

Brochure

Accelerated Migration:

SAP HANA to Snowflake with LTIMindtree PolarSled



In a bid to stay resilient and relevant, enterprises across the globe are emphasizing the need to have flexibility, scalability, and cost-efficiency. It will help them strengthen their data transformation journey and empower their future business use cases at a fraction of the cost.

LTIMindtree PolarSled

To facilitate this adoption change from SAP Hana to Snowflake, LTIMindtree's PolarSled framework helps move SAP Hana objects (tables, stored procedure, analytical, attribute, and calculated views) to Snowflake. This framework addresses the core challenges of designing, accelerating, and governing your data transformation journey using pre-built utilities like:

SmartAnalyzer



This tool does landscape analysis and provides insights into the inventory of SAP HANA. It extracts the various database objects and provides insights on risks associated with migration, cross-application/domain dependencies, the complexity of views, stored procedures, etc.

Benefits: SmartAnalyzer tool reduces the analysis time by up to 60%.

Case study: For a multinational conglomerate, SmartAnalyzer was used to extract SAP Hana Data Definition Language(DDLs) and provide inventory insights of 10k+ objects within 48 hours.

TableShift



This tool migrates table definitions from SAP HANA to Snowflake. Source DDLs are converted to Snowflake DDLs. This tool automatically maps datatypes with Snowflake-compatible datatypes.

Benefits: TableShift tool reduces the migration time from weeks to minutes, with 99% accuracy.

Case study: For a multinational conglomerate, TableShift was leveraged to convert 100+ table DDLs within 15 minutes, with 100% accuracy and without manual intervention.

ViewShift



This tool migrates the views (in the form of XMLs) from SAP HANA to Snowflake DDLs. It automatically maps compatible functions with an extensible framework to add new functions.

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

Case study: For a multinational conglomerate, 90+ views were provided, including attribute views, analytical views, and calculation views. ViewShift could convert these view XMLs within 30 minutes and with 70% accuracy.

CloudConvert



This tool migrates the SAP HANA SQL-based stored procedures to Snowflake SQL or JavaScript-based stored procedures. It automatically maps the syntax of SQL-based stored procedures to JavaScript-based stored procedures.

Benefits: CloudProc tool reduces the migration time from weeks to minutes with 60-70% accuracy.

Case study: For a multinational conglomerate, 40+ stored procedures with a medium to complex complexity level were provided. CloudProc could convert these stored procedures within 20 minutes with 65% accuracy.

CloudUpload



This tool migrates historical data from SAP HANA to Snowflake. The source data, in the form of flat files, is either provided using a native utility or extracted using the tool. This tool can load data in either Snowflake's internal or external stage (blob storage), and it encrypts and compresses the data before migration.

Benefits: CloudUpload tool loads the data in parallel, reducing the migration time from days to hours.

Case study: For a multinational conglomerate, two terabytes of data from SAP Hana result tables were migrated to Snowflake tables in just two weeks.

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700+ clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by nearly 90,000 talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit www.ltimindtree.com.