



SNOWFLAKE SNOWCONVERT FOR GREENPLUM

SnowConvert App Version 1.16.1.0

Engine Version 30.6.1

Executed on 8/14/2025 at 6:52:28 PM

Conversion Time: 00:00:03

Conversion Speed: 1565 lines/sec

The purpose of this document is to summarize the technical considerations and code analysis in migrating SQL to Snowflake from Greenplum that either have an impact on the automated code conversion or cannot be handled by automated code conversion, as well as provide a high-level inventory and automation capability of the code that will need to be addressed. A glossary of terms used is located at the end of the document.

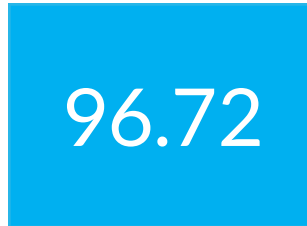
KEY TERMS

Code Unit (CU) - SnowConvert breaks down code for reporting here into code units. Please see the documentation "[here](#)" for an explanation of how code units are defined.

Code Unit Parent Category (CUPC) - For summary purposes in certain sections of this document you code units are grouped together to display conversion rates, counts and other metrics. All detail for code units can still be found and analyzed in the top level code units document. For information on how code units are grouped, please refer to the documentation [here](#).

CODE COMPLETENESS SCORE

SnowConvert results are only as good as the completeness of the provided code. A full lineage of information is needed in order to properly convert many objects. The Code Completeness score is an indication of how complete the provided code base is. Anything less than a score of 100 means SnowConvert identified missing object references in the code. It is advisable to convert dependent objects together to avoid getting missing object remarks. As an example, a Procedure definition converted individually without the dependent tables or functions would result in missing dependency remarks.



[Learn more](#)

For details on objects reported as missing from the submitted code, see the section on Missing Dependent Objects. For best results, revise the submitted code base to include a complete set of code.

EXCLUDED SCOPE SUMMARY

SnowConvert only supports [certain file types and code units](#). The following outlines what was identified in the submitted code and has been excluded from the scope of this assessment. These excluded items are not converted by SnowConvert and do not affect the overall conversion rates reported in this assessment. For additional information see the section on Excluded Scope Breakdown.

Excluded from Assessment:

Files: Out of Scope 26.31579%

Unsupported extensions: 5

Unexpected encoding: 0

Excluded from Conversion:

Code Units: Out of Scope 0.58%

ASSESSED CONVERSION SCOPE SUMMARY

Files	14	Fully Converted Code Units	80.81%
Code Units	516	Lines of Code Conversion Rate	89.08%
Lines of Code	5778	Functional Difference Messages	422

Files	14	Fully Converted Code Units	80.81%
Files Not Generated	0	Performance Reviews	13
Parsing EWIs	23	Missing Dependent Objects	19
Other EWIs	367		

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CODE UNITS SUMMARY

Top Level Code Units

Code units are used to holistically count code across multiple types of files and scenarios and then grouped into categories here for summarization. For information on how CUs are determined please see the [SnowConvert documentation here](#).

Code Unit Parent Category	Code Unit	Conversion Rate		Total # of Code Units	Lines of Code	Parsing EWIs	Other EWIs
		Fully Converted Code Units	Lines of Code				
DATABASE	CREATE DATABASE	0 %	0 %	1	1	0	1
DML	INSERT	71.93 %	95.88 %	57	704	0	33
DML	UPDATE	100 %	100 %	4	15	0	0
DQL	SELECT	75 %	93.75 %	4	16	0	1
FUNCTION	CREATE FUNCTION	10 %	65.87 %	30	1292	2	267
FUNCTION	DROP FUNCTION	0 %	16.67 %	5	6	0	5
INDEX	CREATE INDEX	100 %	100 %	198	274	0	0
SCHEMA	CREATE SCHEMA	0 %	9.09 %	10	11	0	10
TABLE	ALTER TABLE	0 %	26.56 %	20	64	0	20
TABLE	CREATE TABLE	93.94 %	99.6 %	165	2753	0	11
VIEW	CREATE VIEW	59.09 %	93.83 %	22	486	0	10

CONVERSION REMARKS DETAIL

Functional Difference Messages (FDMs)

In the course of converting your legacy platform code to Snowflake, it is essential to acknowledge that Greenplum and Snowflake are distinct platforms, each with its unique set of features, functions, and capabilities. In many cases, full functional equivalence cannot be achieved through brute force automation and involvement is required to bridge these functional differences. SnowConvert calls out all known cases of these functional differences as Functional Difference

Messages where the code has been successfully converted to the extent possible and can only be further improved by reviewing details that lie outside of the code which may include business use cases, data ingestion processes or other architectural considerations.

Purpose

Customer Review: The purpose of this remark is to ensure transparency and provide visibility into areas of the conversion where human intervention may be required. It allows you, as the customer, to review and address these platform-specific differences according to your specific business requirements.

Customization Opportunities: By highlighting these differences, it enables you to assess whether any custom adaptations, workarounds, or alternative solutions may be required to achieve the desired functionality on the Snowflake platform.

Full Compatibility: It aims to ensure that your Snowflake environment, after migration, aligns with your expectations, while also complying with Snowflake's architecture and capabilities.

Action Required

Your review of these platform differences is essential. Depending on your specific use case and business needs, there could be substantial work to perform both outside and inside the code in order to achieve a successful migration. You may need to collaborate with database administrators or developers to implement solutions or workarounds to achieve functionality equivalent to what was present in your legacy platform. Each of the FDMs should be reviewed and any impacts fully understood prior to deploying any of the code and moving into testing.

Please reach out to our support team for further guidance in addressing these platform differences.

Summary

	FDMs
# of total remarks	422
# of unique remarks	8

Detail

Code	Description	Instances
SSC-FDM-0021	Create Index is not supported.	198
SSC-FDM-GP0001	The performance of the CLUSTER BY may vary compared to the performance of DISTRIBUTED BY	165
SSC-FDM-PG0016	Strongly typed array transformed to ARRAY without type checking	21

Code	Description	Instances
SSC-FDM-0007	Element with missing dependencies	17
SSC-FDM-PG0006	Set search path with multiple schemas is not supported in Snowflake.	14
SSC-FDM-PG0009	The generated numbers consistently increase in value (or decrease in value if the step size is negative) but are not necessarily contiguous.	5
SSC-FDM-PG0017	User Defined function that returns a void was transformed to a Snowflake procedure	1
SSC-FDM-PG0018	Analyze statement is commented out, which is not applicable in Snowflake.	1

Errors, Warnings, & Issues (EWIs)

EWIs in the output code are generated by SnowConvert in places where full automation is not implemented, they require review and manual remediation. They typically produce a functional or runtime difference. The SnowConvert team uses internal metrics to classify EWIs based on how much effort, on average, it takes to correct the code.

LOW	MEDIUM	HIGH	CRITICAL
The user may have to invest a <u>low amount</u> of manual effort to complete the conversion.	The user may have to invest a <u>medium amount</u> of manual effort to complete the conversion.	The user may have to invest a <u>high amount</u> of manual effort to complete the conversion.	Errors that cause exceptions in SnowConvert. The user may have to invest a <u>substantial amount</u> of manual effort to complete the conversion.

For more information about EWIs, such as their severity and examples of each type, please visit our [documentation page](#)

Parsing

SUMMARY

Total Unparsed Lines of Code:

	CRITICAL
# of occurrences	23
# of unique issues	1

DETAIL

Error Code	Description	Instances	Severity
SSC-EWI-0001	Error parsing the source code	23	Critical

Other

SUMMARY

	LOW	MEDIUM	HIGH	CRITICAL
# of occurrences	40	298	26	0
# of unique issues	5	2	1	0

DETAIL

Error Code	Description	Instances	Severity
SSC-EWI-0068	User Defined function was transformed to a Snowflake procedure	26	High
SSC-EWI-0073	Pending Functional Equivalence Review	297	Medium
SSC-EWI-PG0001	Age is not supported on Snowflake.	1	Medium
SSC-EWI-0035	CHECK statement not supported	15	Low
SSC-EWI-PG0003	Table inheritance is not supported in Snowflake.	13	Low
SSC-EWI-PG0009	Comment on '{0}' is not supported by Snowflake.	6	Low
SSC-EWI-0036	Data type converted to other data type	5	Low
SSC-EWI-PG0007	INTO clause in dynamic SQL is not supported in Snowflake.	1	Low

Missing Dependent Objects (MDOs)

Completeness Score (0-100)	96.72
Total Missing Object References	38
Unique Missing Object References	19

Performance Reviews (PRFs)

Summary

	Informational
# of remarks	13
# of unique remarks	1

Detail

Code	Description	Instances
SSC-PRF-0008	LOOP usage review	13

If you are using the full version of SnowConvert, you can find out the exact file and location of each error in the Issues Report in the output reports folder created by SnowConvert.

GLOSSARY

Visit the [glossary](#) to understand the terminology used in multiple report documents generated by SnowConvert.