired state of the schema and its objects. Option C is correct, because renaming the STAGING schema and performing an UNDROP to retrieve the previous STAGING schema version will restore the schema that was dropped on 2021-06-02 23:00:00. This schema has time travel data available for the requested timestamp of 2021-06-01 08:00:00, and can be cloned using the CLONE statement. Option D is incorrect, because cloning can be accomplished by using the UNDROP command to access the previous version of the schema that was active during the proposed time travel period. References: : Cloning Considerations : Understanding and Using Time Travel : CREATE ... CLONE

QUESTION 12

A user can change object parameters using which of the following roles?

- A. ACCOUNTADMIN, SECURITYADMIN
- B. SYSADMIN, SECURITYADMIN
- C. ACCOUNTADMIN, USER with PRIVILEGE
- D. SECURITYADMIN, USER with PRIVILEGE

Correct Answer: C

Explanation: According to the Snowflake documentation, object parameters are parameters that can be set on individual objects such as databases, schemas, tables, and stages. Object parameters can be set by users with the appropriate privileges on the objects. For example, to set the object parameter AUTO_REFRESH on a table, the user must have the MODIFY privilege on the table. The ACCOUNTADMIN role has the highest level of privileges on all objects in the account, so it can set any object parameter on any object. However, other roles, such as SECURITYADMIN or SYSADMIN, do not have the same level of privileges on all objects, so they cannot set object parameters on objects they do not own or have the required privileges on. Therefore, the correct answer is C. ACCOUNTADMIN, USER with PRIVILEGE. References: Parameters | Snowflake Documentation Object Parameters | Snowflake Documentation Object Privileges | Snowflake Documentation

**QUESTION 13**

How can an Architect enable optimal clustering to enhance performance for different access paths on a given table?

- A. Create multiple clustering keys for a table.
- B. Create multiple materialized views with different cluster keys.
- C. Create super projections that will automatically create clustering.
- D. Create a clustering key that contains all columns used in the access paths.

Correct Answer: B

Explanation: According to the SnowPro Advanced: Architect documents and learning resources, the best way to enable optimal clustering to enhance performance for different access paths on a given table is to create multiple materialized views with different cluster keys. A materialized view is a pre-computed result set that is derived from a query on one or more base tables. A materialized view can be clustered by specifying a clustering key, which is a subset of columns or expressions that determines how the data in the materialized view is co-located in micro-partitions. By creating multiple materialized views with different cluster keys, an Architect can optimize the performance of queries that use different access paths on the same base table. For example, if a base table has columns A, B, C, and D, and there are queries that filter on A and B, or on C and D, or on A and C, the Architect can create three materialized views, each with a different cluster key: (A, B), (C, D), and (A, C). This way, each query can leverage the optimal clustering of the corresponding materialized view and achieve faster scan efficiency and better compression. References: Snowflake Documentation: Materialized Views Snowflake Learning: Materialized Views <https://www.snowflake.com/blog/using-materialized-views-to-solve-multi-clustering-performance-problems/>

QUESTION 14

A Snowflake Architect is designing an application and tenancy strategy for an organization where strong legal isolation rules as well as multi-tenancy are requirements.

Which approach will meet these requirements if Role-Based Access Policies (RBAC) is a viable option for isolating tenants?

- A. Create accounts for each tenant in the Snowflake organization.
- B. Create an object for each tenant strategy if row level security is viable for isolating tenants.
- C. Create an object for each tenant strategy if row level security is not viable for isolating tenants.
- D. Create a multi-tenant table strategy if row level security is not viable for isolating tenants.

Correct Answer: A

Explanation: This approach meets the requirements of strong legal isolation and multi-tenancy. By creating separate accounts for each tenant, the application can ensure that each tenant has its own dedicated storage, compute, and metadata resources, as well as its own encryption keys and security policies. This provides the highest level of isolation and data protection among the tenancy models. Furthermore, by creating the accounts within the same Snowflake organization, the application can leverage the features of Snowflake Organizations, such as centralized billing, account management, and cross-account data sharing. References: Snowflake Organizations Overview | Snowflake Documentation Design Patterns for Building Multi-Tenant Applications on Snowflake

**QUESTION 15**

Which feature provides the capability to define an alternate cluster key for a table with an existing cluster key?

- A. External table
- B. Materialized view
- C. Search optimization
- D. Result cache

Correct Answer: B

Explanation: A materialized view is a feature that provides the capability to define an alternate cluster key for a table with an existing cluster key. A materialized view is a pre-computed result set that is stored in Snowflake and can be queried like a regular table. A materialized view can have a different cluster key than the base table, which can improve the performance and efficiency of queries on the materialized view. A materialized view can also support aggregations, joins, and filters on the base table data. A materialized view is automatically refreshed when the underlying data in the base table changes, as long as the AUTO_REFRESH parameter is set to true¹. References: Materialized Views | Snowflake Documentation

[Latest ARA-C01 Dumps](#)

[ARA-C01 PDF Dumps](#)

[ARA-C01 Practice Test](#)