Retail Demo Overview

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                                                ffh   g
                                            g ffh

        ffh

Orders product

Customer → Ordering App → Inventory DB

Product Status

Evaluate Stock level

Restock Shelf Alert

First line worker

IoT Edge Runtime

Order more product

Store Manager → Inventory DB

Forecast Inventory

Analysis

Product is ready for pickup or delivery → Customer

Customer arrives at store (geofence event) → Notify employee to bring product to front → First line worker → Customer uses indoor mapping to find item in store

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Customer ordering products causing low stocks

Step 1: Open Contoso Market Web Application to make a purchase and activate low stock level alert for store associate.

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Low stock alerts are sent to FLW for immediate action

Step 2: Open Microsoft Teams to see Low Stock Alert for restock

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Ordering more stocks from the suppliers

Step 3: Store Manager orders low inventory items to restock supply.

(The order is important as this step will trigger the email for the step 4)

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Customer receives a notification email that the order is ready

Step 4: Customer is informed that the product is ready for pick up.

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(Note that this happens in parallel of the previous steps whereby the store manager is ordering to restock supply)

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Customer arrives in mall and gets direction to the store with the app

Step 5: Customer arrives at retail outlet and uses app to find the direction to the store for pickup

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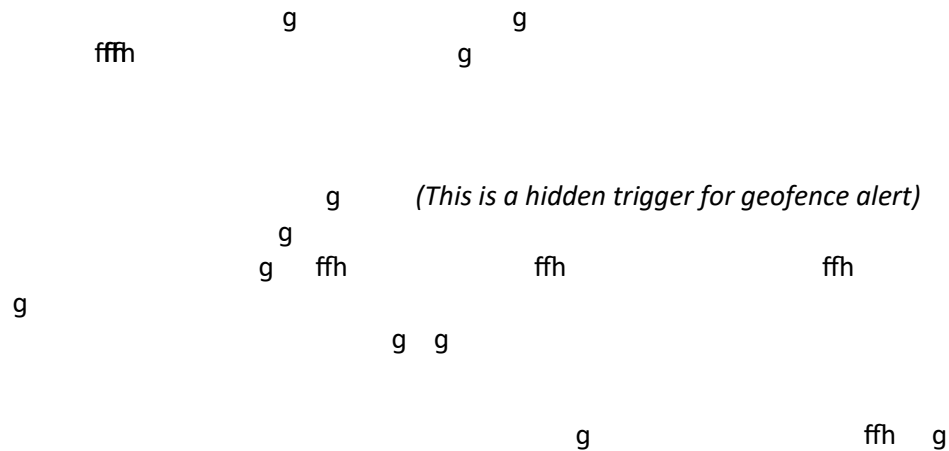
FLW prepares the order only when customer arrives

Step 6: Customer arrives at retail outlet and store associate is notified to get ready the order for pick up.
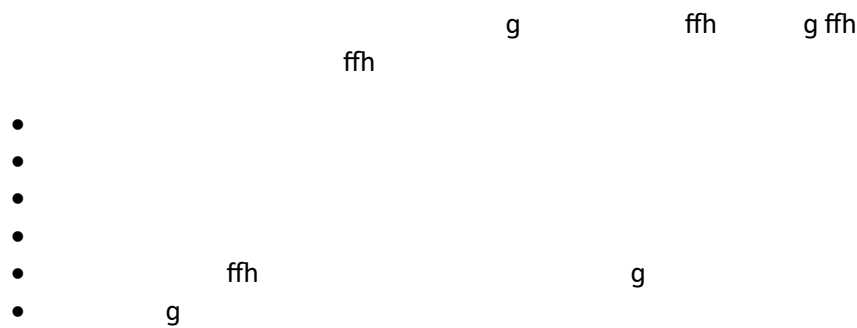
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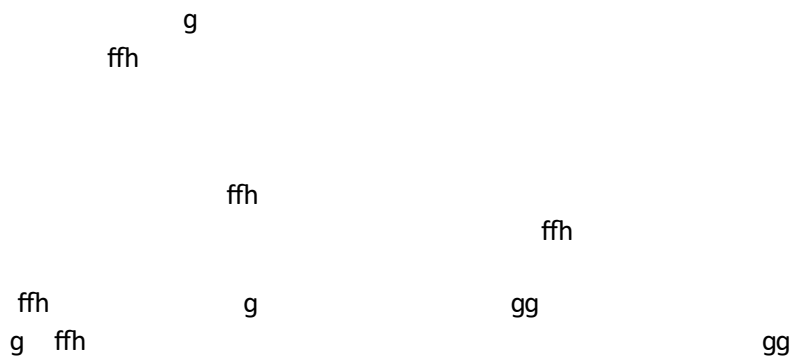
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Other scenarios that this platform enables

Step 7: View telemetry in IoT Central

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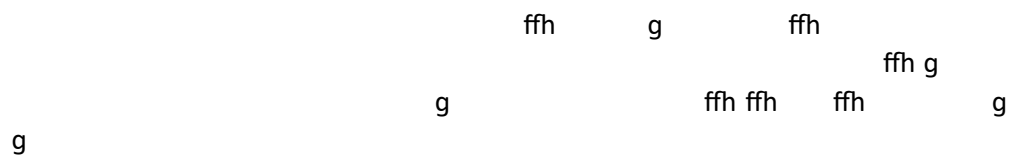
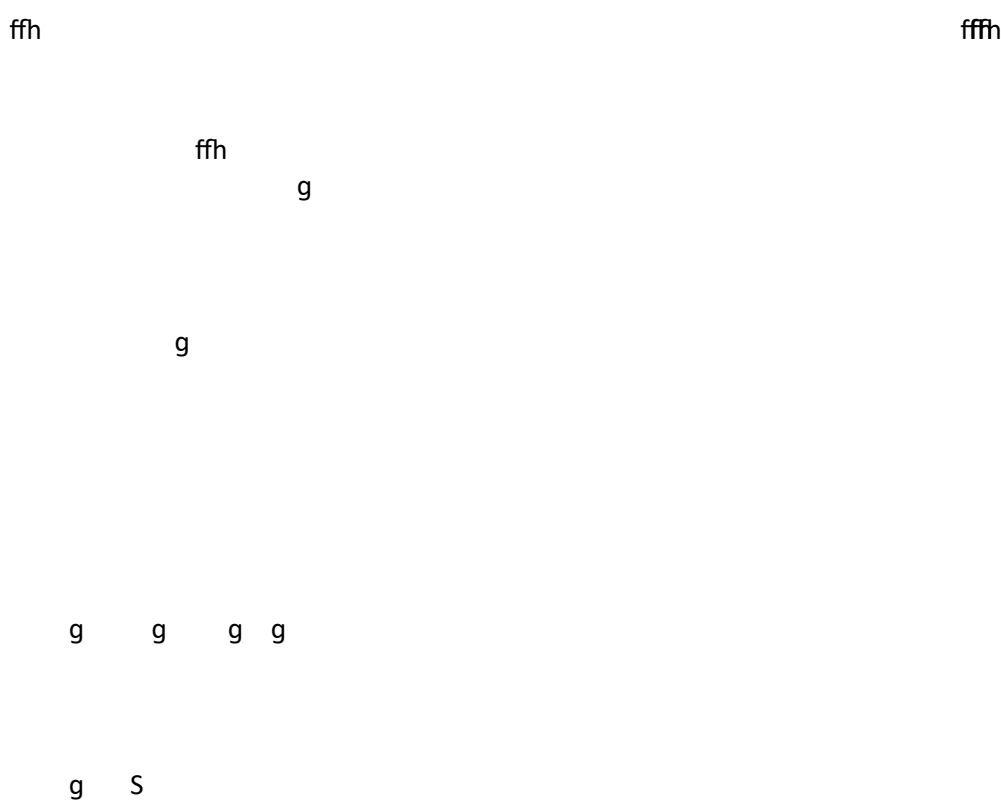# Using machine learning to forecast inventory requirements

Step 8 (optional): Contoso HQ working on Inventory forecasting

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Partners

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Reset demo

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