



Modern Data Platform Enablement with Microsoft Fabric

Industry: **Retail / Food Service**

*Image for illustrative purposes only

Summary

A leading retail and food service company in Peru launched an initiative to modernize its analytics platform using Microsoft Fabric. The project focused on enabling a unified technology foundation for data storage, processing, analysis, and visualization — supporting the client from licensing evaluation through training, proof-of-concept execution, and post-implementation support.

Key challenges

- Defining the right licensing type and capacity to begin Microsoft Fabric adoption without over-sizing the initial investment.
- Centralizing data capabilities previously distributed across different tools and processes.
- Reducing the internal team's learning curve on services such as OneLake, Lakehouse, Data Factory, Data Engineering, and Power BI.
- Validating the technical feasibility of a modern data architecture under an integrated SaaS model through proofs of concept.

Built on expertise. Driven by people.

Approach

Novacomp supported the adoption of Microsoft Fabric through a practical, incremental approach focused on enabling real, usable capabilities within the platform:

- Advisory on selecting the appropriate Microsoft Fabric licensing and capacity.
- Initial configuration of capacities, workspaces, and core platform components.
- Technical and functional training on OneLake, Lakehouse, Data Factory, Data Engineering, Data Warehouse, and Power BI.
- Execution of proofs of concept to validate ingestion, processing, modeling, and analytical consumption scenarios.
- Post-implementation support to resolve operational questions and strengthen team adoption.

Results

- A modern data platform enabled to support end-to-end analytical scenarios.
- Internal team with stronger functional and technical understanding of Microsoft Fabric.
- Early validation of the platform's potential through practical use cases.
- A technology foundation ready to evolve toward a scalable analytics architecture.

Technologies used

Component	Technologies / Capabilities
Data platform	Microsoft Fabric, OneLake, Lakehouse, Data Warehouse, SQL Analytics Endpoint
Processing and integration	Data Factory, Data Pipelines, Dataflows Gen2, Notebook
Analytics and consumption	Power BI, semantic models, dashboards and reports
Governance and operations	Workspaces, capacities, security, roles, and platform administration



Conclusion

The initiative allowed the company to accelerate its adoption of a modern data platform, reducing technological uncertainty and establishing an operational foundation for new analytics use cases. The main value delivered was building an integrated SaaS architecture while guiding the team through its functional and technical adoption.