

Project Design Phase-I Solution Architecture

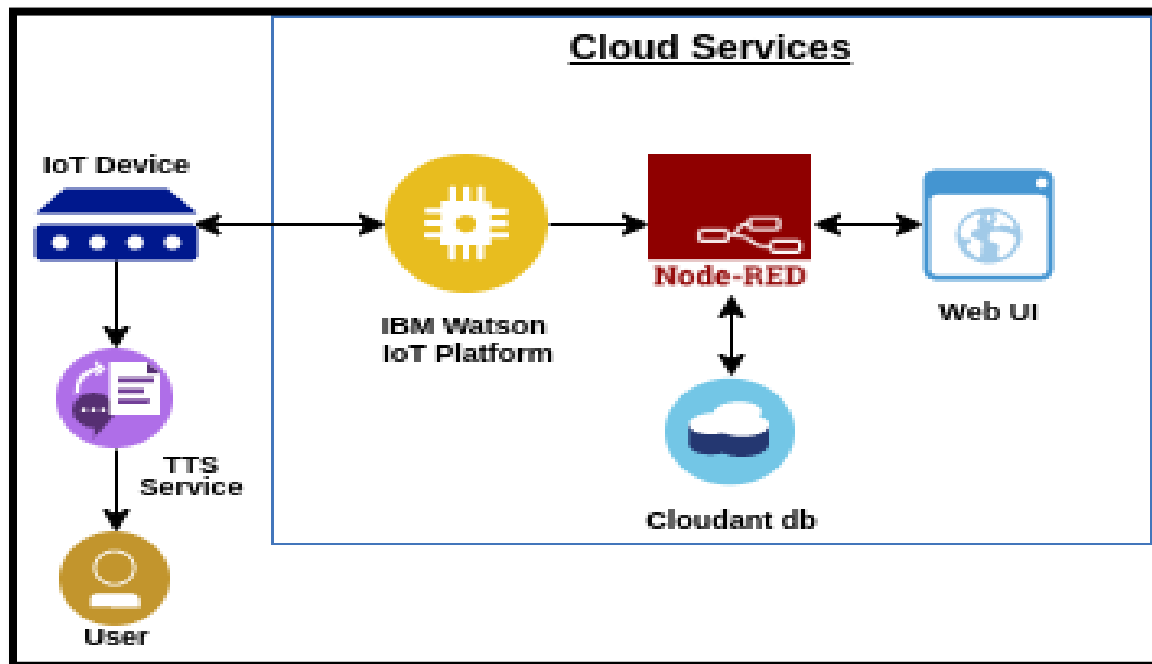
Date	19 September 2022
Team ID	PNT2022TMID54420
Project Name	Project – personal assistance for senior who are self-reliant
Maximum Marks	4 Marks

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:

- Seniors who are trying to be self-reliant will have the greater use of medicine reminder app.
- This application can be customized to medicine reminder with voice alert, sms alert with all necessary details needed.
- And it is difficult for doctors/caretakers to monitor the patients around the clock. To avoid this problem, this medicine reminder system is developed.
- An app is built for the user (caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB.
- If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform.
- The device will receive the medicine name and notify the user with voice commands.

Solution architecture diagram :



The process may involve :

- Creating and using the IBM cloud services
- Integrating them with the node-red services
- Develop an application (medicine reminder) which can be comprehensible to all seniors .

Example flow :

