

Lifecon Solution – Solution Overview

Business Challenge

Every click, swipe, like, buy, comment, deposit, jog and search produces information that creates a unique virtual identity — something we call a Code Halo. Code Halos are vital to future business success. Code Halos can give unprecedented levels of insight and business value. Decoding the digital information contained in Code Halos, leaders in industries can embrace a new business-technology model.

Solution

Cognizant developed a solution using SoftwareAG webMethods Integration Platform and Presto components that enables devices and things to be integrated.

This solution provides a holistic view of Connected Life using SMAC & IoT. It keeps a record of daily activities of a person by integrating IoT devices with cloud APIs, such that the person is connected to social media, environment, health, home, money, etc. all in same platform.

It uses a FitBit device, which calculates the number of steps taken, calories burnt, miles covered etc. This IoT device is connected to APIs like facebook API, where user can connect to social media, publish some posts and like or comment on facebook posts. There are other APIs also connected like Weather API, for weather information and also can suggest a user if he should go for a walk or hit a gym, depending on the weather outside, Google API for google maps, and so on.

Key highlights of this solution

- Claims the functionalities like: Health management, Home management, Finance management, etc.
- Based on weather condition received from forecast sites, update Facebook for work out location, different Integration patterns like Openweather API, Facebook API and webMethods IBO are used.
- Based on distance travelled or steps taken or calories burnt in smart device, it suggests optimum hydration rate and suggest suitable food, and on BMI received from smart device, it suggests exercises. This uses Fitbit API and webMethods IBO Integration patterns, this uses and FitBit flex and Fitbit Aria IOT devices.
- Based on important dates recorded in in fb such as wedding anniversary, suggest restaurants or events. This uses Integration patterns like Facebook API and webMethods IBO.

Architecture Flow Diagram

