

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

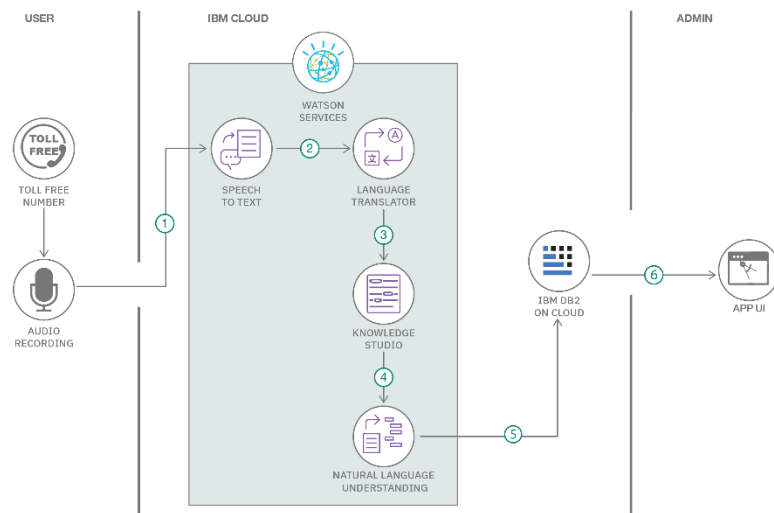
Date	26 October 2023
Team ID	NM2023TMID06875
Project Name	Project - Solar Panel Forecasting
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Example: Order processing during pandemics for offline mode

Reference: <https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/>



Guidelines:

1. Include all the processes (As an application logic / Technology Block)
2. Provide infrastructural demarcation (Local / Cloud)
3. Indicate external interfaces (third party API's etc.)
4. Indicate Data Storage components / services
5. Indicate interface to machine learning models (if applicable)

Table-1 : Components & Technologies:

S.No	Component	Technology
1	Data Collection	Db2
2	Data Integration	IBM Cloud
3	Forecasting Models	IBM Analytics
4	Real-time Updates	IBM Cognos
5	Security	IBM Cloud
6	Scalability	IBM Cloud
7	Monitoring and Reporting	IBM Cloud
8	Documentation	IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Technology
1	Performance	IBM Cloud
2	Availability	IBM Cloud
3	Reliability	IBM Cloud

4	Transparency and Accountability	IBM Cloud
5	Adaptability	IBM Cloud
6	Environmental Considerations	Db2

References:

<https://c4model.com/>

<https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/>

<https://www.ibm.com/cloud/architecture> <https://aws.amazon.com/architecture>

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>