digitide

Modernization Measured: Insights of Migration into Microsoft Fabric

The Shift from Legacy to Microsoft Fabric

In today's data-driven economy, the limitations of legacy systems are no longer just technical hurdles, they are business inhibitors. Enterprise data estates are currently undergoing a our massive migration away from rigid, high-maintenance legacy systems. Digitide's analysis of our implementations confirms that organisations are no longer content with lift-and-shift strategies. Instead, they are seeking unified environments to collapse the distance between raw data and actionable AI.

Primary Migration Trends

The Legacy Starting Point

Our data reveals that the most common legacy systems currently being phased out in favor of modern cloud architectures include:

Primary Sources	Secondary Sources
Informatica, DataStage, and Oracle	High-volume systems such as Hive and DB2.

Leading Stock Exchange in Asia

Modernized from Greenplum, Informatica, and UNIX to Snowflake with Airflow

UK Leading Shipping and Logistics Company

Upgraded from Azure Data Lake to Azure Data Lake Gen 2

US Defense Industry Corporation

Transitioned from IBM DB2 to Databricks

Global Major Healthcare Provider in the US

Consolidated Talend and Informatica into Snowflake

Leading US Medical Technology & Solution Company

Migrated from SAP HANA to Snowflake

Strategic Insights: Why Microsoft Fabric?

While Databricks, PySpark and Snowflake remain popular, Azure **(utilizing Fabric components)** is a preferred destination for **9% of total implementations**. These projects typically leverage:

Framework-Driven Approaches	Unified Ecosystems
Ensuring scalable, re-engineered data models rather than simple lift-and-shift operations.	8% of implementations specifically focus on modernizing transformation layers using DBT within the Azure ecosystem.

Preferred Modern Cloud Destinations

Databricks

Stands out as the top modernization destination, with **29%** of implementations delivered using a re-engineering & framework-driven approach.

Azure

9% of implementations, highlighting its use as a preferred cloud platform in selected projects, utilizing combinations of DBT, Synapse, and others.

PySpark

17% of total implementations, making it a strong choice for scalable processing.

Snowflake

13% of implementations, showing strong adoption for cloud-native data warehousing.

DBT

8% implementations, reflecting its growing role in data transformation and modeling.

AWS

6% of implementations, AWS offers flexibility through native services and integrations, enabling scalability and rich ecosystem.

GCP

5% of implementations, GCP stands out for its advanced analytics and AI-driven capabilities, enabling innovation-focused deployments.

Derived Insights on Maximizing Migration Value

To achieve a successful migration, the data from our previous implementations suggests three key success factors:

High Automation is the Standard:

Achieving over 90% automation is possible and is a benchmark for success in reducing human error and technical debt.

Cost Efficiency through Re-engineering:

Cost savings are most significant when moving away from high-maintenance legacy licenses to consumption-based cloud models.

Timeline Aggression:

Rapid assessment and pilot phases (often as short as 1-2 weeks) are essential to proving value before full-scale rollout.

Performance Metrics and Results

Digtide's methodology delivers industry-leading results. Across our projects, we have achieved:

Automation Levels

Up to **75%** automation in migration scope (as seen in the Medical Technology sector)

Cost Reductions

Significant savings, reaching as high as **78%** in total cost of ownership **(TCO)** for defense and energy sectors.

Accelerated Timelines

- **Full Migrations:** Completed in as little as 1 month (after assessment and discovery) for Fortune 200 energy companies.
- **Rapid Pilots/POCs:** Validated in 2 weeks for major healthcare providers.

Snapshot of High-Impact Case Studies

US Medical Technology & Solutions

Successfully migrated over **700 units** of scope to the cloud, driving strong cost efficiencies and scalable transformation.

US Defense Industry Corporation

Delivered large-scale migration across **1900+ units,** enabling significant cost optimization at enterprise scale.

Global Healthcare Provider

Showcased the strength of Azure-native tools through a high-impact pilot, establishing a strong foundation for scalable digital transformation.

Future-Proofing Data with Digitide

Modernization is no longer a question of a technical upgrade but a strategic pivot. The data from Digitide's previous implementations proves that moving to Microsoft Fabric is the most effective way to secure a 78% reduction in overhead and a **75%** increase in procedural accuracy. By leveraging proven automation frameworks, enterprises can bypass the traditional risks of migration and move straight to the value phase of their cloud journey.

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