Project Design Phase
Solution Architecture

Date	23 March 2025
Team ID	PNT2025TMID06686
Project Name	**Global Food Production Trends and Analysis A Comprehensive Study from 1961 to 2023 Using Power BI**
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for **Global Food Production Trends and Analysis** integrates historical and real-time data from sources like FAO, IoT sensors, and weather APIs. Data is ingested, cleaned, and processed using AI/ML models for predictive analytics and anomaly detection. Power BI dashboards provide dynamic visualizations, enabling researchers, policymakers, and agribusinesses to make data-driven decisions.

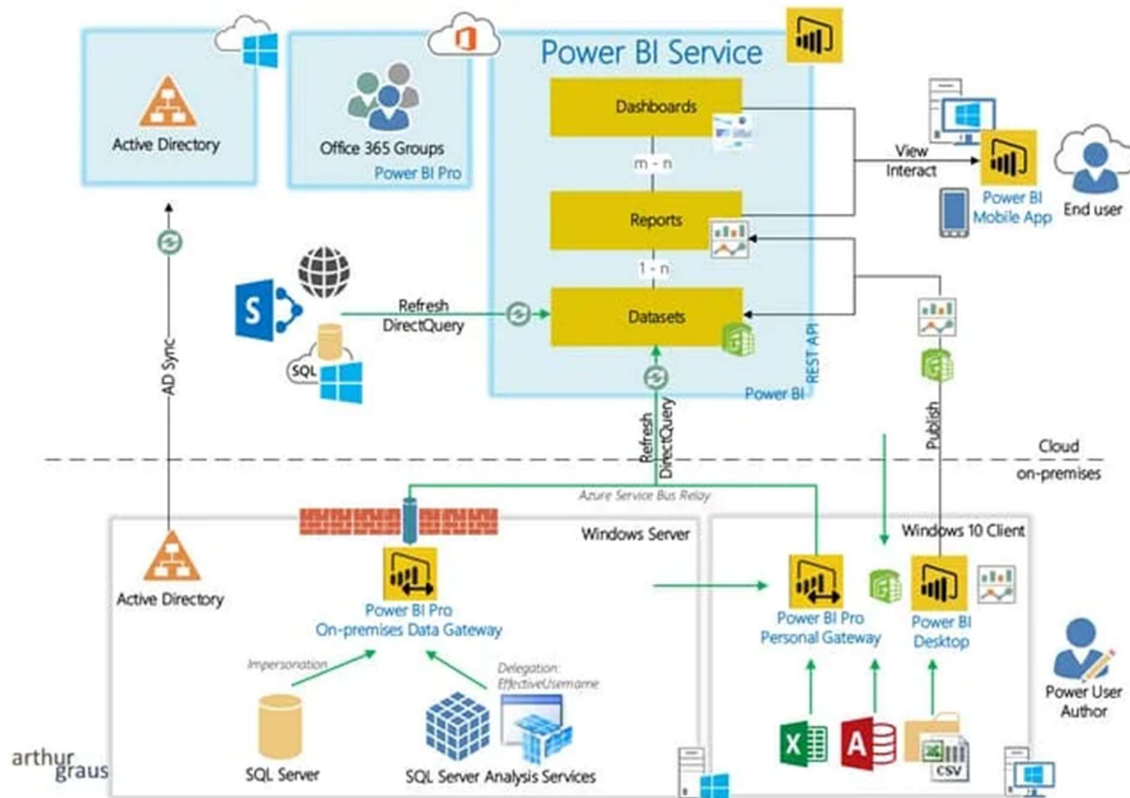**Example - Solution Architecture Diagram:**

Figure 1: Architecture and data flow of the voice patient diary sample application