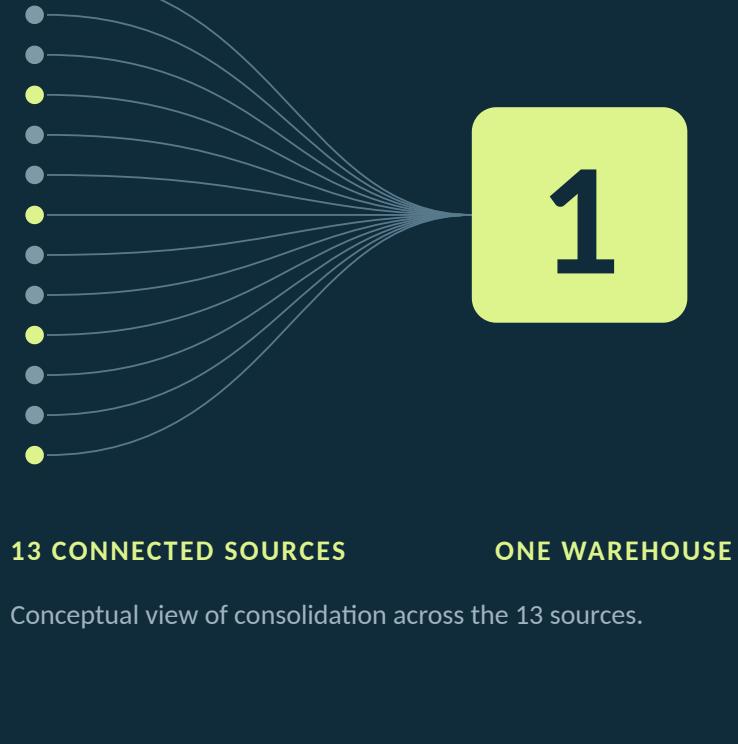


TRANSPORTATION & LOGISTICS

13 data sources.
One place to work
with them.

How IMSKC connected the information behind a business
operating across 51 locations.

AWS + SnowflakeData integrationManaged services



13 CONNECTED SOURCESONE WAREHOUSE

Conceptual view of consolidation across the 13 sources.

13
CONNECTED SOURCES

51
LOCATIONS

1
SHARED WAREHOUSE

01 / THE BUSINESS PROBLEM

Before IMSKC

One business question.
Several places to look.

From separate reporting workflows to a secure, structured data platform built for
the next stage of growth.

AN EVERYDAY REPORTING SCENARIO

Compare financial performance and
employee time across three locations.

Illustrative request based on the client workflow; not a client quotation.

- 1

Find the information
Log into the relevant platforms and locate the records.
- 2

Pull it together
Download exports and organize information across locations.
- 3

Build the report
Assemble a presentable view before analysis can begin.

WHY IT MATTERED

The business wanted to grow. Its reporting process still depended on people gathering
and preparing information from separate systems.

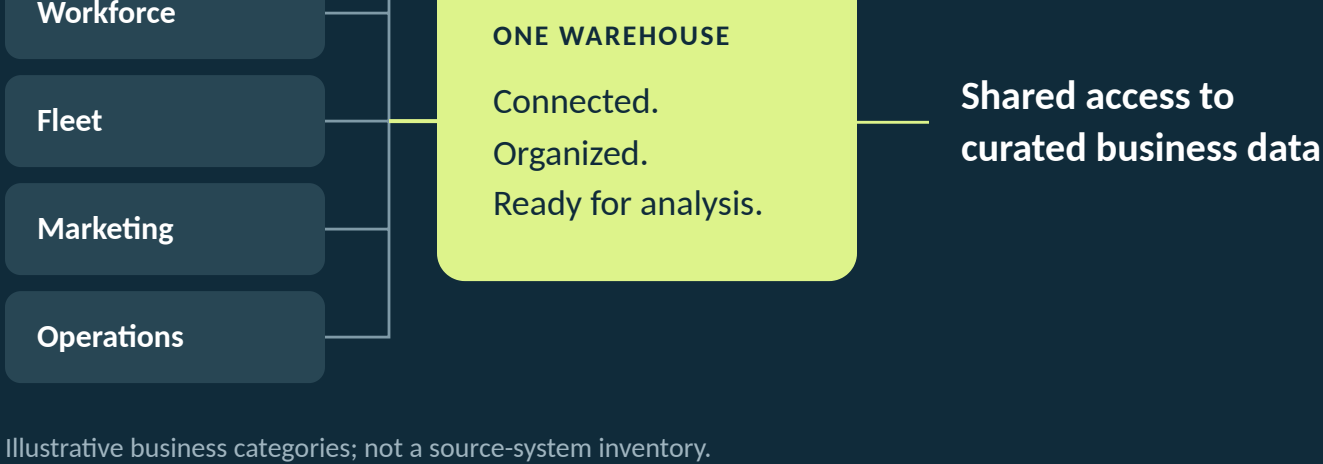
02 / CONNECT THE INFORMATION

The solution

From separate systems
to a shared starting point.

IMSKC built an AWS and Snowflake warehouse that collects, validates, and
organizes data from 13 sources for authorized reporting users.

MANY BUSINESS AREAS. ONE DATA FOUNDATION.



Illustrative business categories; not a source-system inventory.

01 Collect automatically

Lambda and EventBridge automate
extraction; S3 organizes incoming data.

02 Make the data usable

Glue validates and transforms data;
Snowflake separates processing and
reporting layers.

03 Protect access

IAM, encryption, Snowflake roles, row
policies, and masking govern access.

04 Keep it supported

CloudWatch alerts and Snowflake
resource monitors support reliability and
cost control.

Core platform: AWS + Snowflake. Source applications remain in use.

03 / INSIDE THE PLATFORM

AWS + Snowflake

Engineered from source
to reporting-ready data.

The architecture combines custom integrations, controlled data processing, and
distinct Snowflake layers. Each stage has a defined role in turning source
information into usable business datasets.

01 Extract & orchestrate

AWS Lambda supports API extraction, validation, and
event-driven processing. EventBridge schedules recurring
polling and workflow triggers. Integrations include REST
APIs, Stripe webhooks, NetSuite SuiteTalk, and a
Snowflake Secure Share.

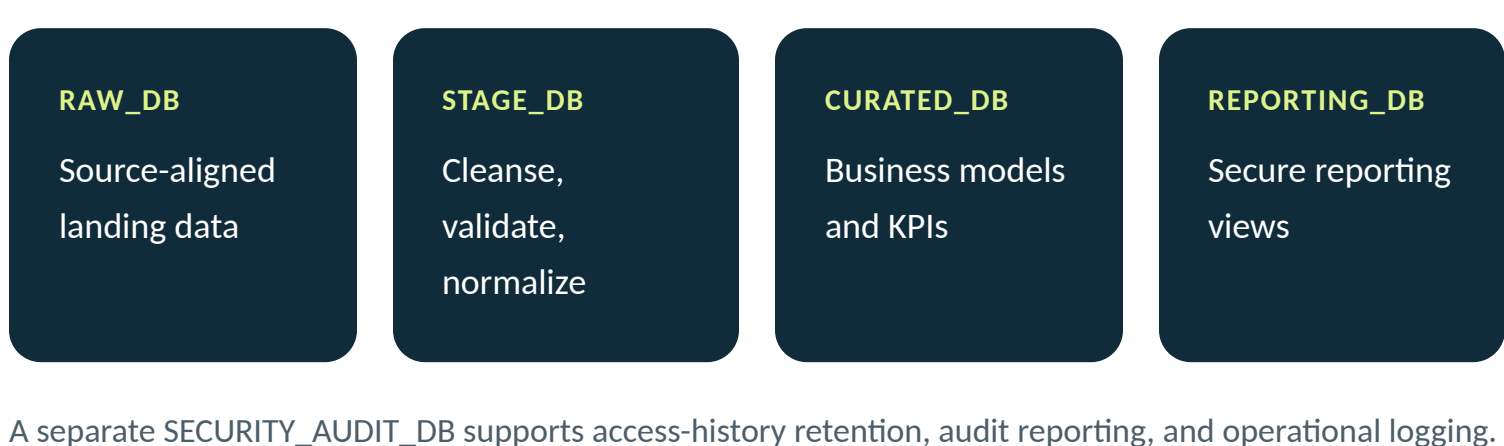
02 Land & prepare

Amazon S3 separates landing, raw, archive, and exception
zones, with encryption, versioning, and lifecycle policies.
AWS Glue jobs and the Data Catalog support schema
discovery, transformation, metadata, and validation.

03 Load & govern

Snowpipe loads staged data into Snowflake. External
stages and storage integrations use IAM trust relationships
to connect securely to S3. Pipelines include validation,
retry logic, exception handling, logging, and monitoring.

04 / STRUCTURE THE DATA FOR ITS NEXT USE



A separate SECURITY_AUDIT_DB supports access-history retention, audit reporting, and operational logging.
The reporting layer prepares data access for BI tools; business dashboards remain phase two.

04 / BUILT TO OPERATE

Security + care

Connection is
only the beginning.

The platform also needs protected information, visible failures, controlled spending,
and a team equipped to operate it.

01
Protect

AWS IAM, Secrets Manager, and KMS
support least-privilege access, credential
rotation, and encryption. Snowflake adds
SSO, MFA, role-based access, row
policies, dynamic masking, and secure
views.

02
Observe

CloudWatch centralizes logs, metrics,
and alarms. CloudTrail records API and
administrative activity. Snowflake
monitoring covers Snowpipe health,
failed loads, data freshness, query
performance, and storage growth.

03
Control

Separate Snowflake compute
warehouses support loading,
transformation, reporting, ad hoc
analysis, and sandbox work. Auto-
suspend, auto-resume, credit limits, and
resource monitors govern consumption.

04
Prepare

Unit, integration, acceptance, and
production testing support delivery.
Architecture and security
documentation, runbooks, disaster-
recovery procedures, administration
guides, and knowledge transfer support
handoff.

A PLATFORM THAT STAYS SUPPORTED

Ongoing services include pipeline troubleshooting, warehouse tuning, role and policy
administration, monthly health and FinOps reviews, capacity planning, and quarterly access
reviews.

05 / MOVE THE BUSINESS FORWARD

The value

Less gathering.
More room for analysis.

Phase one changes where reporting work starts. Users can access information from
13 connected sources through one warehouse environment.

BEFORE

Find it. Export it.
Piece it together.

Separate logins and manual downloads
came before analysis.

AFTER PHASE ONE

Start with the
information together.

Shared warehouse access brings data
from multiple business areas into reach.

Built with close coordination.

An eight-week delivery target called for daily standups, clear progress reporting, and direct
collaboration. IMSKC coordinated implementation, testing, and Snowflake user guidance, while
the client supplied system access and business context.

ONGOING SUPPORT

Monthly administration, monitoring,
troubleshooting, security reviews, and cost
management.

NEXT / PHASE TWO

Business dashboards and reporting
experiences built on the shared data
foundation.

Bring your business data together.

Talk to IMSKC about a simpler starting point.

sales@imskc.com / imskc.com

Get in touch

More case studies

HEALTHCARE / MANAGED IT

Independent practice. Connected care.

Hospital-managed IT to an independent,
supported environment.

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MANUFACTURING / CUSTOM SOFTWARE

A global customer base. A closer
connection to their equipment.

A customer portal that brings equipment
information online.

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Healthcare IT

COMPANY

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