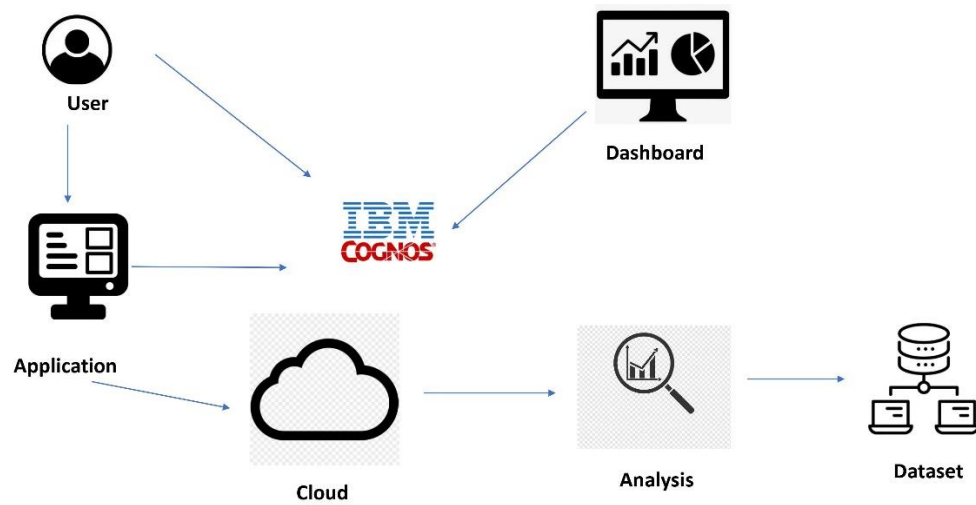


Project Design Phase-II Technology Stack (Architecture & Stack)

Team ID	PNT2022TMID22535
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:



Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, JavaScript,CSS
2.	Application login Process	Logic for a process in the application	Java / Python
3.	Application Data Upload & Processed	Data will be processed when it is uploaded	IBM Cloud, Python, My SQL
4.	Application Data Exploration	Logic for a process in the application	MySQL
5.	Data Visualization	The data will be visualized	IBM Cognos, Python
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud etc.
7.	File Storage	File storage requirements	IBM Block Storage
8.	Viewing the data	Purpose of External API used in the application	IBM Cognos, Python

Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Open-source frameworks used	Python
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Architecture (3 – tier, Micro-services)	Database storage, application
4.	Availability	This software accessible for all the user without any problem at the same time	IBM Cloud, IBM server
5.	Performance	performance of the data will be high without any issue will be occur.	IBM Cloud

