

Project Design Phase-II Technology Stack (Architecture & Stack)

Date	10 October 2022
Team ID	PNT2022TMID44011
Project Name	Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:

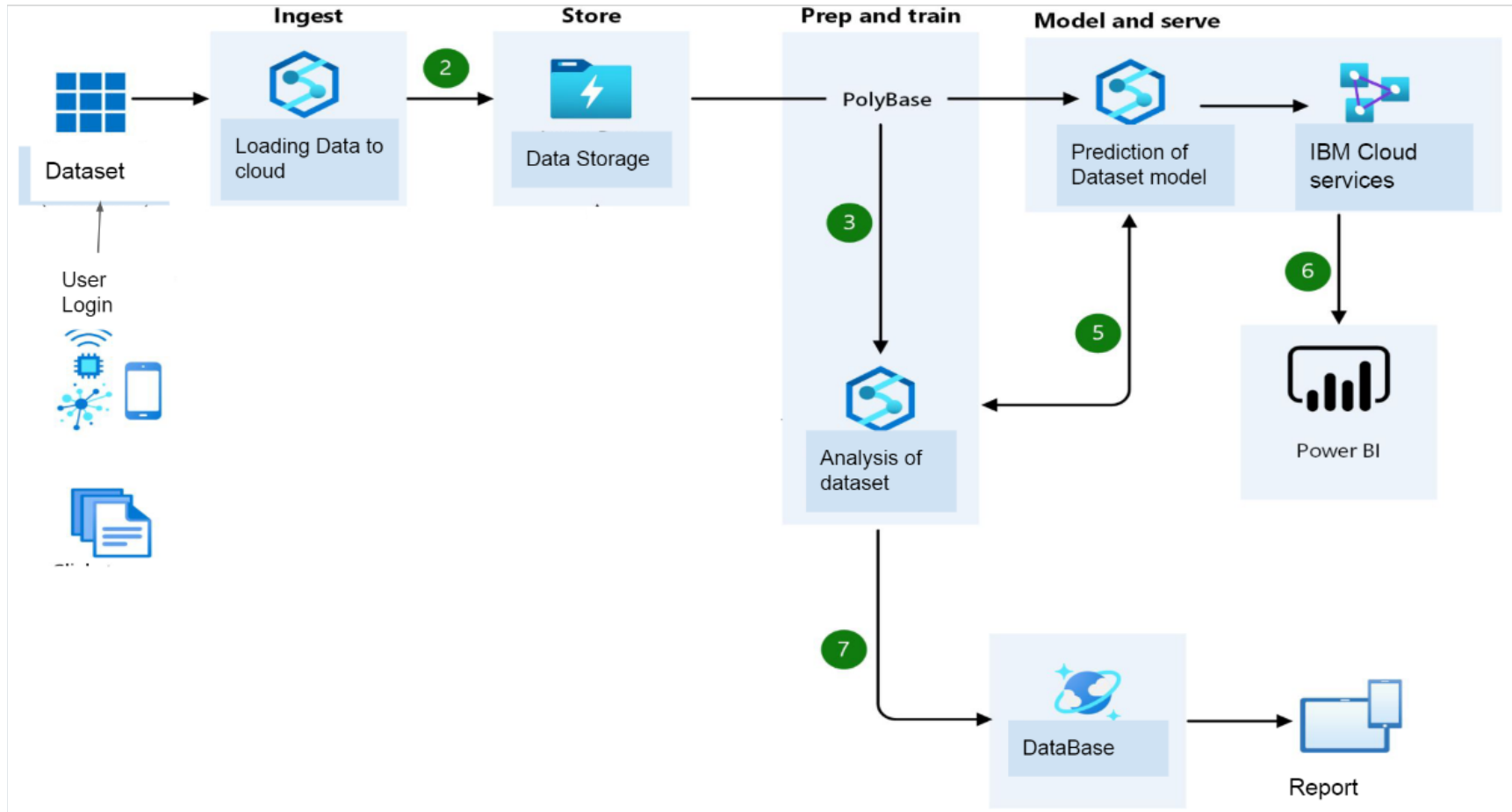


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Cloud Storage	Sales data of the customer's are uploaded to the cloud	Java / Python
3.	Working with Dataset	Uploading, Cleaning and Processing dataset	IBM Cognos Watson
4.	Data Exploration	Uploaded data is explored to identify trends	IBM Cognos Watson
5.	Data Visualization	Multiple types of graphs are shown according to customer data and requirements	IBM Cognos Dashboard and Story
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	Machine Learning Model	To do the predictive analysis on the input data	Predictive Machine Learning Model.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	IBM Cognos, IBM Cloud
2.	Security Implementations	To secure the user information and data	256-bit AES algorithm etc.
3.	Scalable Architecture	Provides scalability for the dataset	MS Excel Data set, Kaggle, Google drive
4.	Availability	Provides various type of analysis and provides full support irrespective of platform	IBM Cognos
5.	Performance	Withstand huge data and process them without crashing .	IBM Cognos

