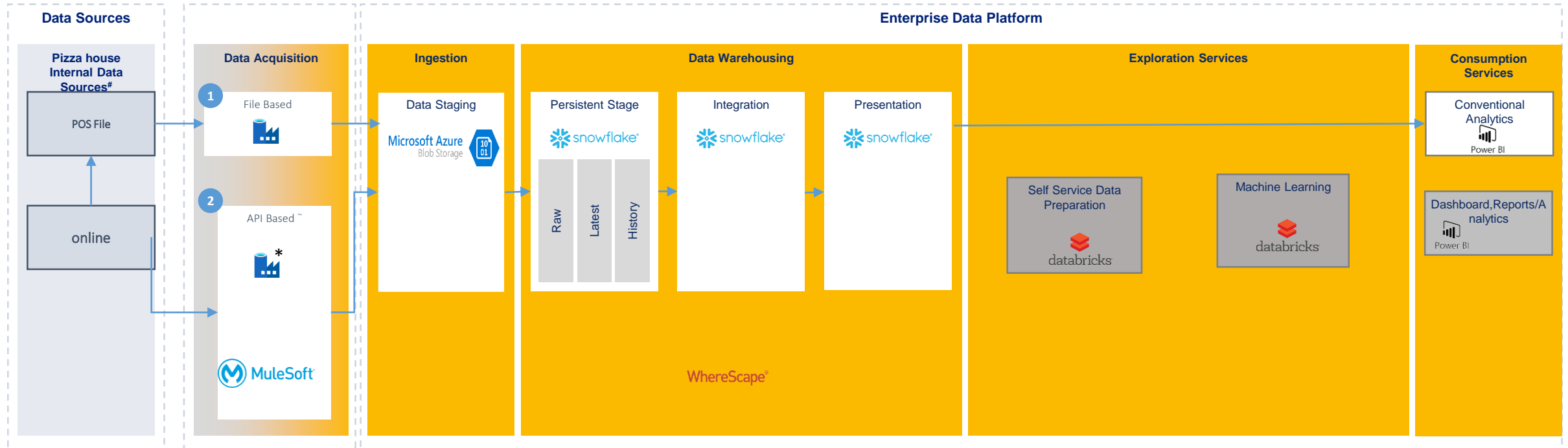# High Level Solution Architecture

1. Data Sources: POS data batched at 15mins ,online transaction data in real time
2. Data Acquisition: Batched data acquired through file based transfer /mule soft. Online transaction data are added through API integration(Mulesoft)
3. Data Injection: Batched and online data are injected to Microsoft Azure Blob data storage
4. Data Warehousing: Sales transactional data are stored on snowflake stage in logically separated as Raw, Latest and History.Data is de-normalized in the integration layer and it is presented as fact and dimension in presentation layer(Snowflake)
5. Exploration Layer: Data bricks is used to write business logic, MlL algorithms
6. .Presentation Layer: Various reports based on sales data are developed using Power BI or other analytical tools. zThis can be used by end users to access insights and KPIs on this data.