

**How Trino & dbt unleashed many-to-many
interoperability at Bazaar**

بازار

Agenda

- Introduction
- Data @ Bazaar
- Problem Statement
- Trino @ Bazaar
- Looking ahead

Speakers



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Engineering Manager



Siddique Ahmad
Data Engineer



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Data Engineer

Introduction

Bazaar is building the most **inspirational** technology company that meaningfully drives **economic growth for Pakistan**

We are the **largest** digital platform for merchants in Pakistan



Impacting
400K+
Businesses

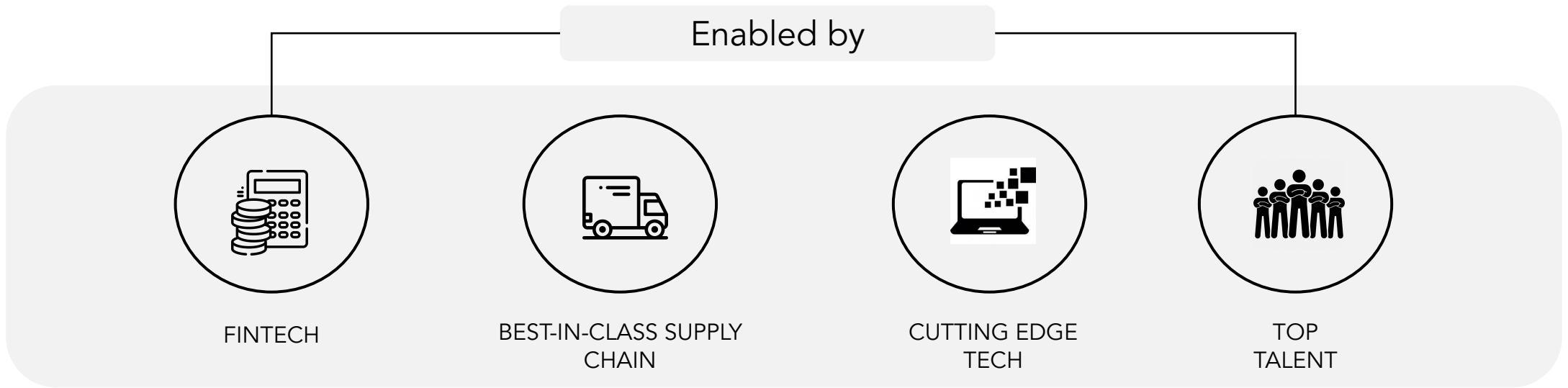


Reaching
15+
Cities

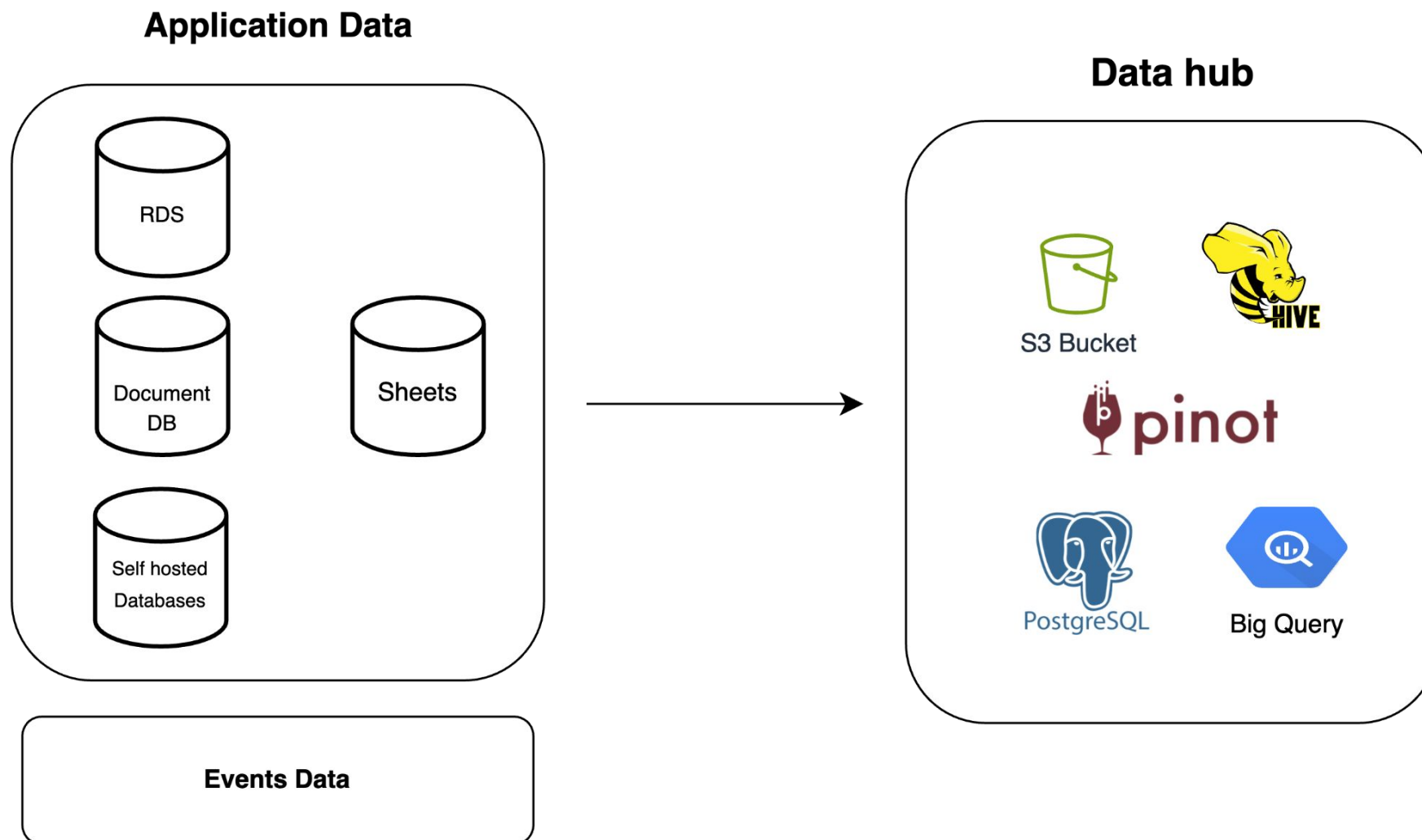


Partnering with
400+
Suppliers

Introduction



Data @ Bazaar



Problem Statement

- **Compute Resource Challenges with Spark**

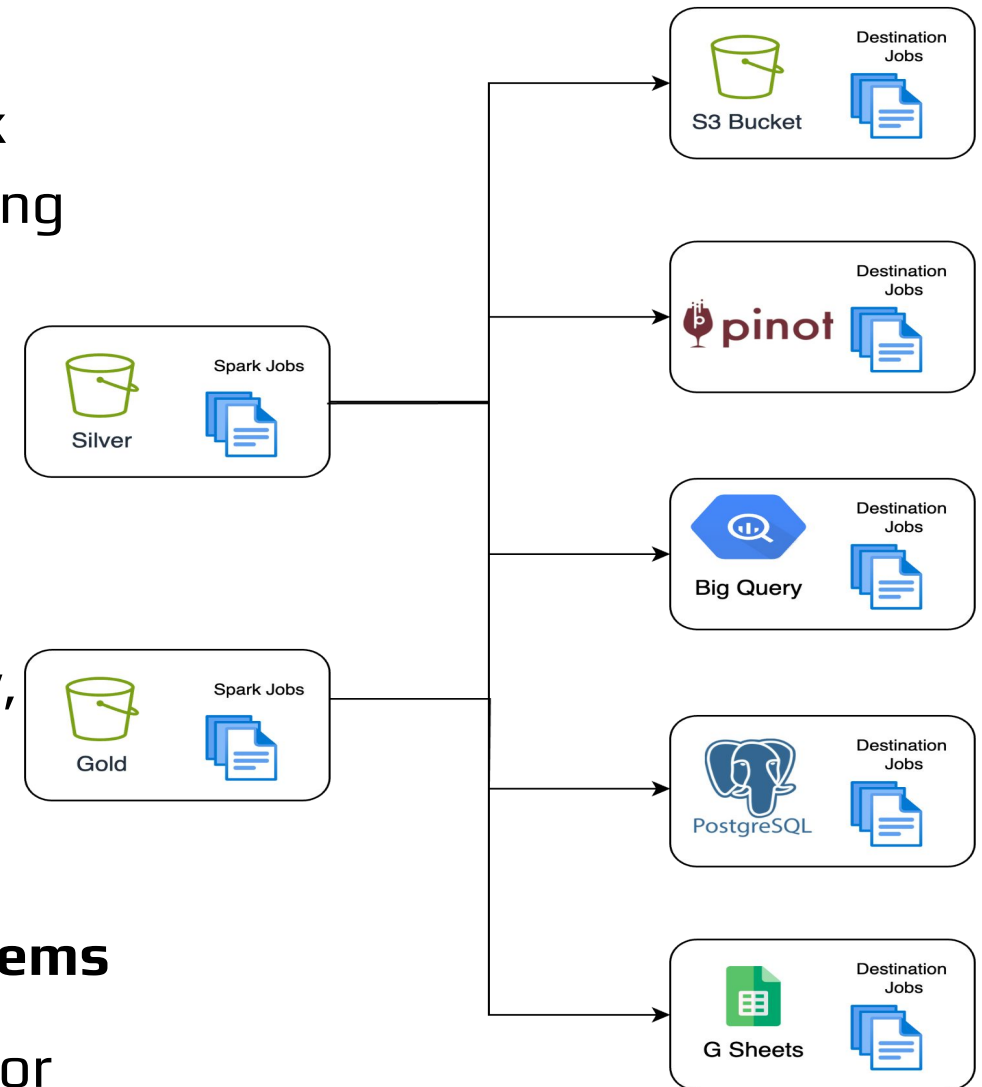
Spark needed high compute power for varying job sizes.

- **Fragmented Maintenance Across Data Products**

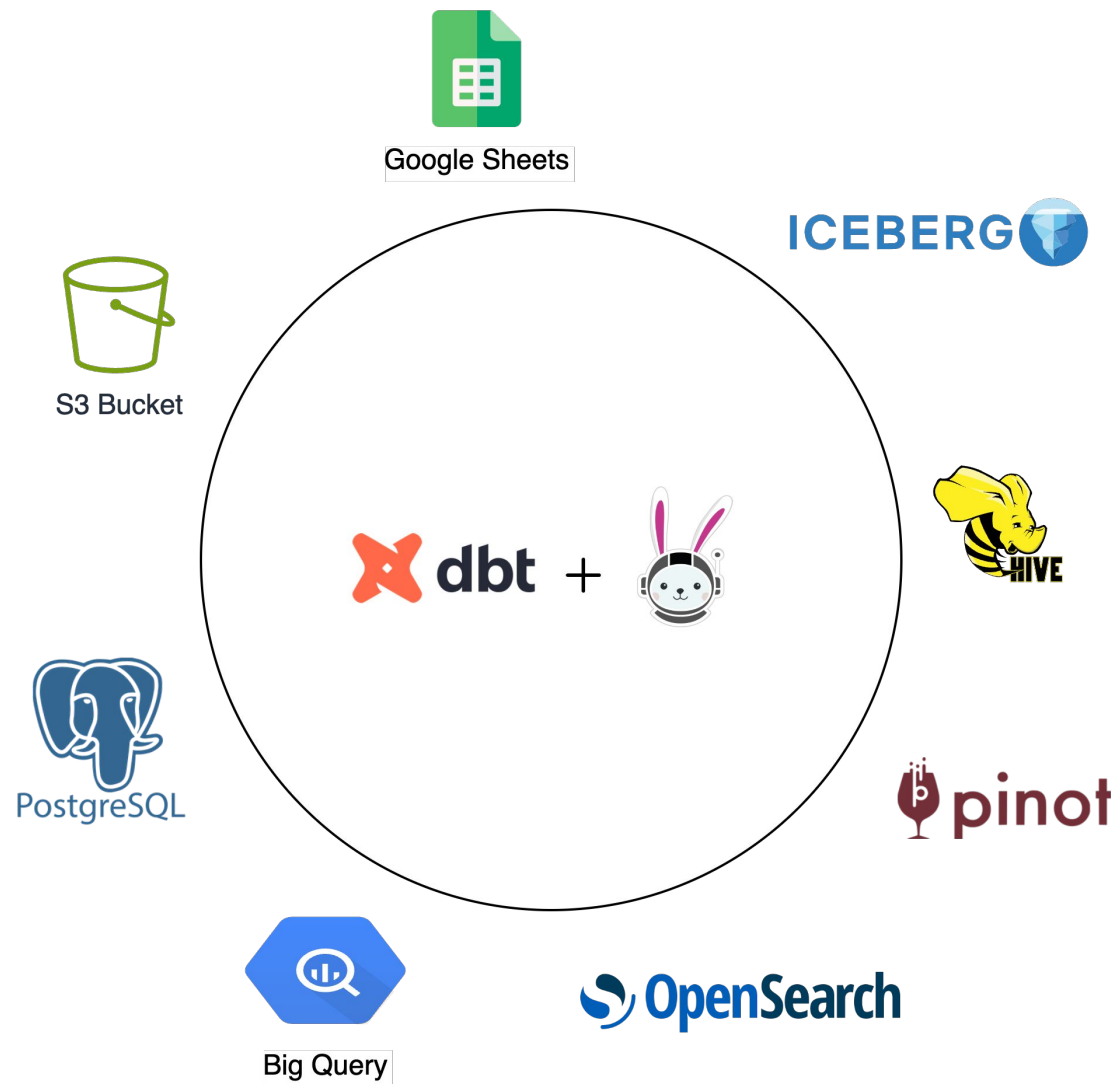
Each data product required individual maintenance, with separate compute resources, resulting in increased complexity, duplication of effort, and inefficiencies in resource management.

- **Custom Connectors for Downstream Systems**

Individual connectors had to be developed for downstream systems.

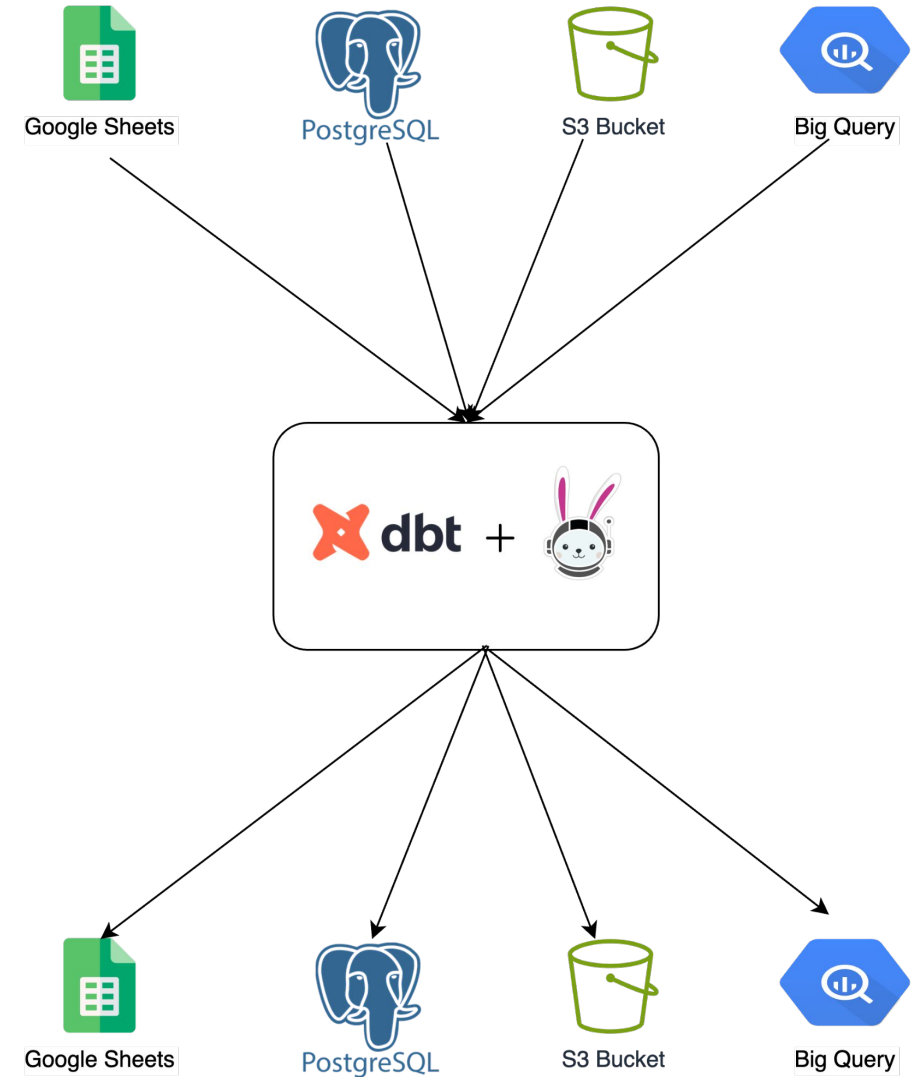


Trino @ Bazaar



Trino @ Bazaar

- Unified Process for Multiple Jobs
- Accelerated Job Execution
- Community-Driven Incremental Enhancements
- Modular Approach to Data Products
- Enhanced Data Discovery and Lineage Tracking
- Improved Data Quality Assurance



Looking ahead

- Trino ML
- Google Sheet (Full refresh Materialization)
- Query Caching

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Thank you

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