LTIMindtree PolarSled FinOps
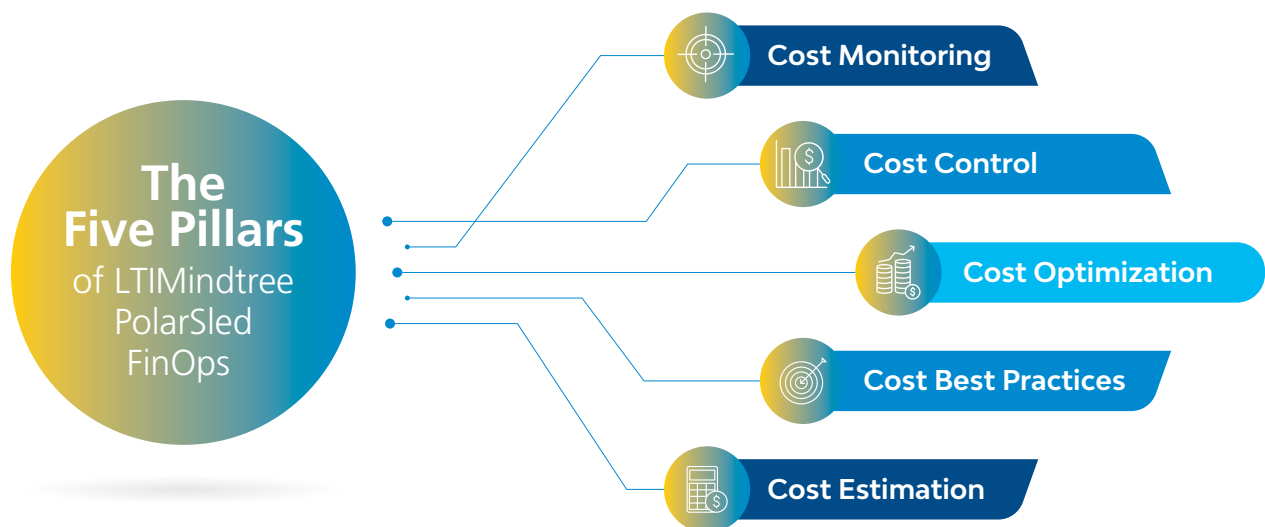
The Science of Cost Management on Snowflake

Overview

Snowflake Data Cloud is not only new but also different. Snowflake provides a simple yet very powerful platform for running Data Analytics workloads. However, with this power and flexibility also comes the governance responsibility. It is very easy for enterprises to spend a lot of good money on bad workloads if they are not disciplined about their cost governance on Snowflake. This is where LTIMindtree FinOps can make a difference, as your snowflake spend becomes material PolarSled FinOps can make sure your spending is both efficient and effective.
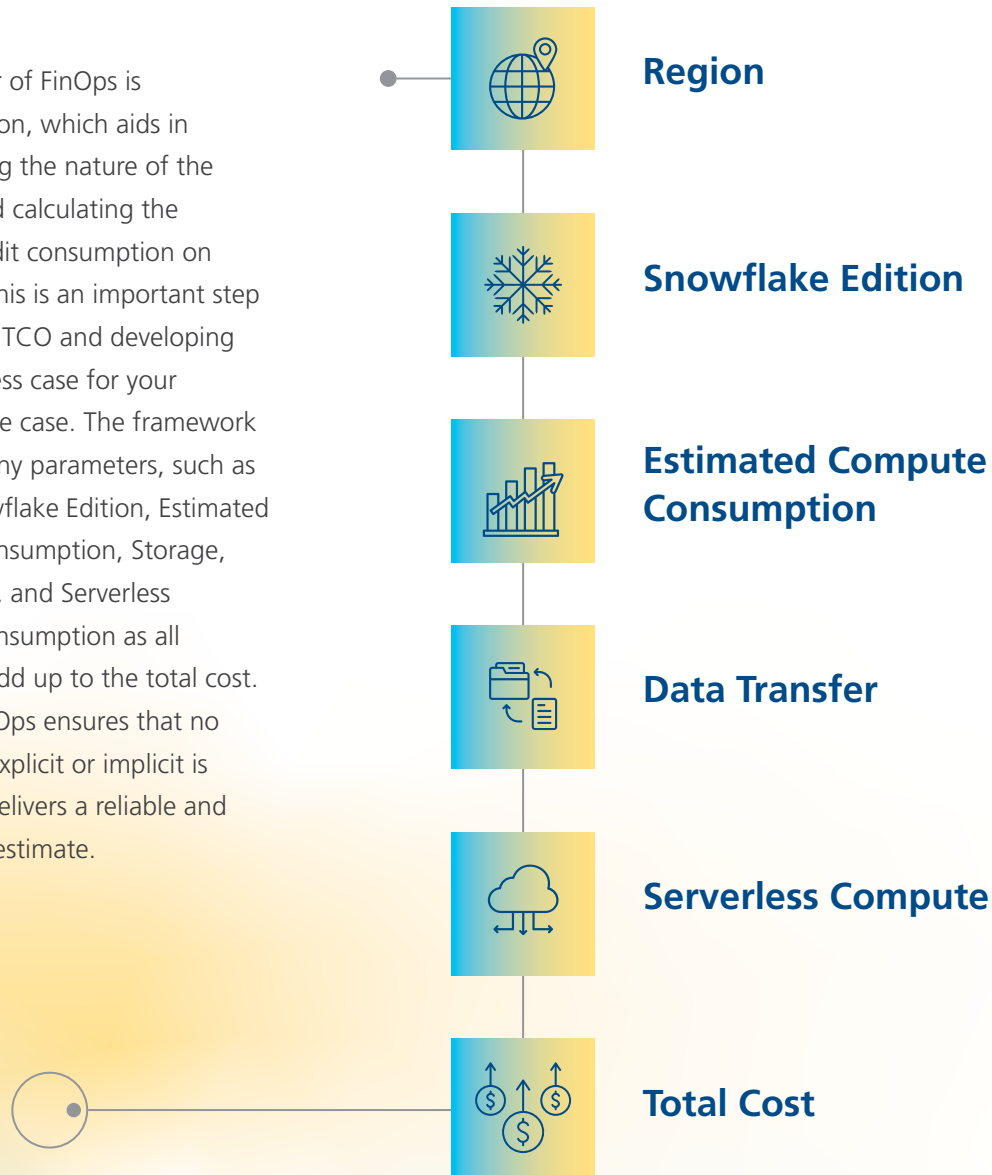
Why PolarSled FinOps

Enterprises typically face two challenges with the consumption pricing model if they do not think about cost monitoring and governance from Day 1. They may see a sudden and uncontrolled expenditure due to inefficient or rogue workloads. As more workloads, users, and apps use Snowflake, there can be continuous and incremental cost increases. LTIMindtree PolarSled FinOps is a framework that can bring financial discipline to your Snowflake spending. This framework helps you in understanding, controlling, and optimizing your Snowflake expenditure without throttling data-driven innovation & operations.

The Five Pillars of LTIMindtree PolarSled FinOps focus on cost management across Snowflake Storage, Compute, and Cloud Services across all accounts in an organization.

The
Five Pillars
of LTIMindtree
PolarSled
FinOps

- Cost Monitoring
- Cost Control
- Cost Optimization
- Cost Best Practices
- Cost Estimation

Cost Estimation with PolarSled FinOps

The first pillar of FinOps is Cost Estimation, which aids in understanding the nature of the workload and calculating the potential credit consumption on Snowflake. This is an important step in estimating TCO and developing a solid business case for your Snowflake use case. The framework considers many parameters, such as Region, Snowflake Edition, Estimated Compute Consumption, Storage, Data Transfer, and Serverless Compute Consumption as all parameters add up to the total cost. PolarSled FinOps ensures that no component explicit or implicit is missed and delivers a reliable and realistic cost estimate.

Region

Snowflake Edition

Estimated Compute Consumption

Data Transfer
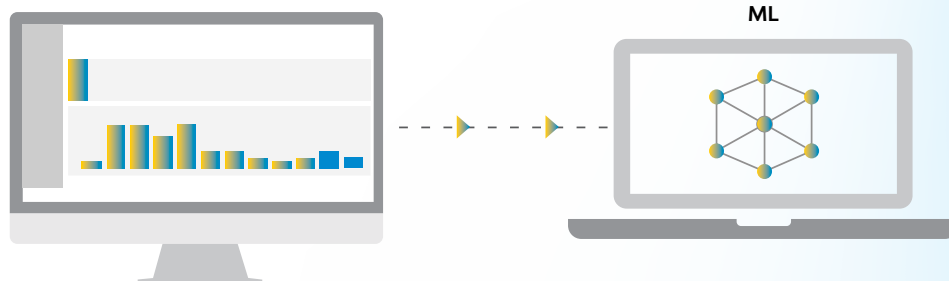
Serverless Compute

Total Cost

Cost Monitoring with PolarSled FinOps

The second pillar is Cost Monitoring, and it provides a multi-dimensional view of the costs by account, users, consumption type, virtual warehouse, etc. The cognitive capability of the tool enables users to predict future costs. With 60+ dashboards and interactive insights such as cost per query that helps understand an approximate cost of individual queries, user zones that classify high/medium/low-risk users, etc. enables the tool to deliver a 360-degree understanding of cost consumption of your Snowflake platform.
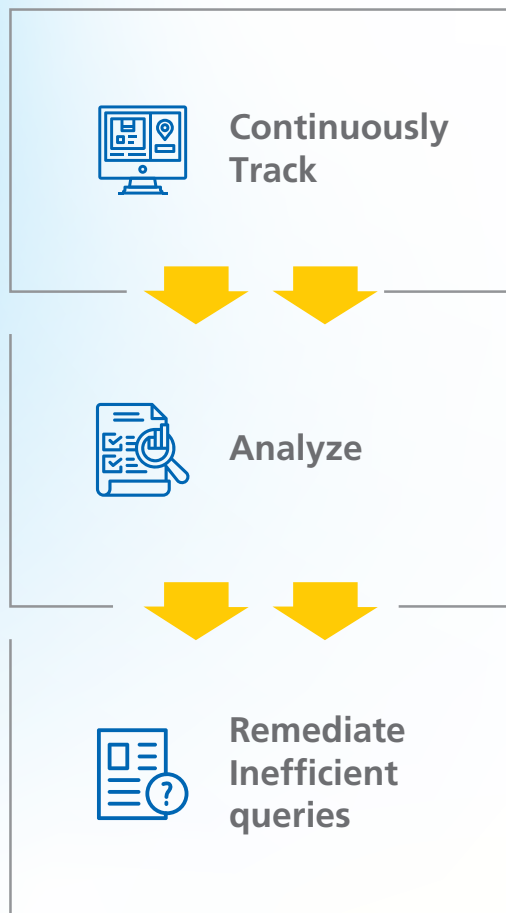
Cost Control with PolarSled FinOps

The third pillar of cost management of FinOps is cost control, which allows users to apply automated controls to ensure costs are inline. FinOps Cost Control tool enables customers to create cost containment zones to ensure costs are in line with the defined limits. The tool also highlights any Snowflake Account Parameters that aren't optimally matched with cost goals recommended by Snowflake, allowing them to be rectified.

ML

ML- based Predictive dashboard

Cost Optimization with PolarSled FinOps

Cost Optimization is the fourth pillar of FinOps, it aims to continuously track, analyze, and remediate inefficient queries, which are potential queries users need to concentrate on to optimize and save cost.

Continuously Track

Analyze

Remediate Inefficient queries

Cost Best Practices with PolarSled FinOps

LTIMindtree FinOps Framework provides cost management best practices and benchmarking, which is the fifth pillar. These best practices are synthesized from 100s of use cases LTIMindtree has implemented on Snowflake and represent the cumulative knowledge of Snowflake engineers and architects. The tools can be used to assess a given Snowflake Platform automatically against the benchmarked best practices generating a health score at regular intervals. The tool also provides daily persona-based dashboards and key event alerting as part of best practice tooling.

Key Benefits

Leveraging the power of the PolarSled FinOps, our focus is on providing organizations with invigorating business outcomes such as:

1 Optimize overall cost by **10-20%**

2 Optimize the cost governance effort by **30%**
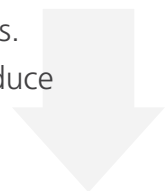
3 Leveraging reusable **components of FinOps**.

Revenue

Increase in overall return on investment (R.O.I). Decrease in overall ependiture on Snowflake. Get the maximum value of your Snowflake data cloud investment.

Cost

Estimate your Snowflake cost Monitor the cost parameters of your account. Control credit Utilization by warehouses. Optimize queries and reduce overall cost.

Clients/ Customers using FinOps module

One of the
leading banks
in the US

Top
manufacturing
company in the US

Beverage
company in
the US

Swedish
financial services
company