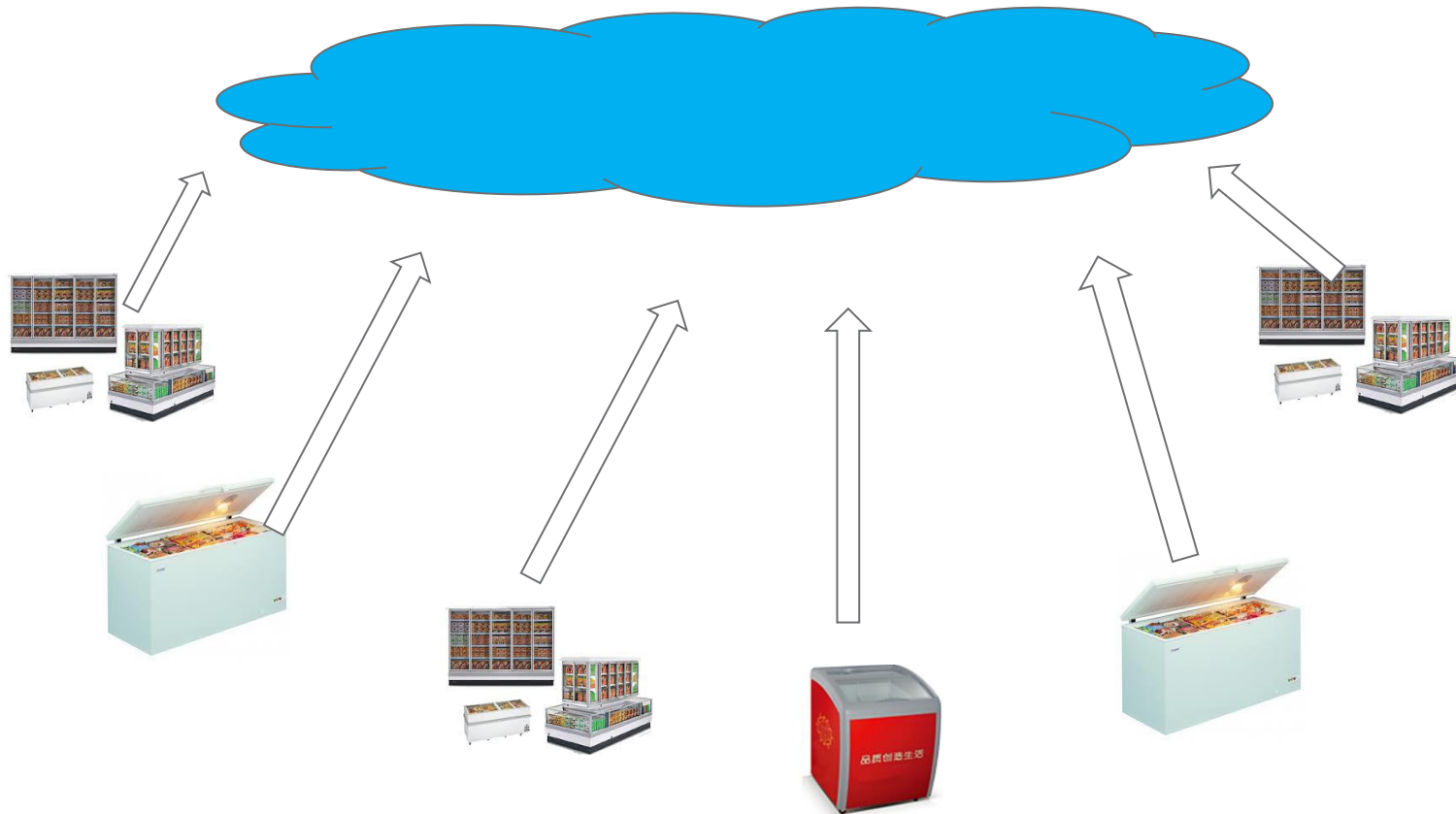


2017

Tech Mahindra – Asset Monitoring System

amTrack – Asset Monitoring and Tracking



Overview

- One of TechMahindra existing FMCG customer has problem of 10% of their Freezer Box supplied to distributors goes missing every year
- Freezer Box is used for storing beverages and foods at certain temperatures
- Foods supplied gets spoiled due non-maintenance of prescribed temperature zone
- At times distributor switches off freezer Box to save electricity
- There is significant cost in replacing missing freezer box
- Foodstuff that get spoiled also adds to cost

Technical Requirement

Customer asked TechMahindra to design cost effective solution to

- Geo fence Freezer Box
- Check whether Freezer Box is power on or off condition
- Monitor Freezer Temperature every half and hour interval
- Provide real time report to central command centre and alert responsible person based on defined criteria

Solution

TechMahindra designed IoT solution using SoftwareAG IoT Stack for solving all the above problem.

TechMahindra designed sensor using snapdragon processor to collect data at regular interval.

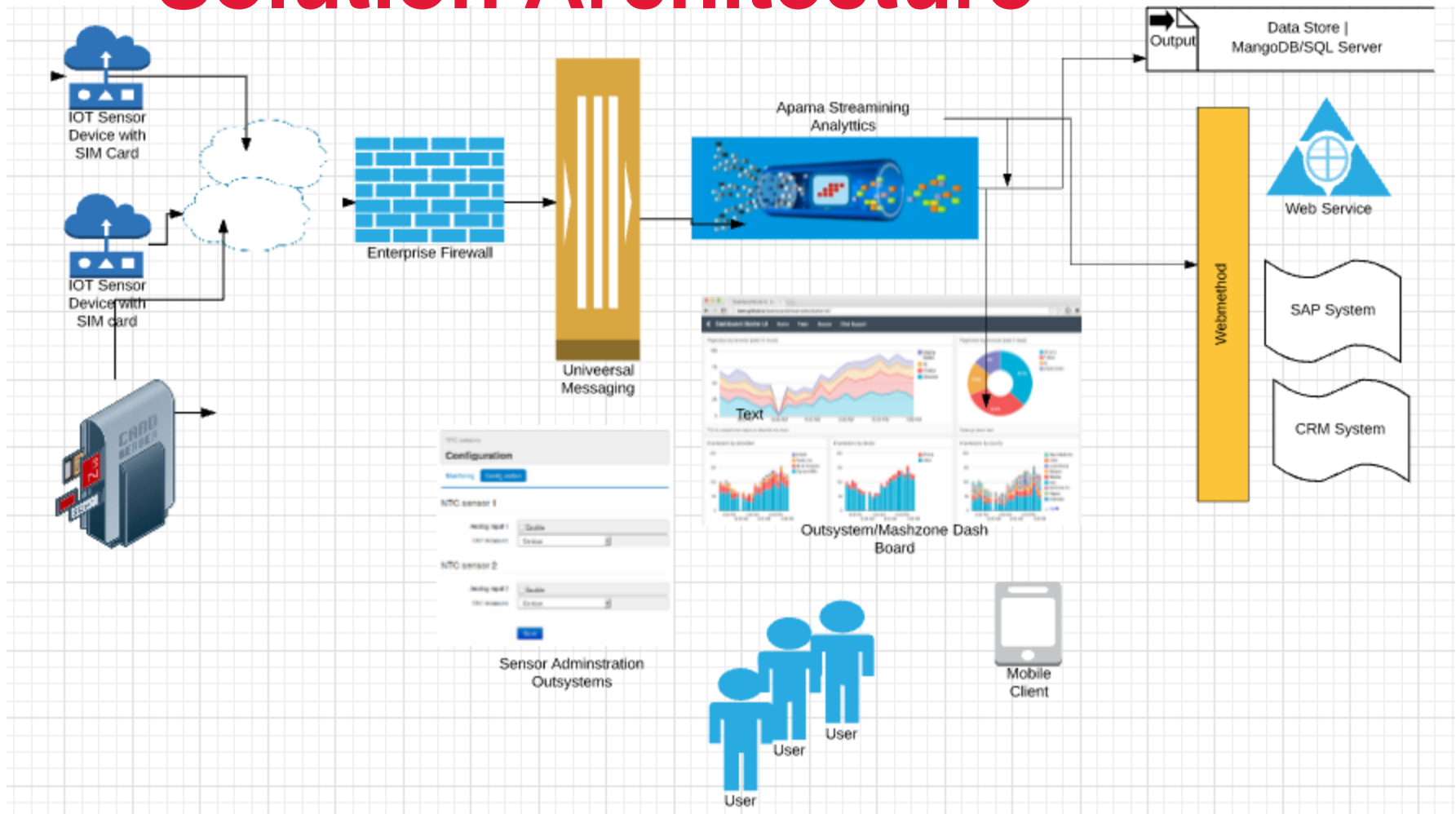
Used cumlocity to gather data at sensor level and send it to message gateway for further processing

Universal messaging was used for gathering information from all the sensors

Apama has been utilized for real time data analysis

Webmethod was used for integrating data from SAP and CRM system

Solution Architecture



Benefits

- Asset is geo fenced, whenever it goes out of defined area there is alert
- Reduced wastage of food and beverages due to temperature variation
- Timely alert when freezer box is switched off

For More information

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