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How trino empowers digital services in Pakistan?

Search   I'm feeling lucky

HugoBank

Empowering HugoBank's

digital services through Trino

Agenda

1 Introduction to HugoBank

2 Digital vs. Conventional Banking

3 The Role of Data in Driving Banking Use Cases

4 Enter Trino – Tackling the Data Workload

5 Trino + dbt – Fast-Moving Analytics

6 Trino + Apache Ranger – Secure Data Access

7 Data Ecosystem

HugoBank is a customer centric financial partner that uses data to enhance the customer experience while enabling new business models through partnerships

Digital Disruption

HugoBank is Pakistan's first fully digital bank, operating without physical branches and embracing modern technology.

Financial Inclusion

HugoBank aims to democratize financial services and foster financial inclusion, making banking accessible to everyone.

2024 standing

240+ MILLION

53% EXCLUDED

Leading factor

AWARENESS

Digital vs. Conventional Banking

Conventional Bank

Brick-and-mortar branches with legacy systems, often facing limitations in agility and innovation.

Digital Bank

Fully online operations with modern infrastructure, emphasizing efficiency and speed.

The Role of Data in Driving Banking Use Cases

1 **Regulatory Reporting**

Accurate and timely reports submitted to SBP on daily, weekly and monthly basis. This is crucial to engender a clean audit with SBP.
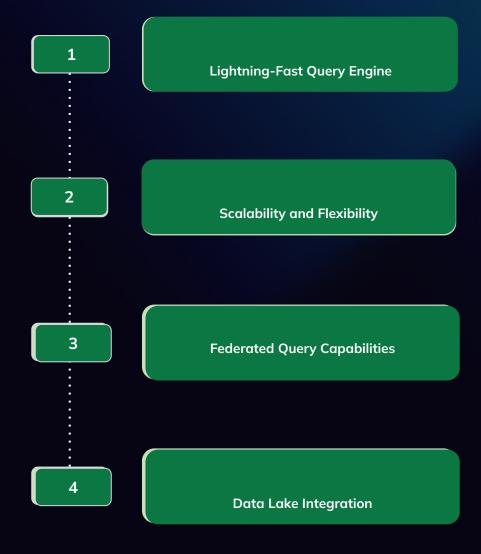
35+
Scheduled

05+
ad-hoc

42+
reports

The Role of Data in Driving Banking Use Cases

2 **Machine Learning**

Risk profiling, credit scoring, and customer segmentation for personalized services.

3 **Product Analytics**

This helps drive innovative products, targeted campaigns to enable a seamless experience regardless of their financial acumen.

7+
number of use cases

25+
metrics delivered

48+
daily insights

6+
risk models supported

1 Lightning-Fast Query Engine

2 Scalability and Flexibility

3 Federated Query Capabilities

4 Data Lake Integration

Enter Trino – Tackling the Data Workload

Unified Query Engine

Supports diverse data sources including S3, RDS, and other data lakes and warehouses.

High Performance

Enables fast, scalable queries across massive datasets, supporting large-scale data analytics.

Trino + dbt – Fast-Moving Analytics

1 — **Query Raw and Transformed Data**

Trino provides efficient querying capabilities for raw and transformed data.

2 — **Reusable Transformations**

dbt facilitates the creation of reusable and modular data transformations, ensuring consistency.

3 — **Self-Service Analytics**

Empowering product teams with access to data insights for informed decision-making.

Trino + Apache Ranger – Secure Data Access

1 Granular Access Control

Fine-grained access control at the database, schema, table, column, and row levels.

2 Protecting PII

Ensuring compliance with regulations like GDPR by securing sensitive personal information.

The Data Ecosystem