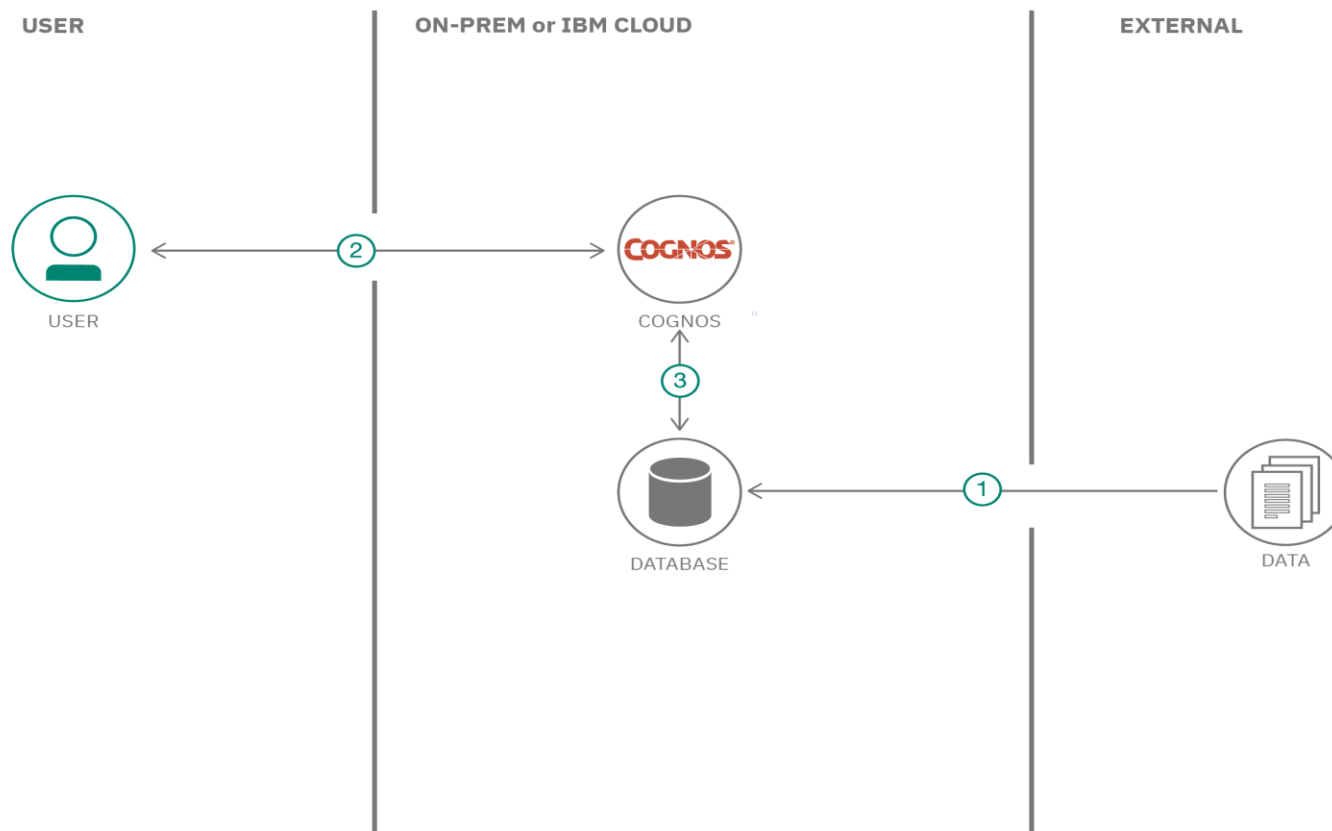


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	12 October 2022
Team ID	PNT2022TMID20639
Project Name	Project - GLOBAL SALES DATA ANALYTICS
Maximum Marks	4 Marks

**Technical Architecture:**



**Components & Technologies:**

<b>S.No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	IBM Cognos Analytics with Watson
2	Storage Infrastructure	Customer sales data is uploaded	IBM Cloud
3	Working with the dataset	Uploading, Cleaning and Processing dataset	IBM Cognos Analytics with Watson and IBM Cloud
4	Data Exploration	Uploaded data is explored to identify trends	IBM Cognos Analytics with Watson
5	Data Visualization	Multiple types of graphs are shown according to customer data and requirements	IBM Cognos Analytics with Watson, IBM Cognos Dashboard
6	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant
7	File Storage	File storage requirements	IBM Cloud
8	Viewing Data	User logs in to application	IBM Cognos Dashboard
9	Infrastructure (Server / Cloud)	Application Deployment on Local System /Cloud  Local Server Configuration:  Cloud Server Configuration :	IBM Cloud

**Application Characteristics:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	List the frameworks used	IBM Cognos With Watson, IBM Cloud
2.	Security Implementations	Secure user information and data	Active Directory
3.	Scalable Architecture	Support various data sizes	Web 3.0 IBM Cloud
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.	Cognos Business Intelligence Server
5.	Performance	Withstand huge data and process them without crashing	IBM Cognos, Performance Management Hub