



Let's Solve



A Larsen & Toubro
Group Company

Accelerated Migration: SQL Server to Snowflake with LTI Canvas PolarSled

Microsoft SQL Server is one of the most used proprietary databases, which Microsoft generally bundles with its other data management services. Having a large presence across the globe with businesses, Microsoft has tried to leverage the cloud adoption theme by luring its customers to Azure-based technology landscape, giving them the power, scalability and cost-effectiveness of cloud. Snowflake has been one of the premium partners of Microsoft Azure, by bundling Snowflake with the Azure landscape ecosystem.

About **LTI** Canvas PolarSled

LTI, using its Canvas PolarSled framework, has helped businesses in the journey of migrating from SQL Server to Azure-based Snowflake platform leveraging its pre-built utilities to ease the transition path. LTI Canvas PolarSled framework addresses the core challenges of designing, accelerating and governing a data transformation journey using the pre-built utilities like:



SmartAnalyzer for SQL Server

This tool does landscape analysis and provides auto insights on the source database. It extracts the various database objects, their DDL and even evaluates and provides the complexity of views, stored procedures, etc.

Benefits:

SmartAnalyzer tool reduces the analysis time and effort up to 60%.



ViewShift for SQL Server

This tool migrates the views from SQL Server to Snowflake. ViewShift can operate in two modes: Online and Offline, here source DDLs extracted from SnowAnalyser are converted to Snowflake-compatible DDLs and the views are created in Snowflake.

Benefits:

ViewShift reduces the migration time from weeks to minutes with 70-80% accuracy.



TableShift for SQL Server

This tool migrates tables from SQL Server to Snowflake. TableShift can operate in two modes: Online and Offline, here source DDLs extracted from SnowAnalyser are converted to Snowflake-compatible DDLs and the tables are created in Snowflake. This tool also automatically maps datatypes.

Benefits:

TableShift reduces the migration time from weeks to minutes with 100% accuracy.

Case Study: For a Global Battery Energy Storage Major, TableShift converted 100+ table DDLs within 15 minutes with 100% accuracy, and without any manual intervention.



CloudUpload for SQL Server

This tool migrates historical data from SQL Server to Snowflake. The source data is provided in the form of flat files. Data can be provided in many file formats. Like CSV, Parquet, etc. This tool encrypts and compresses the data before migration.

Benefits:

CloudUpload loads the data in parallel reducing the migration time from days to hours.

LTI (NSE: LTI) is a global technology consulting and digital solutions Company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 32,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Ltinfotech.com> or follow us at **@LTI Global**.