

COLUMNS			
TABLE_CATALOG	VARCHAR	Database that the table belongs to	
TABLE_SCHEMA	VARCHAR	Schema that the table belongs to	
TABLE_NAME	VARCHAR	Table that the column belongs to	
COLUMN_NAME	VARCHAR	Name of the column	
ORDINAL_POSITION	NUMERIC (28)	Ordinal position of the column in the table	
COLUMN_DEFAULT	VARCHAR	Default value of the column	
IS_NULLABLE	VARCHAR	Defines if the column is nullable or not	
DATA_TYPE	VARCHAR	Data type of the column	
CHARACTER_MAXIMUM_LENGTH	NUMERIC (28)	Maximum length in characters of string columns	
CHARACTER_OCTET_LENGTH	NUMERIC (28)	Maximum length in bytes of string columns	
NUMERIC_PRECISION	NUMERIC (28)	Numeric precision of numeric columns	
NUMERIC_PRECISION_RADIX	NUMERIC (28)	Radix or precision of numeric columns	
NUMERIC_SCALE	NUMERIC (28)	Scale of numeric columns	
DATETIME_PRECISION	NUMERIC (28)	Not applicable for Snowflake.	
INTERVAL_PRECISION	NUMERIC (28)	Not applicable for Snowflake.	
CHARACTER_SET_CATALOG	VARCHAR	Not applicable for Snowflake.	
CHARACTER_SET_SCHEMA	VARCHAR	Not applicable for Snowflake.	
CHARACTER_SET_NAME	VARCHAR	Not applicable for Snowflake.	
COLLATION_CATALOG	VARCHAR	Not applicable for Snowflake.	
COLLATION_SCHEMA	VARCHAR	Not applicable for Snowflake.	
COLLATION_NAME	VARCHAR	Not applicable for Snowflake.	
DOMAIN_CATALOG	VARCHAR	Not applicable for Snowflake.	
DOMAIN_SCHEMA	VARCHAR	Not applicable for Snowflake.	
DOMAIN_NAME	VARCHAR	Not applicable for Snowflake.	
UDT_CATALOG	VARCHAR	Not applicable for Snowflake.	
UDT_SCHEMA	VARCHAR	Not applicable for Snowflake.	
UDT_NAME	VARCHAR	Not applicable for Snowflake.	
SCOPE_CATALOG	VARCHAR	Not applicable for Snowflake.	
SCOPE_SCHEMA	VARCHAR	Not applicable for Snowflake.	
SCOPE_NAME	VARCHAR	Not applicable for Snowflake.	
MAXIMUM_CARDINALITY	NUMERIC (28)	Not applicable for Snowflake.	
DTD_IDENTIFIER	VARCHAR	Not applicable for Snowflake.	
IS_SELF_REFERENCING	VARCHAR	Not applicable for Snowflake.	
IS_IDENTITY	VARCHAR	Whether this column is an identity column	
IDENTITY_GENERATION	VARCHAR	Whether an identity column's value is always generated or only generated by default. Snowflake only supports BY DEFAULT	
IDENTITY_START	VARCHAR	Not applicable for Snowflake.	
IDENTITY_INCREMENT	VARCHAR	Not applicable for Snowflake.	
IDENTITY_MAXIMUM	VARCHAR	Not applicable for Snowflake.	
IDENTITY_MINIMUM	VARCHAR	Not applicable for Snowflake.	
IDENTITY_CYCLE	VARCHAR	Whether the value of an identity column may cycle. Snowflake only supports NO CYCLE.	
COMMENT	VARCHAR	Comment for this column	
COLUMNS_PK (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME, COLUMN_NAME)			
COLUMNS_FK1 (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME)			
Information on columns in a table for a schema in a database.			

TABLE CONSTRAINTS			
CONSTRAINT_CATALOG	VARCHAR	Database that the constraint belongs to	
CONSTRAINT_SCHEMA	VARCHAR	Schema that the constraint belongs to	
CONSTRAINT_NAME	VARCHAR	Name of the constraint	
TABLE_CATALOG	VARCHAR	Name of the database of the current table	
TABLE_SCHEMA	VARCHAR	Name of the schema of the current table	
TABLE_NAME	VARCHAR	Name of the current table	
CONSTRAINT_TYPE	VARCHAR	Type of the constraint	
IS_DEFERRABLE	VARCHAR	Whether evaluation of the constraint can be deferred	
INITIALLY_DEFERRED	VARCHAR	Whether evaluation of the constraint is initially deferred	
ENFORCED	VARCHAR	Whether the constraint is enforced	
COMMENT	VARCHAR	Comment for this constraint	
CREATED	TIMESTAMP	Creation time of the constraint	
LAST_ALTERED	TIMESTAMP	Last altered time of the constraint	
TABLE_CONSTRAINTS_PK (CONSTRAINT_CATALOG, CONSTRAINT_SCHEMA, CONSTRAINT_NAME)			
TABLE_CONSTRAINTS_FK1 (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME)			
TABLE_CONSTRAINTS_FK3 (CONSTRAINT_CATALOG, CONSTRAINT_SCHEMA)			
Contains information about table level constraints declared in a database.			

REFERENTIAL CONSTRAINTS			
CONSTRAINT_CATALOG	VARCHAR	Database that the constraint belongs to	
CONSTRAINT_SCHEMA	VARCHAR	Schema that the constraint belongs to	
CONSTRAINT_NAME	VARCHAR	Name of the constraint	
UNIQUE_CONSTRAINT_CATALOG	VARCHAR	Database of the unique constraint referenced by the current constraint	
UNIQUE_CONSTRAINT_SCHEMA	VARCHAR	Schema of the unique constraint referenced by the current constraint	
UNIQUE_CONSTRAINT_NAME	VARCHAR	Name of the unique constraint referenced by the current constraint	
MATCH_OPTION	VARCHAR	Match option for the constraint	
UPDATE_RULE	VARCHAR	Update Rule for the current constraint	
DELETE_RULE	VARCHAR	Delete Rule for the current constraint	
COMMENT	VARCHAR	Comment for this constraint	
CREATED	TIMESTAMP	Creation time of the constraint	
LAST_ALTERED	TIMESTAMP	Last altered time of the constraint	
REFERENTIAL_CONSTRAINTS_PK (CONSTRAINT_CATALOG, CONSTRAINT_SCHEMA, CONSTRAINT_NAME)			
REFERENTIAL_CONSTRAINTS_FK1 (UNIQUE_CONSTRAINT_CATALOG, UNIQUE_CONSTRAINT_SCHEMA, UNIQUE_CONSTRAINT_NAME)			
REFERENTIAL_CONSTRAINTS_FK2 (CONSTRAINT_CATALOG, CONSTRAINT_SCHEMA, CONSTRAINT_NAME)			
Contains the definition of referential constraints (i.e., foreign key constraints)			

TABLES			
TABLE_CATALOG	VARCHAR	Database that the table belongs to	
TABLE_SCHEMA	VARCHAR	Schema that the table belongs to	
TABLE_NAME	VARCHAR	Name of the table	
TABLE_OWNER	VARCHAR	Name of the role that owns the table	
TABLE_TYPE	VARCHAR	Whether the table is a base table, temporary table, or view	
SELF_REFERENCING_COLUMN_NAME	VARCHAR	Not applicable for Snowflake.	
IS_TRANSIENT	VARCHAR	Whether this is a transient table	
ROW_COUNT	VARCHAR	Number of rows in the table	
RETENTION_TIME	NUMERIC (28)	Number of days that historical data is retained for Time Travel	
BYTES	VARCHAR	Number of bytes accessed by a scan of the table	
REFERENCE_GENERATION	VARCHAR	Not applicable for Snowflake.	
USER_DEFINED_TYPE_CATALOG	VARCHAR	Not applicable for Snowflake.	
USER_DEFINED_TYPE_SCHEMA	VARCHAR	Not applicable for Snowflake.	
USER_DEFINED_TYPE_NAME	VARCHAR	Not applicable for Snowflake.	
IS_INSERTABLE_INTO	VARCHAR	Not applicable for Snowflake.	
IS_TYPED	VARCHAR	Not applicable for Snowflake.	
COMMIT_ACTION	VARCHAR	Not applicable for Snowflake.	
CREATED	TIMESTAMP	Creation time of the table	
LAST_ALTERED	TIMESTAMP	Last altered time of the table	
COMMENT	VARCHAR	Comment for this table	
TABLES_PK (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME)			
TABLES_FK1 (TABLE_CATALOG, TABLE_SCHEMA)			
Contains information for each table or view in the specified database, including the views in the INFORMATION_SCHEMA schema.			

FUNCTIONS			
FUNCTION_CATALOG	VARCHAR	Database which the function belongs to	
FUNCTION_SCHEMA	VARCHAR	Schema which the function belongs to	
FUNCTION_NAME	VARCHAR	Name of the function	
FUNCTION_OWNER	VARCHAR	Name of the role that owns the function	
ARGUMENT_SIGNATURE	VARCHAR	Type signature of the function's arguments	
DATA_TYPE	VARCHAR	Return value data type	
CHARACTER_MAXIMUM_LENGTH	NUMERIC (28)	Maximum length in characters of string return value	
CHARACTER_OCTET_LENGTH	NUMERIC (28)	Maximum length in bytes of string return value	
NUMERIC_PRECISION	NUMERIC (28)	Numeric precision of numeric return value	
NUMERIC_PRECISION_RADIX	NUMERIC (28)	Radix or precision of numeric return value	
NUMERIC_SCALE	NUMERIC (28)	Scale of numeric return value	
FUNCTION_LANGUAGE	VARCHAR	Language of the function	
FUNCTION_DEFINITION	VARCHAR	Function definition	
VOLATILITY	VARCHAR	Whether the function is volatile or immutable	
IS_NULL_CALL	VARCHAR	Whether the function is called on null input	
CREATED	TIMESTAMP	Creation time of the function	
LAST_ALTERED	TIMESTAMP	Last altered time of the function	
COMMENT	VARCHAR	Comment for this function	
FUNCTIONS_PK (FUNCTION_CATALOG, FUNCTION_SCHEMA, FUNCTION_NAME)			
FUNCTIONS_FK1 (FUNCTION_CATALOG, FUNCTION_SCHEMA)			
Information on user defined functions (UDF)			

SEQUENCES			
SEQUENCE_CATALOG	VARCHAR	Database that the sequence belongs to	
SEQUENCE_SCHEMA	VARCHAR	Schema that the sequence belongs to	
SEQUENCE_NAME	VARCHAR	Name of the sequence	
SEQUENCE_OWNER	VARCHAR	Name of the role that owns the sequence	
DATA_TYPE	VARCHAR	Data type of the sequence	
NUMERIC_PRECISION	NUMERIC (28)	Numeric precision of the data type of the sequence	
NUMERIC_PRECISION_RADIX	NUMERIC (28)	Radix of the numeric precision of the data type of the sequence	
NUMERIC_SCALE	NUMERIC (28)	Scale of the data type of the sequence	
START_VALUE	VARCHAR	Initial value of the sequence	
MINIMUM_VALUE	VARCHAR	Not applicable for Snowflake.	
MAXIMUM_VALUE	VARCHAR	Not applicable for Snowflake.	
NEXT_VALUE	VARCHAR	Next value that the sequence will produce	
INCREMENT	VARCHAR	Increment of the sequence generator	
CYCLE_OPTION	VARCHAR	Not applicable for Snowflake.	
CREATED	TIMESTAMP	Creation time of the sequence	
LAST_ALTERED	TIMESTAMP	Last altered time of the sequence	
COMMENT	VARCHAR	Comment for this sequence	
SEQUENCES_PK (SEQUENCE_CATALOG, SEQUENCE_SCHEMA, SEQUENCE_NAME)			
SEQUENCES_FK1 (SEQUENCE_CATALOG, SEQUENCE_SCHEMA)			
Information on each sequence defined in the specified database.			

FILE FORMATS			
FILE_FORMAT_CATALOG	VARCHAR	Database that the file format belongs to	
FILE_FORMAT_SCHEMA	VARCHAR	Schema that the file format belongs to	
FILE_FORMAT_NAME	VARCHAR	Name of the file format	
FILE_FORMAT_OWNER	VARCHAR	Name of the role that owns the file format	
FILE_FORMAT_TYPE	VARCHAR	Type of the file format	
RECORD_DELIMITER	VARCHAR	Character that separates records	
FIELD_DELIMITER	VARCHAR	Character that separates fields	
SKIP_HEADER	NUMERIC (28)	Number of lines skipped at the start of the file	
DATE_FORMAT	VARCHAR	Date format	
TIME_FORMAT	VARCHAR	Time format	
TIMESTAMP_FORMAT	VARCHAR	Timestamp format	
ESCAPE	VARCHAR	String used as the escape character for any field values	
ESCAPE_UNENCLOSED_FIELD	VARCHAR	String used as the escape character for unenclosed field values	
TRIM_SPACE	VARCHAR	Whether whitespace is removed from fields	
FIELD_OPTIONALLY_ENCLOSED_BY	VARCHAR	Character used to enclose strings	
NULL_IF	VARCHAR	A list of strings to be replaced by null	
COMPRESSION	VARCHAR	Compression method for the data file	
ERROR_ON_COLUMN_COUNT_MISMATCH	VARCHAR	Whether to generate a parsing error if the number of fields in an input file does not match the number of columns in the corresponding table	
CREATED	TIMESTAMP	Creation time of the file format	
LAST_ALTERED	TIMESTAMP	Last altered time of the file format	
COMMENT	VARCHAR	Comment for this file format	
FILE_FORMATS_PK (FILE_FORMAT_CATALOG, FILE_FORMAT_SCHEMA, FILE_FORMAT_NAME)			
FILE_FORMATS_FK1 (FILE_FORMAT_CATALOG, FILE_FORMAT_SCHEMA)			
Information on each file format defined in the specified database. File formats are named objects that can be used for loading/unloading data.			

LOAD_HISTORY			
SCHEMA_NAME	VARCHAR	Schema of target table	
FILE_NAME	VARCHAR	Name of source file	
TABLE_NAME	VARCHAR	Name of target table	
LAST_LOAD_TIME	TIMESTAMP	Timestamp of the load record	
STATUS	VARCHAR	Status: loaded, load failed or partially loaded	
ROW_COUNT	NUMERIC (28)	Number of rows loaded from the source file	
ROWS_PARSED	NUMERIC (28)	Number of rows parsed from the source file	
FIRST_ERROR_MESSAGE	VARCHAR	First error of the source file	
FIRST_ERROR_LINE_NUMBER	NUMERIC (28)	First error of the source file	
FIRST_ERROR_CHARACTER_POSITION	NUMERIC (28)	Position of the first error character	
FIRST_ERROR_COL_NAME	VARCHAR	Column name of the first error	
ERROR_COUNT	NUMERIC (28)	Number of error rows in the source file	
ERROR_LIMIT	NUMERIC (28)	If the number of error reach this limit, then abort	
LOAD_HISTORY_PK (SCHEMA_NAME, FILE_NAME, TABLE_NAME)			
Information on the history of data loaded into tables in the current database using the COPY INTO command. The view displays one row for each COPY INTO command executed.			

VIEWS			
TABLE_CATALOG	VARCHAR	Database that the view belongs to	
TABLE_SCHEMA	VARCHAR	Schema that the view belongs to	
TABLE_NAME	VARCHAR	Name of the view	
TABLE_OWNER	VARCHAR	Name of the role that owns the view	
VIEW_DEFINITION	VARCHAR	Text of the view's query expression	
CHECK_OPTION	VARCHAR	Not applicable for Snowflake.	
IS_UPDATABLE	VARCHAR	Not applicable for Snowflake.	
INSERTABLE_INTO	VARCHAR	Not applicable for Snowflake.	
CREATED	TIMESTAMP	Creation time of the view	
LAST_ALTERED	TIMESTAMP	Last altered time of the view	
COMMENT	VARCHAR	Comment for this view	
VIEWS_PK (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME)			
VIEWS_FK1 (TABLE_CATALOG, TABLE_SCHEMA)			
Information on each view in the specified database, including the INFORMATION_SCHEMA views for the database.			

SCHEMATA			
CATALOG_NAME	VARCHAR	Database that the schema belongs to	
SCHEMA_NAME	VARCHAR	Name of the schema	
SCHEMA_OWNER	VARCHAR	Name of the role that owns the schema	
IS_TRANSIENT	VARCHAR	Whether all tables in this schema are transient tables	
RETENTION_TIME	NUMERIC (28)	Number of days that historical data is retained for Time Travel	
DEFAULT_CHARACTER_SET_CATALOG	VARCHAR	Not applicable for Snowflake.	
DEFAULT_CHARACTER_SET_SCHEMA	VARCHAR	Not applicable for Snowflake.	
DEFAULT_CHARACTER_SET_NAME	VARCHAR	Not applicable for Snowflake.	
SQL_PATH	VARCHAR	Not applicable for Snowflake.	
CREATED	TIMESTAMP	Creation time of the schema	
LAST_ALTERED	TIMESTAMP	Last altered time of the schema	
COMMENT	VARCHAR	Comment for this schema	
SCHEMATA_PK (CATALOG_NAME, SCHEMA_NAME)			
SCHEMATA_FK1 (SCHEMA_OWNER)			
SCHEMATA_FK3 (CATALOG_NAME)			
Information on the database schemas in a specified database.			

INFORMATION_SCHEMA_CATALOG_NAME			
CATALOG_NAME	VARCHAR	The name of the database in which this information_schema resides.	
INFORMATION_SCHEMA_CATALOG_NAME_PK (CATALOG_NAME)			
INFORMATION_SCHEMA_CATALOG_NAME_FK1 (CATALOG_NAME)			
Information which identifies the database (or catalog, in SQL terminology) that contains the INFORMATION_SCHEMA schema			

DATABASES			
DATABASE_NAME	VARCHAR	Name of the database	
DATABASE_OWNER	VARCHAR	Name of the role that owns the schema	
IS_TRANSIENT	VARCHAR	Whether all tables in this database are transient tables	
COMMENT	VARCHAR	Comment for this database	
CREATED	TIMESTAMP	Creation time of the database	
LAST_ALTERED	TIMESTAMP	Last altered time of the database	
RETENTION_TIME	NUMERIC (28)	Number of days that historical data is retained for Time Travel	
DATABASES_PK (DATABASE_NAME)			
DATABASES_FK1 (DATABASE_OWNER)			
Information on databases in a Snowflake account (that the current user has access to).			

ENABLED_ROLES			
ROLE_NAME	VARCHAR	Name of the role	
ROLE_OWNER	VARCHAR	Owner of the role	
ENABLED_ROLES_PK (ROLE_NAME)			
List of each currently enabled role in the current session. A role is enabled if it is currently in use in the session or it has been granted to the role that is currently in use.			

USAGE_PRIVILEGES			
GRANTOR	VARCHAR	Role who granted the usage privilege	
GRANTEE	VARCHAR	Role to whom the usage privilege is granted	
OBJECT_CATALOG	VARCHAR	Database containing the object on which the privilege is granted	
OBJECT_SCHEMA	VARCHAR	Schema containing the object on which the privilege is granted	
OBJECT_NAME	VARCHAR	Name of the object on which the privilege is granted	
OBJECT_TYPE	VARCHAR	Type of the object on which the privilege is granted	
PRIVILEGE_TYPE	VARCHAR	Type of the granted privilege	
IS_GRANTABLE	VARCHAR	Whether the privilege was granted WITH GRANT OPTION	
CREATED	TIMESTAMP	Creation time of the privilege	
USAGE_PRIVILEGES_PK (GRANTEE, OBJECT_CATALOG, OBJECT_SCHEMA, OBJECT_NAME, PRIVILEGE_TYPE)			
USAGE_PRIVILEGES_FK1 (GRANTEE)			
USAGE_PRIVILEGES_FK3 (GRANTOR)			
Contains information on privileges defined for sequences in the specified database. Privileges on other types of objects are in OBJECT_PRIVILEGES			

OBJECT_PRIVILEGES			
GRANTOR	VARCHAR	Role who granted the privilege	
GRANTEE	VARCHAR	Role to whom the privilege is granted	
OBJECT_CATALOG	VARCHAR	Database containing the object on which the privilege is granted	
OBJECT_SCHEMA	VARCHAR	Schema containing the object on which the privilege is granted	
OBJECT_NAME	VARCHAR	Name of the object on which the privilege is granted	
OBJECT_TYPE	VARCHAR	Type of the object on which the privilege is granted	
PRIVILEGE_TYPE	VARCHAR	Type of the granted privilege	
IS_GRANTABLE	VARCHAR	Whether the privilege was granted WITH GRANT OPTION	
CREATED	TIMESTAMP	Creation time of the privilege	
OBJECT_PRIVILEGES_PK (GRANTEE, OBJECT_CATALOG, OBJECT_SCHEMA, OBJECT_NAME, PRIVILEGE_TYPE)			
OBJECT_PRIVILEGES_FK1 (GRANTEE)			
OBJECT_PRIVILEGES_FK3 (GRANTOR)			
Contains information on each access privilege granted for all objects defined in an account. It includes the privileges displayed in the TABLE_PRIVILEGES and USAGE_PRIVILEGES.			

STAGES			
STAGE_CATALOG	VARCHAR	Database that the stage belongs to	
STAGE_SCHEMA	VARCHAR	Schema that the stage belongs to	
STAGE_NAME	VARCHAR	Name of the stage	
STAGE_URL	VARCHAR	Location of an external stage	
STAGE_REGION	VARCHAR	AWS region where the stage resides	
STAGE_TYPE	VARCHAR	Type of stage: User, Table, Internal Named or External Named	
STAGE_OWNER	VARCHAR	Name of the role that owns the stage	
COMMENT	VARCHAR	Comment for this stage	
CREATED	TIMESTAMP	Creation time of the stage	
LAST_ALTERED	TIMESTAMP	Last altered time of the stage	
STAGES_PK (STAGE_CATALOG, STAGE_SCHEMA, STAGE_NAME)			
STAGES_FK1 (STAGE_CATALOG, STAGE_SCHEMA)			
Information on defined stages. Stages are named objects that can be used for loading/unloading data to Snowflake.			

TABLE_PRIVILEGES			
GRANTOR	VARCHAR	Role who granted the table privilege	
GRANTEE	VARCHAR	Role to whom the table privilege is granted	
TABLE_CATALOG	VARCHAR	Database containing the table on which the privilege is granted	
TABLE_SCHEMA	VARCHAR	Schema containing the table on which the privilege is granted	
TABLE_NAME	VARCHAR	Name of the table on which the privilege is granted	
PRIVILEGE_TYPE	VARCHAR	Type of the granted privilege	
IS_GRANTABLE	VARCHAR	Whether the privilege was granted WITH GRANT OPTION	
WITH_HIERARCHY	VARCHAR	Not applicable for Snowflake.	
CREATED	TIMESTAMP	Creation time of the privilege	
TABLE_PRIVILEGES_PK (GRANTEE, TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME, PRIVILEGE_TYPE)			
TABLE_PRIVILEGES_FK1 (TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME)			
TABLE_PRIVILEGES_FK3 (GRANTOR)			
TABLE_PRIVILEGES_FK4 (GRANTOR)			
Contains information about which privileges have been granted to which roles for a table. Note: The PRIVILEGE_TYPE column contains Snowflake privilege types. For example, the owner of a table has the OWNERSHIP privilege, rather than each of the separate privileges (e.g. SELECT, INSERT, DELETE, UPDATE).			