Deloitte.

Informatica

snowflake

Your path to data
modernization

**Enabling automation-led cloud migrations
with Deloitte, Informatica, and Snowflake**

Leave behind your legacy on-premises data and analytics
ecosystem, siloed data, and disjointed technology strategies
to increase efficiencies and save your organization money.
The benefits of moving to a modern data platform in cloud
outweigh the risks, but it can be daunting, and a troubled
initiative can disrupt the enterprise. Deloitte's Migration
Factory offering with Informatica and Snowflake is your end-
to-end solution for mitigating risk in cloud migration journey
while expediting your move to a future-state platform.

The market leaders in cloud migration

New data capabilities and cognitive tools are unleashing innovation and efficiencies that drive competitiveness and opportunity. The potential in AI at scale thrives on trusted data, but too often, enterprises are expending valuable time and money just running and maintaining legacy technology. The imperative is to bring your data and processes together with a best-in-class cloud data platform that enables data democratization and drives innovation across the enterprise.

But the path to the cloud is challenging. In many cases, complexity in systems was introduced over time as business needs evolved, and unwinding this complexity is made harder because so much of it is unknown at the outset. Meanwhile, there is often little or even no documentation for existing processes, and those that do exist are outdated. When moving data assets to a new platform, processes need to be reverse engineered, which is time intensive. And amid this, the business does not stop evolving during migration; it is a moving target from which to migrate.

Deloitte provides you with a trusted pathway to cloud migration where risk is minimized and returns on investment are expedited. Deloitte's Migration Factory offering offers a proven cloud migration solution leveraging the best of the breed capabilities of Snowflake and Informatica. Our approach helps you achieve fast and efficient large scale migration to realize your business case's greatest agility, cost reduction, and expectations.

Deloitte brings together the Informatica and Snowflake advantage

Migration to Snowflake requires dealing with complex legacy data structures in a multifaceted technology ecosystem, but Deloitte can help. Deloitte is a Snowflake Elite Services Partner, which recognizes our deep knowledge of Snowflake's Data Cloud, its capabilities, and legacy technologies to navigate considerations for translation between your current and future platforms. We understand the data intricacies within legacy platforms, the common migration challenges that arise, and bring a proven approach that can deliver continuous business value.

Deloitte has more than 3,000 practitioners experienced in Informatica products, including supporting the move from PowerCenter to Informatica Intelligent Cloud Services (IICS) using automation. As you modernize your on-premises data platforms and migrate them to the cloud, let Deloitte help you move to IICS, a comprehensive, cloud-native, microservices-based, API-driven, and AI-powered enterprise cloud data management platform. Deloitte can help you leverage IICS, including Informatica's AI-driven Enterprise Data Catalog, Intelligent Data Quality, and other components of Informatica's Intelligent Data Management Cloud (IDMC), to transform your data management capabilities through data migration with Snowflake.

Deloitte's Migration Factory offering

With Deloitte and Snowflake and Informatica, you are guided through a streamlined, reliable journey to a modernized data platform. Across three phases, our automation-led approach mitigates risk and accelerates delivery. Here is how we do it.

PHASE 1

Migration strategy and planning

Process and planning drive the effort, and we begin by assessing current state capabilities and limitations to design the target state architecture, establish the business case, and detail the migration roadmap. Using Deloitte's Greenhouse® Breakthrough Labs, we help you define your vision and priorities and prepare to use automation to dramatically decrease the time needed to complete core migration activities. We use a tool-driven approach to conduct bottom-up analysis to capture hard data points critical in planning, and with far greater visibility into the existing architecture than is traditionally possible, we are better able to mitigate risk in the migration (see graphic).
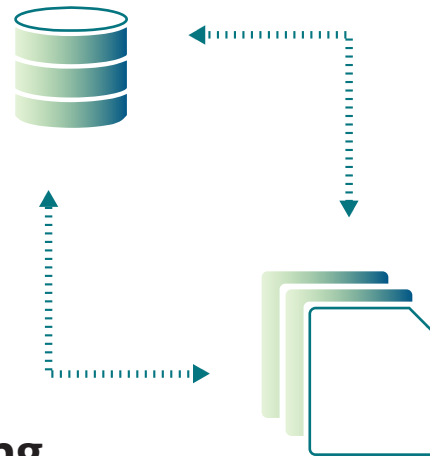
PHASE 2

Rehost, enhance, and optimize

With a clear plan, priorities, and understanding of your data, we take an automation-first approach for implementing your migration roadmap. Here we setup baseline cloud environment, migrate legacy workloads, conduct integration testing, and sunset the legacy system. We also refactor application design to become cloud-native, supporting new use cases and capabilities while executing parallel runs between the legacy and new platforms, certifying the data with reconciliation testing. And because we stay focused on automation rather than reverting to manual approaches, we move quickly, achieving in months what otherwise can take years. By using automation, we can achieve up to a 95 percent reduction in duration for code migration analysis, up to a 75percent reduction for legacy code conversion, up to a 75 percent reduction in time for ETL code conversion, and more.
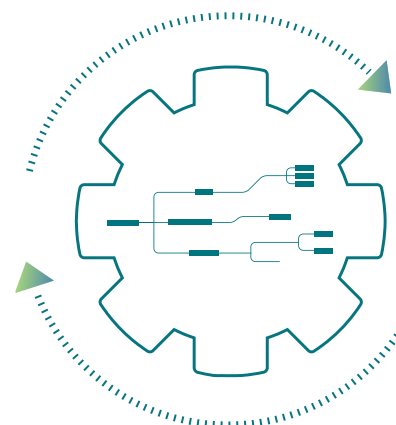
MIGRATION STAGE	EFFORT* 0–100	DIGITAL ASSETS
CODE MIGRATION ANALYSIS	5 — 95% reduction	SNOWFLAKE MRA DELOITTE UNDIAL RE
LEGACY CODE CONVERSION	25 — 75% reduction	IICS MIGRATION ACCELERATOR
ETL CODE CONVERSION	25 — 70% reduction	DELOITTE CODE CONVERTER IICS MIGRATION ACCELERATOR
TEST DATA GENERATION	25 — 75% reduction	DELOITTE DMASK
HISTORY DATA—BULK COPY	35 — 65% reduction	DELOITTE MIGRATOR
PARALLEL RUN— DATA RECONCILIATION	40 — 60% reduction	DELOITTE BIG DATA TEST ENGINE
PARALLEL RUN— REPORT RECONCILIATION	30 — 70% reduction	DELOITTE DATA X-RAY

Effort with automation   Standard effort

*Effort reduction may vary from project to project based on different factors including Tech BOM involved

Data and analytics ops

Thriving on the new platform, you are positioned to seize new efficiencies as you scale platform usage only when needed to support modernized processes and applications. We deliver support after go-live to address issues that arise and work with you going forward to provide end-to-end data life cycle monitoring, processing, and operational support. In this, we help you focus on continuous innovation and improvement, seeking opportunities to optimize your platform for cost and performance. Through this you derive cost savings that can be reinvested in innovation and new use cases throughout the enterprise.

Your end-to-end solution

Our Migration Factory approach is a top choice for your data modernization project. Deloitte and Snowflake and Informatica as an end-to-end solution for cloud migration maximize efficiency, minimize risk, and deliver on your timeline.

Maximum efficiency, minimized risk: Achieve expedited and efficient migration to realize the greatest agility, cost reduction, and expectations of your business case.

Overcome complexity: Transform with confidence as we bring the knowledge and tools to make sense of the data, familiarity with technology platforms, and the technical mastery to deliver targeted results.

Transformation for scale: Modernize processes and applications to dynamically scale platform usage as needed and do so in a way that optimizes your use-to-cost ratio.

Realize the business case: Our Migration Factory offering is an automation-first approach that expedites your transformation, and the project can pay for itself by replacing expensive ecosystems.

Ready for a future with AI: With Snowflake's Data Cloud—that can power a near-unlimited number of concurrent workloads and secure data sharing—you can realize reduced costs for running and maintaining the data platform, savings that can be reallocated for investment in emerging capabilities like AI and machine learning.

Migrating data workloads to cloud

Integrate every part of your connected business with Deloitte, Snowflake, and Informatica Intelligent Cloud Services (IICS)

The data traveling across your hybrid, multi-cloud, and on-premises systems must be seamlessly connected, managed, trusted, and secured. IICS provides a cloud-native data modernization solution for PowerCenter customers. Deloitte can help you realize the value of automating the modernization of PowerCenter to IICS to deliver greater agility, better performance, reduced cost, and reduced risk. Moving to IICS gives you a faster path to data modernization with Snowflake.

Migrating from PowerCenter to IICS

Deloitte and Informatica will partner to apply automation and accelerate the migration of ETL pipelines from PowerCenter to IICS using the Migration Factory approach

| Phase 1—Migration strategy and planning	Phase 2—Rehost, enhance and optimize		
CONVERSION ASSESSMENT	**ETL CONVERSION**	**TESTING**	**DEPLOYMENT**
Complete assessment of the PowerCenter inventory using IICS Migration Accelerator to identify assets to be converted automatically and determine conversion efficiency	Execute automated bulk data loads for initial history data migration Convert PowerCenter code to IICS through auto-conversion or manual conversion	Conduct integration tests, functional and user acceptance test using parallel runs to validate that converted code is working as expected	Perform deployment and cutover activities

IICS Migration Accelerator will be used to assess and migrate compatible PowerCenter code to IICS at scale using automation. Conversion assessment of the PowerCenter repository will tag mappings for automated conversion or manual conversion.

Case studies in excellence

Our Migration Factory offering is your path to value. Some of the largest, most complex enterprises in the world are our studies in excellence.
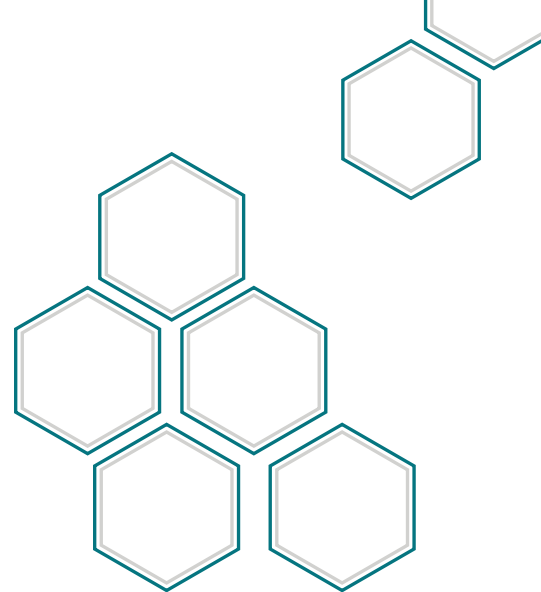
**Accelerating the move from PowerCenter to IICS on Snowflake**
A major US-based health insurance company initiated a multi-year program to move data assets to the cloud to address issues with fragmented and inconsistent data, inefficiencies in ingesting data, and lack of standards in data management that led to high operational costs.

In this transformation journey, Deloitte's approach focused on migrating to a single cloud warehouse built on Snowflake, implementing a metadata driven data ingestion framework and building business centric data models to drive data consumption. Deloitte worked with Informatica and applied the automation-led Migration Factory Approach to accelerate the migration of legacy Informatica PowerCenter workloads to IICS in the cloud to achieve this vision. Deloitte also worked with Snowflake to combat the challenges of cloud modernization to achieve faster transformation.

Deloitte's joint solution with our alliances enabled the company to ingest over 1000 sources for 3+ million members to provide faster and efficient access to data. The company achieved a brand-new cloud infrastructure and created a centralized destination for data, exploratory analytics, and data science while saving on operating costs by reducing technical debt in on-prem systems.

Bringing success through our automation-led approach with AI
A company with one of the largest Teradata footprints faced a data ecosystem that was highly complex, unintegrated, and expensive to scale and maintain. The company envisioned transformation to a cloud platform that could support AI and advanced analytics, democratize data, and enable agility. Deloitte worked with the enterprise to select a primary data platform (in this case, Snowflake), tested it with two high business value use cases, and developed the roadmap to reach the future state. With close client engagement throughout, Deloitte's Migration Factory offering minimized demands on client squads and user disruption, and our automation-led approach reduced duration and mitigated risk of human error. As a result, the company saw millions of dollars in projected annual cost savings, the sunset of legacy platforms, the integration of data on a single platform, and shorter time-to-market for implementing new business use cases.
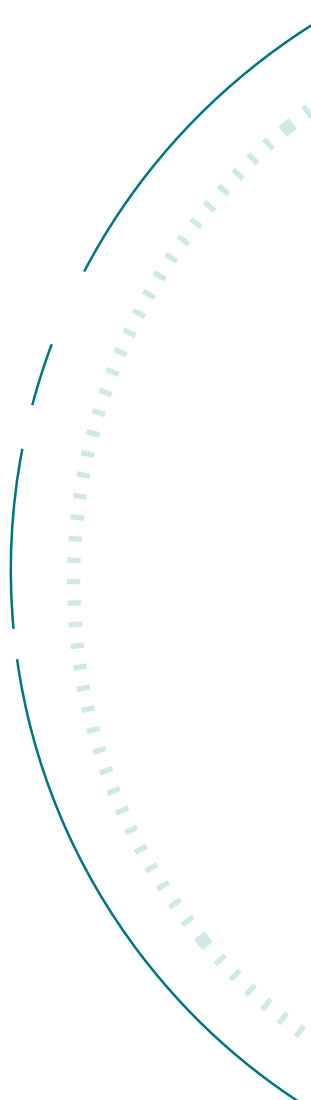
Let the journey begin

The time is now to modernize data, reduce operating and maintenance costs of legacy technology, and enable the automation, insight, and engagement possible with best-in-cloud capabilities. Deloitte's Migration Factory offering enables an efficient and reliable means to get to that future state vision.

Ready to get started? Please reach out to discuss how Deloitte, Informatica, and Snowflake can help you reach your future-state platform with confidence.

Get in touch

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About Informatica
With more than 14 years of partnership, Informatica and Deloitte have served more than 130 clients within the Analytics & Cognitive portfolio. The Deloitte and Informatica alliance combines Deloitte's experience in information management with Informatica's industry-leading software. We bring an extensive set of capabilities that involve reporting applications, portals, information delivery, and basic, as well as advanced, analytics—all grounded in a deep understanding of the business issues that drive the industries and sectors we serve.

About Snowflake
Snowflake delivers the Data Cloud—a global network where thousands of organizations mobilize data with near-unlimited scale, concurrency, and performance. Inside the Data Cloud, organizations unite their siloed data, easily discover and securely share governed data, and execute diverse analytic workloads. Wherever data or users live, Snowflake delivers a single and seamless experience across multiple public clouds. Snowflake's platform is the engine that powers and provides access to the Data Cloud, creating a solution for data warehousing, data lakes, data engineering, data science, data application development, and data sharing. Join Snowflake customers, partners, and data providers already taking their businesses to new frontiers in the Data Cloud at Snowflake.com.

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