



# Migration from Oracle to Snowflake



## What We Offer

Organizations are moving away from Oracle due to its high licensing and support costs, rigid on-premises architecture, and complex performance tuning requirements. Scaling an Oracle database often requires costly hardware upgrades and manual indexing and partitioning, making it inefficient for modern, high-volume workloads. Additionally, PL / SQL-based ETL processes and batch-oriented data pipelines can slow down analytics, limiting agility in decision-making.

Migrating to Snowflake allows businesses to take advantage of a cloud-native, fully managed platform that automatically scales storage and compute independently, eliminating the need for manual performance tuning. Snowflake's multi-cluster architecture enables instant, elastic scaling, while its automated indexing and query optimization improve performance without DBA intervention. Unlike Oracle, which requires schema modifications for partitioning, Snowflake's micro-partitioning and automatic clustering optimize data storage and retrieval seamlessly. Its native SQL support, zero-copy cloning, and continuous data sharing streamline ETL and ELT workloads, providing a cost-efficient, highly scalable, and agile environment for modern data warehousing, real-time analytics, and AI-driven insights.

### What our customers are saying

I would want to mention Persistent. They came up with a lot of good design suggestions on how we should develop the data platform and the solutions on top of it. The insights product, which I talked about is done along with their help. So, I'm very happy with the partnership I have with Persistent and Snowflake.

**Sachin Dhoot**

Vice President – Data and Platform Engineering at Ellie Mae

## Why Snowflake?

### Piecemeal Policies to Universal Governance

Inconsistent governance policies across systems and users can introduce security risk to your data. Switch to a single governance model with comprehensive compliance, security, and privacy controls that are universally enforced.

### From Endless Silos to Unified Data

Silos lead to complexity and moving data to get value. Switch to a single platform to access all data, including data that's unstructured, in open formats, and from third parties.

### Accelerate AI Success

Use Snowflake Cortex AI to quickly analyze text data and build AI applications with fully managed, industry-leading AI models, LLMs and vector search.

### Turn Models into Interactive Applications

Bridge the gap between AI and business value by using Streamlit's rich, open-source library to quickly build apps with Python. Deploy and share these apps in just a couple clicks, leveraging the scale, performance and security of the Snowflake platform.

### Hidden Costs to Superior Total Cost of Ownership

When you have multiple services, costs can add up and it can become hard to understand total operating costs. Switch to a fully managed service to efficiently support users and workloads at scale, while reducing time, effort, and expertise required to operate.

## Key Use Cases

### Modernizing Data Pipelines

Snowflake provides native support for structured, semi-structured (JSON, Avro, Parquet), and unstructured data, enabling easier data processing and transformation.

### Simplified Security and Compliance

Snowflake's built-in security features, including automatic encryption, access controls, and compliance with major standards (e.g., GDPR, HIPAA), provide an easier and more secure environment for handling sensitive data.

### Real-time Analytics and Business Intelligence

Ability to process large datasets in near real-time, along with integration with BI tools like Tableau and Power BI, allows users to run complex queries and create up-to-date dashboards.

### Cloud-Native Data Warehousing

Allows an organization to scale storage and compute resources independently, significantly improving performance and cost efficiency.

## About Snowflake

A single, fully managed platform that powers the AI Data Cloud. Snowflake securely connects businesses globally across any type or scale of data to productize AI, applications and more in the enterprise. With the AI Data Cloud, you can collaborate locally and globally to reveal new insights, create previously unforeseen business opportunities, and identify and know your customers in the moment with seamless and relevant experiences.

## About Persistent

Persistent Systems (BSE & NSE: PERSISTENT) is a global services and solutions company delivering Digital Engineering and Enterprise Modernization to businesses across industries. With over 24,500 employees located in 19 countries, the Company is committed to innovation and client success. Persistent offers a comprehensive suite of services, including AI-enabled software engineering, product development, data and analytics, CX transformation, cloud computing, and intelligent automation. The Company is part of the MSCI India Index and is included in key indices of the National Stock Exchange of India, including the Nifty Midcap 50, Nifty IT, and Nifty MidCap Liquid 15 as well as several on the BSE such as the S&P BSE 100 and S&P BSE SENSEX Next 50. Persistent is also a constituent of the Dow Jones Sustainability World Index. The Company has achieved carbon neutrality, reinforcing its commitment to sustainability and responsible business practices. As a participant of the United Nations Global Compact, Persistent is committed to aligning strategies and operations with universal principles on human rights, labor, environment, and anti-corruption, as well as take actions that advance societal goals. With 327% growth in brand value since 2020, Persistent is the fastest-growing IT services brand in the 2024 Brand Finance India 100 Report.

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