

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

Date	03 October 2022
Team ID	PNT2022TMID16725
Project Name	Project –Global sales data analytics
Maximum Marks	4 Marks

Technical Architecture:

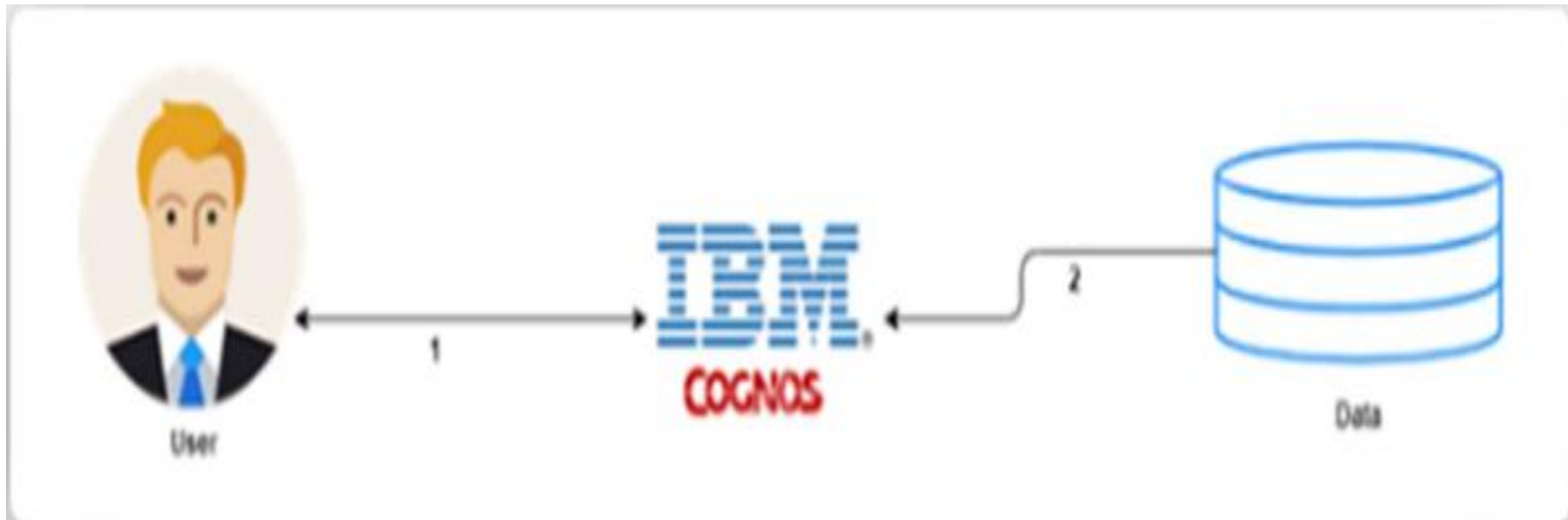


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Upload data	Logic for a process in the application	IBM Cognos Analytics with Watson
3.	Prepare data	Logic for a process in the application	IBM Cognos Analytics with Watson
4.	Exploration	Logic for a process in the application	IBM Cognos Analytics with Watson
5.	Present data	Logic for a process in the application	IBM Cognos Analytics with Watson
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud,etc
7.	File Storage	File storage requirements	IBM CLOUD
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	IBM CLOUD

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	IBM COGNOS With Watson, IBM CLOUD
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	LDAP OR Active Directory
3.	Scalable Architecture	Justify the scalability of architecture	Three server tiers: Web Tier
4.	Availability	Ability to create complex, multi-page layouts using different data sources. High performance data access across all sources. Complete connectivity regardless of environment.	WebSphere Application Server, Cognos Business Intelligence server

S. No	Characteristics	Description	Technology
5.	Performance	Design consideration for the performance of the application.	3IBM Cognos Performance Management Hub (PMHub)