Titan- Secure

Mobile APP User Guide

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1. Introduction

Cold Chain management solution for Pharma addresses the challenges and concerns of the pharmaceutical companies, by providing near real-time tracking of the temperature sensitive consignments in a transparent and immutable manner throughout the supply chain.
The aim of this document is to describe the last mile coverage mobile app – for getting the alert details from the cloud as well as the alerts stored in the sensor.

2. Purpose/Audience

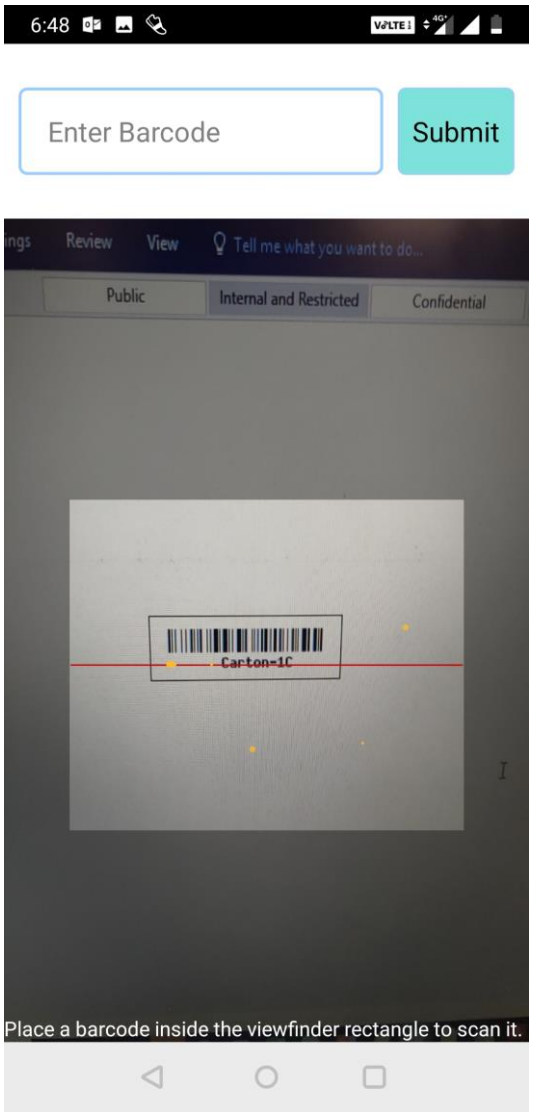
Users of the mobile application – such as supply chain team members, pharmacists and end users.

3. Goals and Objectives

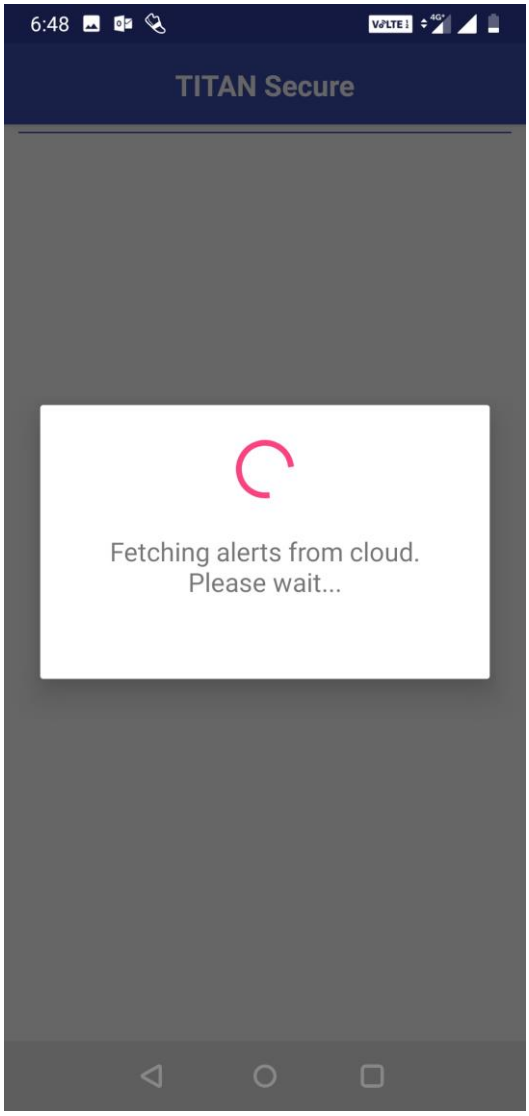
One of the challenges within cold chain system is to maintain the temperature range (2°C – 8°C) of the consignment throughout the delivery cycle, which is the most common range for the pharmaceutical industry. Multiple variables can affect the length of time a product's temperature is considered controlled, including package size and thickness and the type and quantity of cooling agents used. The objective of the system should be monitoring these conditions in near real time in a secure, transparent and immutable manner and trigger alerts if there are temperature/humidity abnormalities.

4. Installation Instructions and App Flow

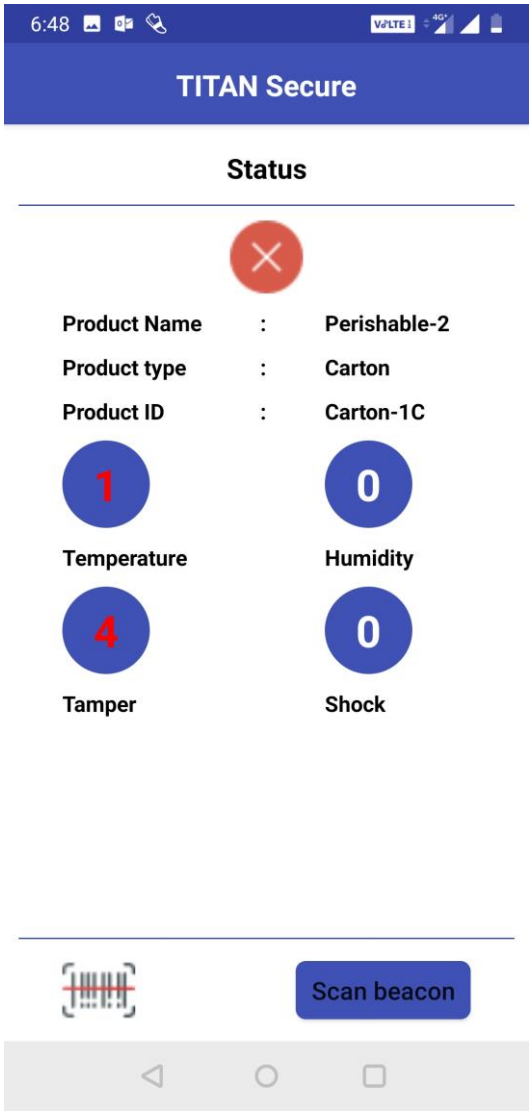
- Install the Titan-Secure.apk in an android phone
- Turn on the WiFi/Mobile data, Bluetooth, and the location features in the phone
- Open the Titan-Secure application
- Scan the barcode on the object (product, box, carton, pallet), the barcode should be a valid barcode of an object which is a part of a valid shipment in the Titan-Secure portal



- The App fetches the alert information from the Titan-Secure portal on Azure

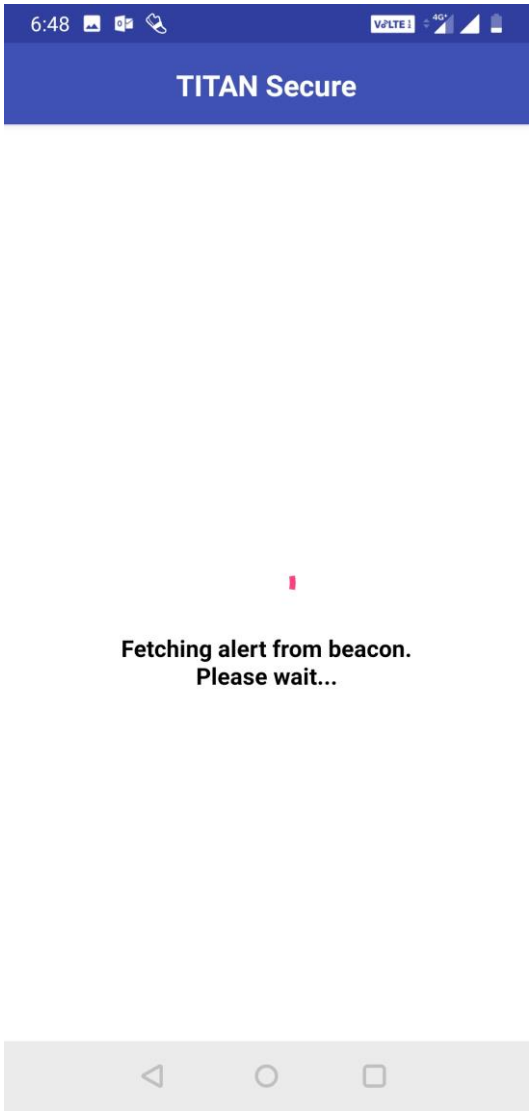


- The App fetches the alert information from the Titan-Secure portal on Azure and displays to the user. The alerts read from the portal are processed alerts, for eg. A temperature excursion is considered as an alert only if the excursion persists for more than 10 mins (or a user configurable time) The red cross mark indicates presence of alerts in the for the particular object, if there are no events or alerts, the symbol would be a green tick mark



- Click on the scan beacon icon (the BLE beacon associated with the object should be in range of the mobile phone (less than 10 mts)

- The app connects to the beacon sensor and fetches all the alerts stored in the sensor, these are cumulative of all the processed and raw alerts, as the sensor stores all the alerts, irrespective of the duration



- The App fetches the alert information stored in the sensor and displays to the user