

Project Design Phase –II

Technology Architecture & stack)

Date	16 October 2022
Team ID	PNT2022TMID44607
Project Name	GLOBAL SALES DATA ANALYSIS
Maximum Marks	4 Marks

Technology Architecture

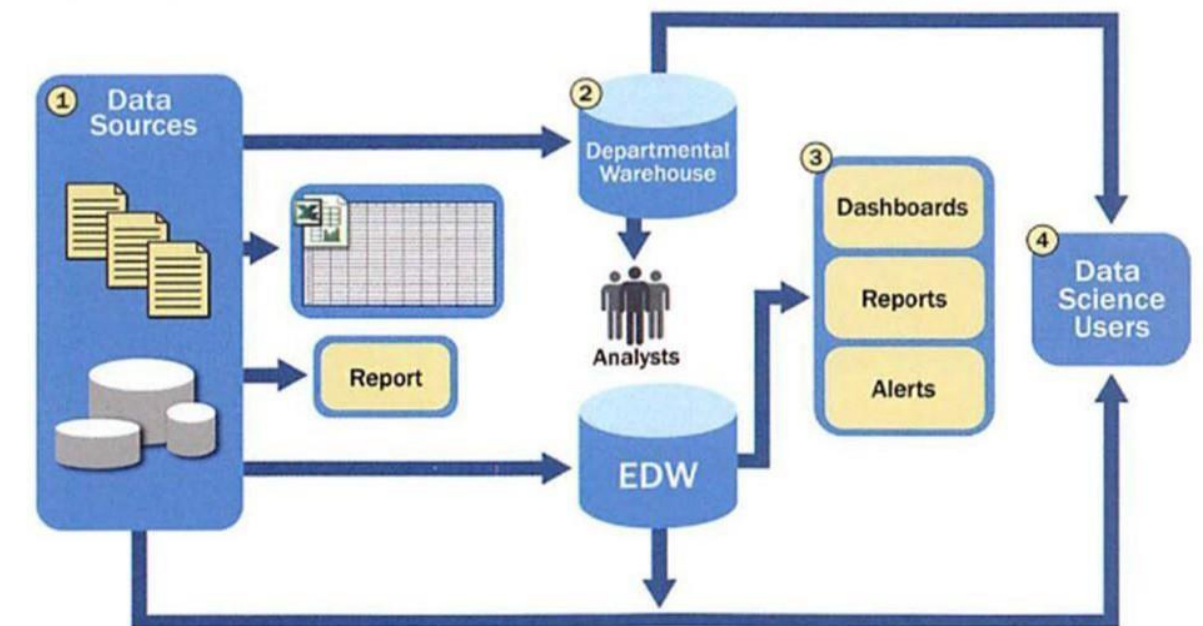


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	IBM Cognos
2.	Storage Infrastructure (Cloud)	Customer sales data is uploaded in cloud through interface	IBM Cloud
3.	Working with Dataset	Uploading, Cleaning and Processing dataset	IBM Cognos + IBM Cloud
4.	Data Exploration	Uploaded data is explored to identify trends	IBM Cognos
5.	Data Visualization	Multiple types of graphs are shown according to customer data and requirements	IBM Cognos Dashboard
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud etc.
7.	Viewing Data	User logs in to application to view visualizations for uploaded data	IBM Cognos Dashboard

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	IBM Cognos, IBM Cloud, IBM Watson
2.	Security Implementations	Secure user information and data	Active Directory
3.	Scalable Architecture	Supports various data sizes	Web 3.0 IBM Cloud