Microsoft Fabric

Private Bank

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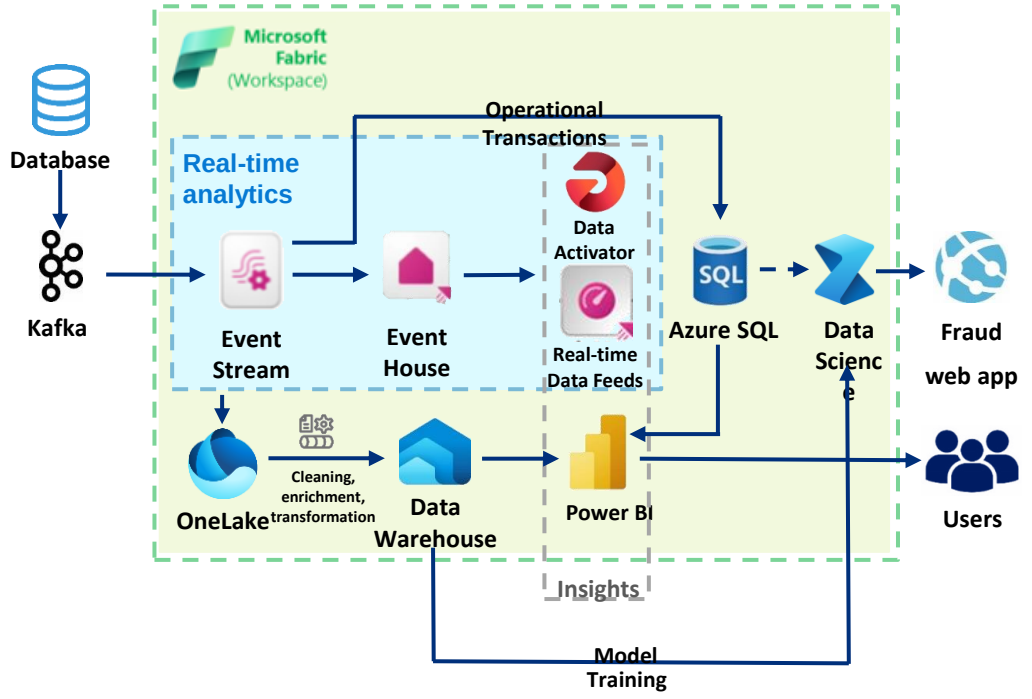
Request and Guidelines Provided

- A private bank faced increased challenges in having a unified solution to identify and mitigate fraudulent credit card transactions
- With the rise in volume of digital transactions coupled with multiple data reference sources, the bank needed a robust, real-time solution hosted on a single platform to detect and prevent fraud while ensuring seamless customer experience

Methodology and Final Deliverable

- We ingested data into Microsoft Fabric using Kafka, Event Stream and hot data was further stored in Azure SQL
- It is further passed though the pre-trained data science model and it reflects in the application basis fraud detection rules
- The data in OneLake is cleaned, transformed and then stored in a Data Warehouse which acts a source for Power BI dashboard and same data is used for incrementally training the data science model
- The fraud web app is used by the fraud detection team to prevent fraudulent transactions, whereas a Power BI dashboard is used for insight generation by respective businesses

Output Snapshot



Microsoft Fabric was used to host a robust fraud detection system improving operational efficiency

salessupport@tresvista.com | www.tresvista.com