

Our Idea to create a simple salad and capture the FSMA 204 Events

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Problem Statement: In this challenge the processor creates a simple salad with 2 ingredients - tomatoes and romaine lettuce. The processor receives the cases of ingredients, transforms the ingredients into packages salads and then packs them into cases.

Approach:

Three types of Epcis events:

1. Observation event when each ingredient is received at the processing line. Could get away with using a commission event because many times a harvest arriving at a processing plant is a commission event. In this case, product is already instanced with a GTIN when we receive it.
2. Transformation event when we transform the ingredients into finished salad. As shown in the diagram this CTE will adhere to the FDA food traceability list by:
 - a. The KDS's for the packaged salad will be linked.
 - i. Lot code
 - ii. GTIN
 - iii. Unit of Measure
 - iv. Quantity
 - b. The KDE's for the used ingredients will be linked.
 - i. Lot code
 - ii. GTIN
 - iii. Unit of measure
 - iv. Quantity
 - c. Where
 - i. Read point
 - ii. Location
 - d. When
 - i. Event Time

ii. Record Time

e. Why

i. Activity type

ii. Activity ID

3. Aggregation Event where we pack the salads into cases

Technology we will use is Bartender, Barcode printer, Barcode scanner, programming language TBD, FREPCIS

Overview:

