Track & Trace

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USE CASE

- Track & Trace is a blockchain based logistic and supply chain management system.

- The project is not specific to a particular use case but can be used for various products and industries.

- Tracking and Tracing an asset is a vital factor of supply chain management and blockchain offers the best and most secure solution for various challenges.

SOLUTION

1. Blockchain enables smooth and integrated communication across complex supply chains.
2. It improves trust, security and speed
3. It offers distinct advantages in three important areas of supply chain management:
   a. Traceability,
   b. Tracking,
   c. Smart contracts.

WHY FABRIC?

- As it is a permission-based distributed ledger platform, it provides more security to the system. More control of the network enables authorizations for read-write access

- Enables performance at scale without compromising privacy.

- Smart contracts enable to self-execute of terms and policies between organizations.

- Transactions are trackable, irreversible and comparatively fast which enhance security, reduce costs and time.

WORKFLOW

Producer ⇒ Supplier ⇒ Wholesaler ⇒ Retailer

WORKFLOW CONTENTS

1. Producer - Creates the products

2. Supplier - Transports the products

3. Wholesaler - Orders the required products and store

4. Retailer - Sell to end consumers

Assets

PRODUCT

ORDER

TRANSACTIONS

1. createProduct

2. readProduct

3. transferProduct

4. deleteProduct

5. queryAllProducts

6. getProductHistory

7. getProductsWithPagination

THANK YOU