



Blockchain Examples

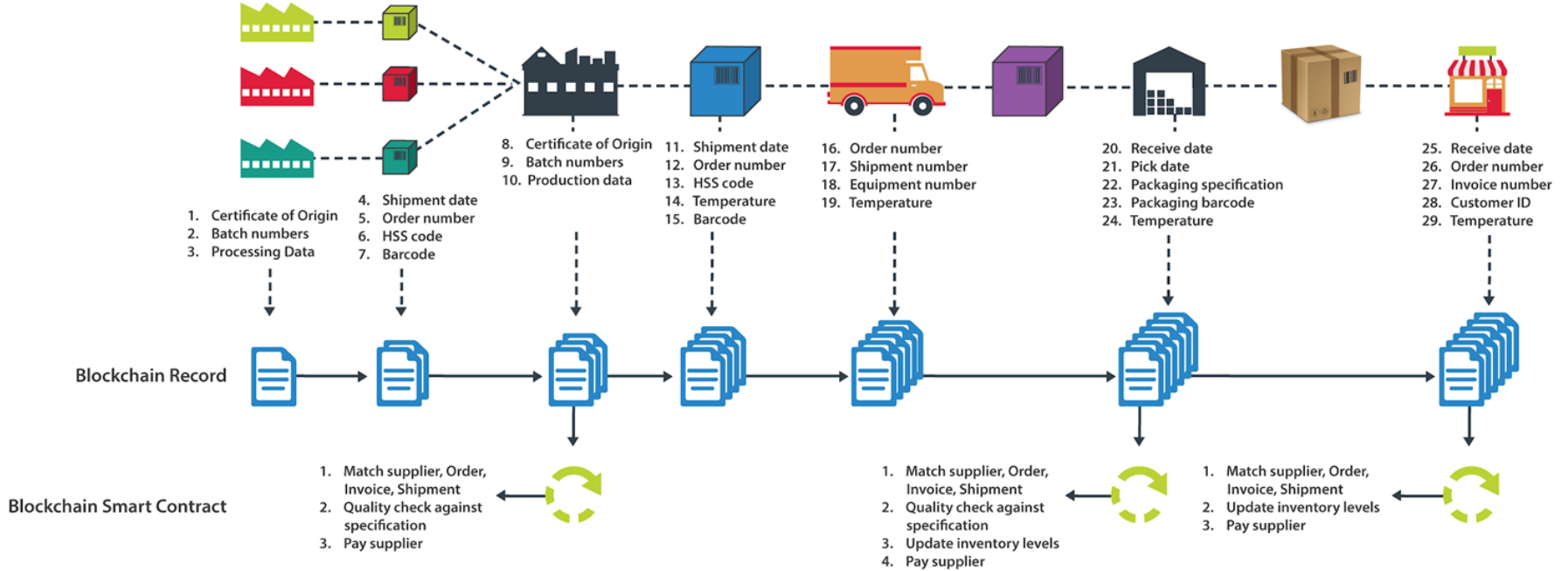


Walmart Food Tracking

Challenge: It can take upto days weeks to track the source for an outbreak of a food-borne disease.

Benefit: Better traceability could help save lives by allowing companies to act faster and protect the livelihoods of farmers by only discarding produce from the affected farms.

Approach: Walmart created a food traceability system based on Hyperledger Fabric. Walmart, together with IBM, ran two POCs to test the system. First one for tracing mangos sold in Walmart US stores and the other one to trace pork sold in its China stores. The tracing improved from 7 days to 2.2 seconds.





Honeywell Marketplace

Challenge: To cut purchasing time for aerospace products from days or weeks down to seconds. Also, to connect each physical part to its digital equivalent.

Benefit: Purchased time reduced from days to minutes and boost to anti-counterfeit measures.

Approach: Honeywell created a online marketplace system based on Hyperledger Fabric. Tracking of new and old parts for aircrafts is done with the same. Also, it created a trust system due to cryptography as most purchases happened using bonds. Any seller can launch his/her own selling system for aircraft parts using Honeywell solution known as Go Direct.

GoDirect Trade Storefronts



Listing Event

Part history event



Repair and overhaul event

Honeywell

AEROSPACE

OEM birth event



Dismantlement event

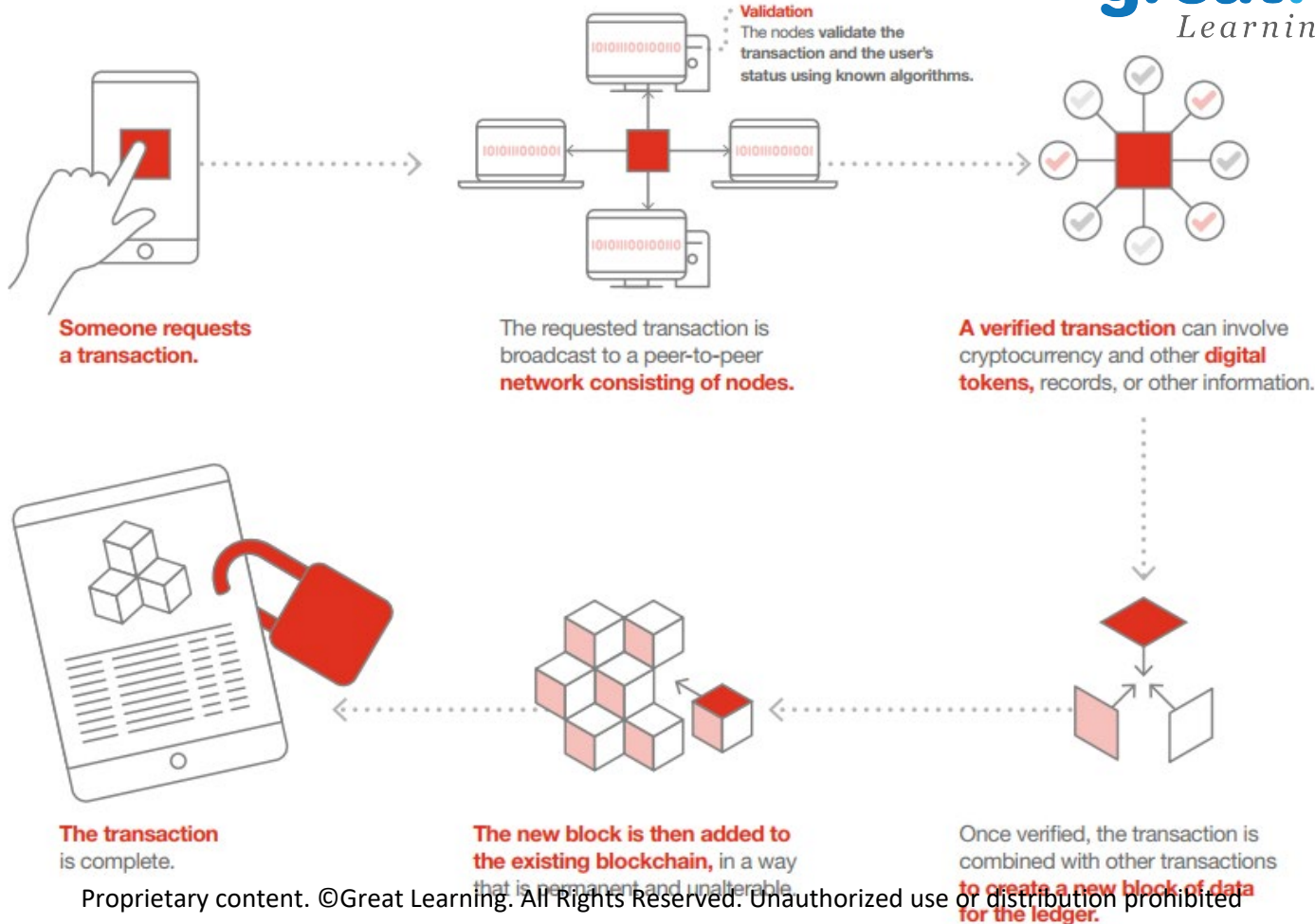


Typical events recorded on
Hyperledger blockchain

The screenshot displays the GoDirect Trade storefront. At the top, there's a search bar and navigation links for 'STOREFRONT' and 'REPAIR SEARCH'. Below this, a seller profile for 'Honeywell Aerospace Trading' is shown with a 5-star rating. The main product listing is for 'B50A000-00-100 CONTROL AND DISPLAY UNIT REPLACEMENT (CD)' with condition 'REPAIRED' and serial number 'B1003242'. The buy outright price is \$140,000.00. There are buttons for 'ADD TO CART' and 'Show Average Repair Cost'. A 'Bill of sale event' icon is overlaid on the right. Below the main image, there are smaller images of the product and a 'Trust Trace' section showing a detailed history of the part, including listing, shipment, service, and ownership transfers.

Bill of sale event

Typical Screen in GoDirect Trade



Thank You