

Project Design Phase-I Solution Architecture

Date	25 September 2022
Team ID	PNT2022TMID52982
Project Name	Project – Smart Waste Management System in Metropolitan Cities
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

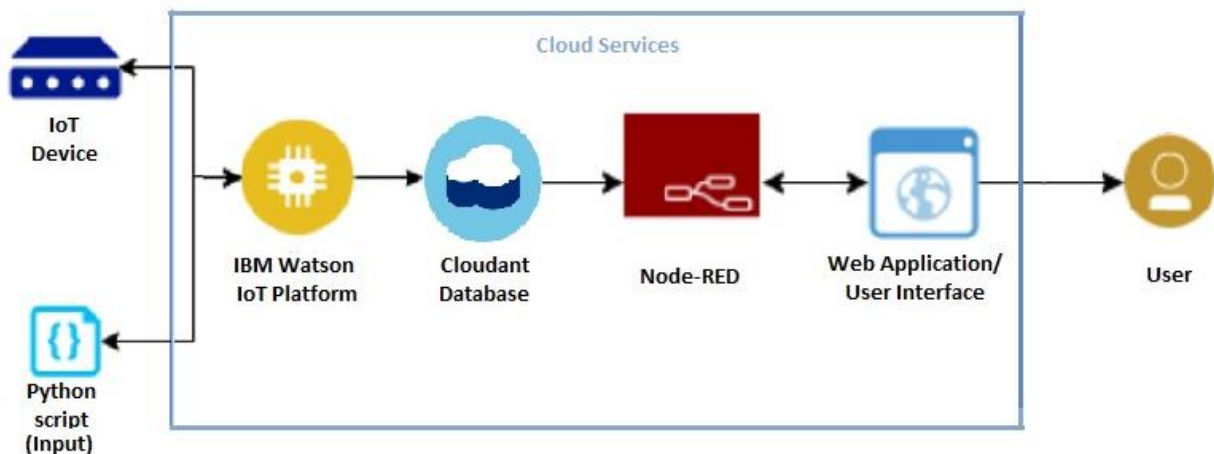


Figure 1: Architecture and data flow of the inputs

The python script is used to upload the Input data to the IBM Watson IoT platform. The information is constantly stored in the Cloudant Database. Node-RED service is used to create a Web application for the user to monitor and status and location of the bins and to alert the admin if the bin is full.