SMART CONTRACT DEVELOPMENT WITH JASON BDI AGENTS in SUPPLY CHAIN

SUPPLY CHAIN

Retailer

SUPPLY CHAIN

Retailer

Retailer‘s
Warehouse

SUPPLY CHAIN

Retailer

1. Checks the warehouse

Retailer‘s Warehouse

SUPPLY CHAIN

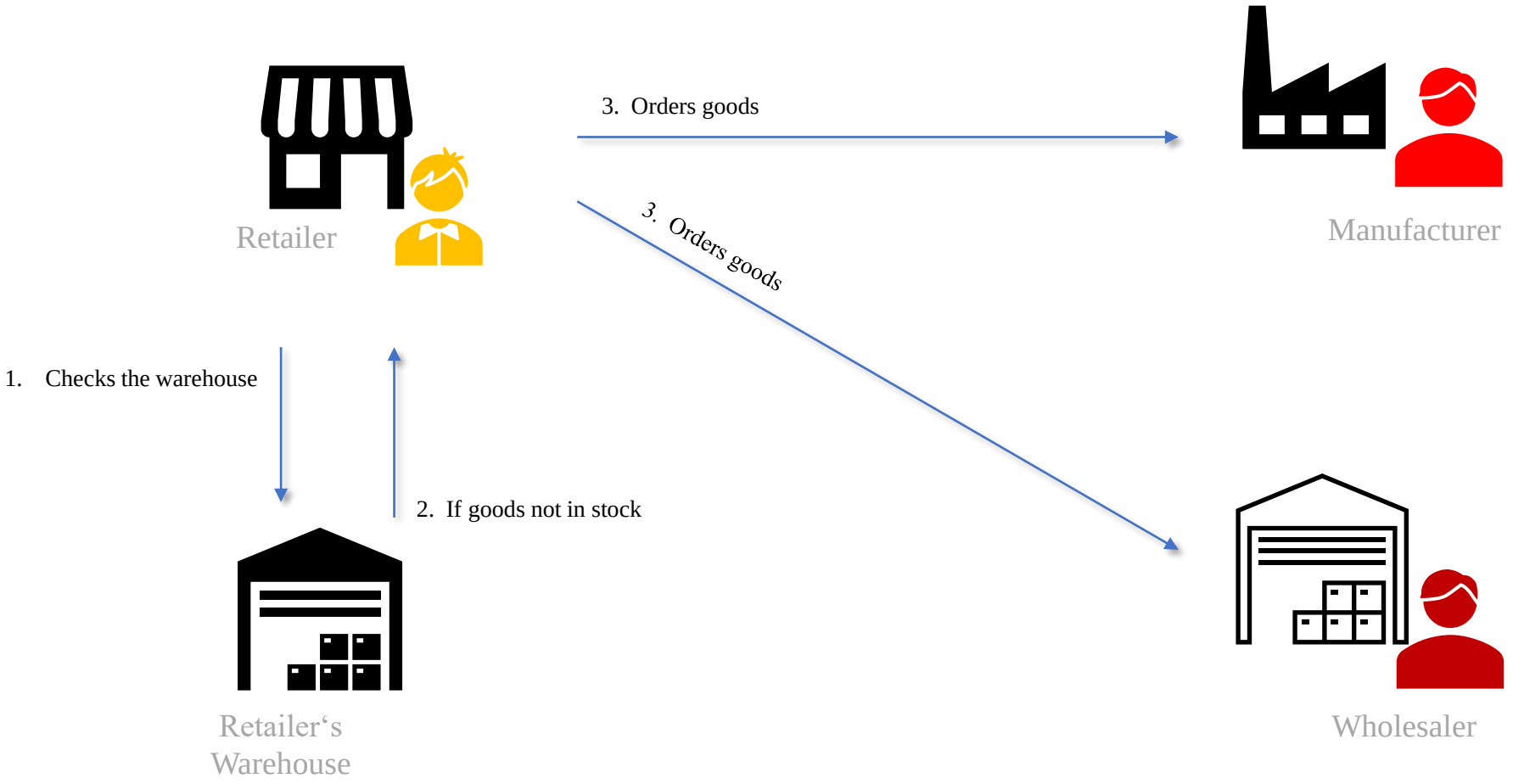
Retailer

1. Checks the warehouse

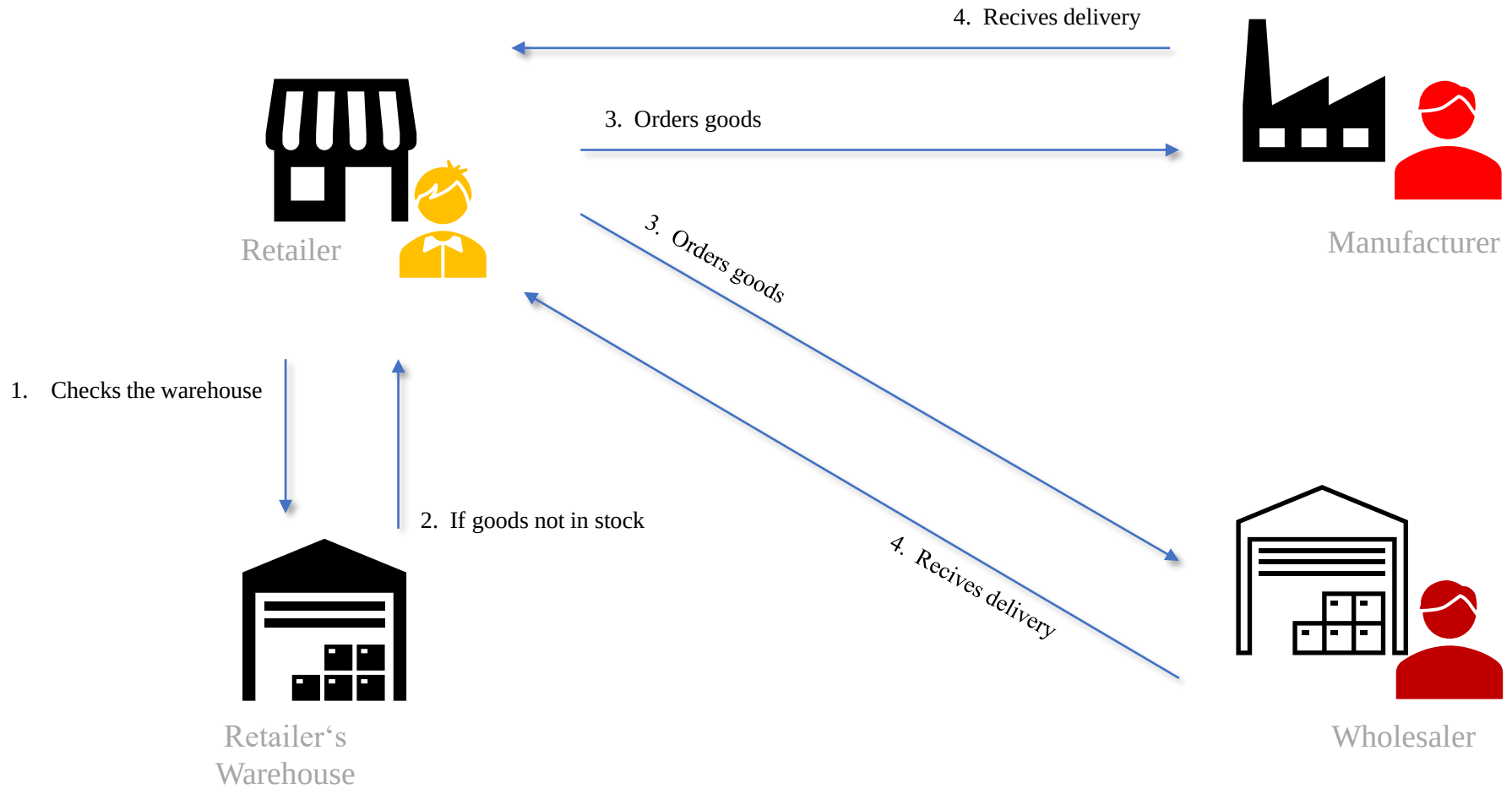
2. If goods not in stock

Retailer‘s Warehouse

SUPPLY CHAIN



SUPPLY CHAIN



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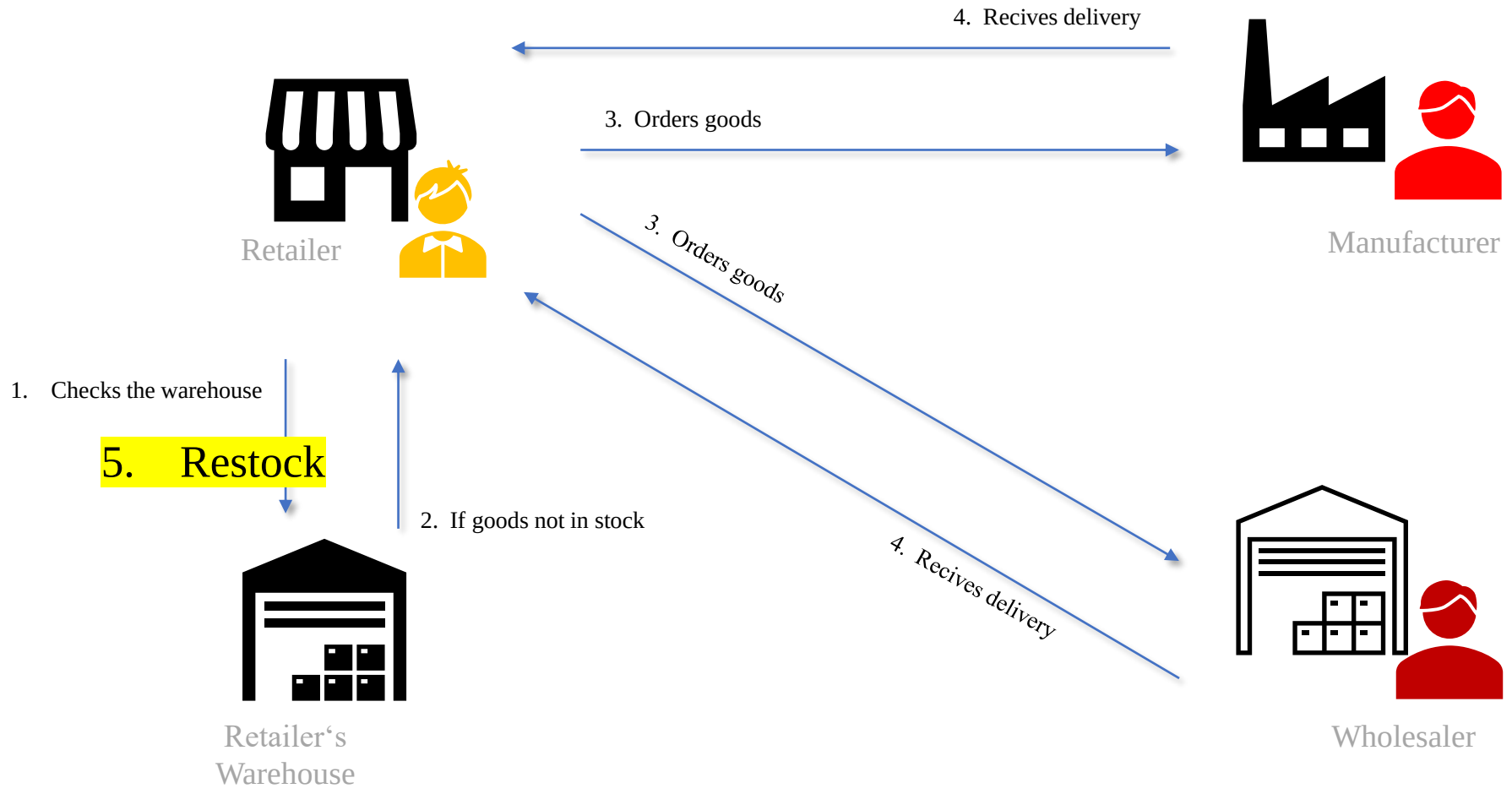
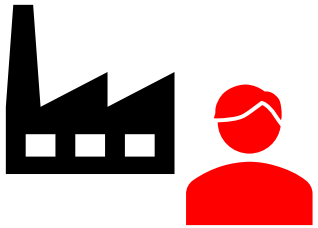


SUPPLY CHAIN

Retailer



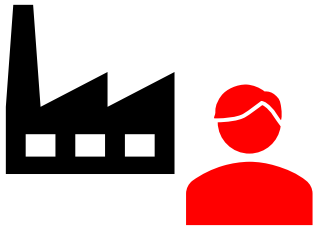
Manufacturer

Retailer‘s
Warehouse

Wholesaler

SUPPLY CHAIN

Retailer



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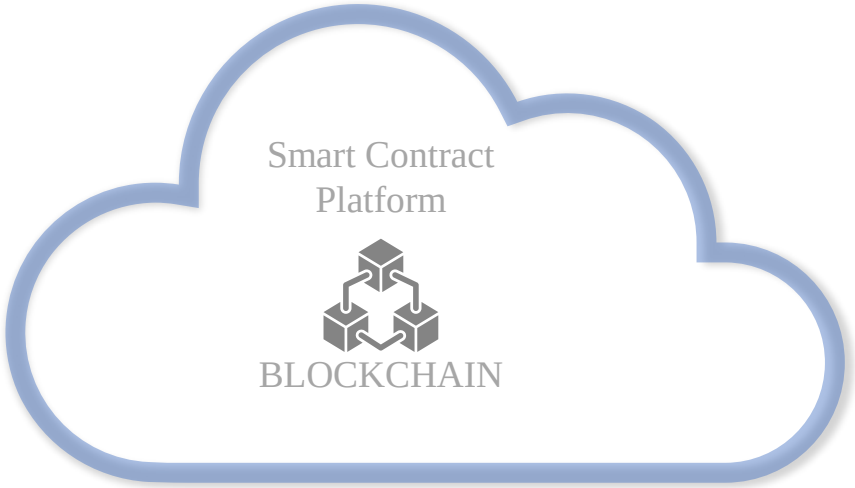
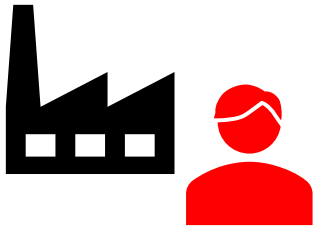


Retailer‘s
Warehouse

Wholesaler

SUPPLY CHAIN

Retailer



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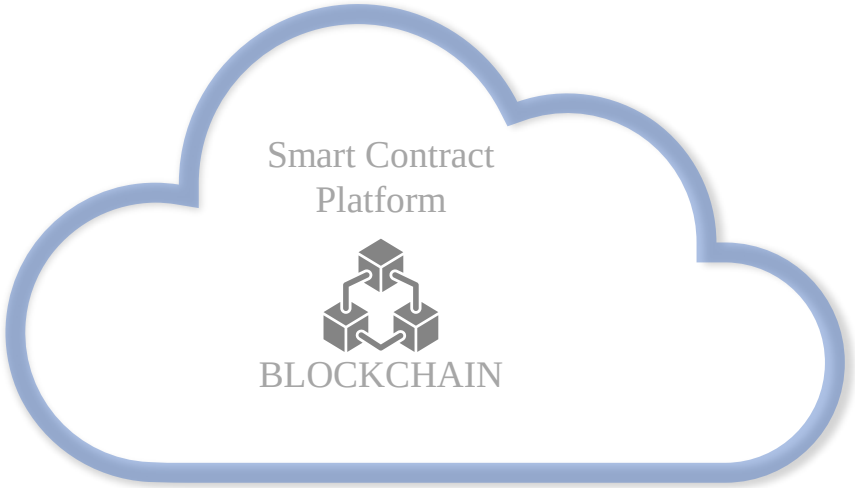


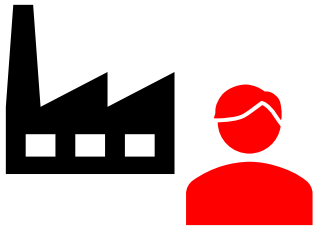
Retailer‘s
Warehouse

Contract

Wholesaler

SUPPLY CHAIN

Retailer



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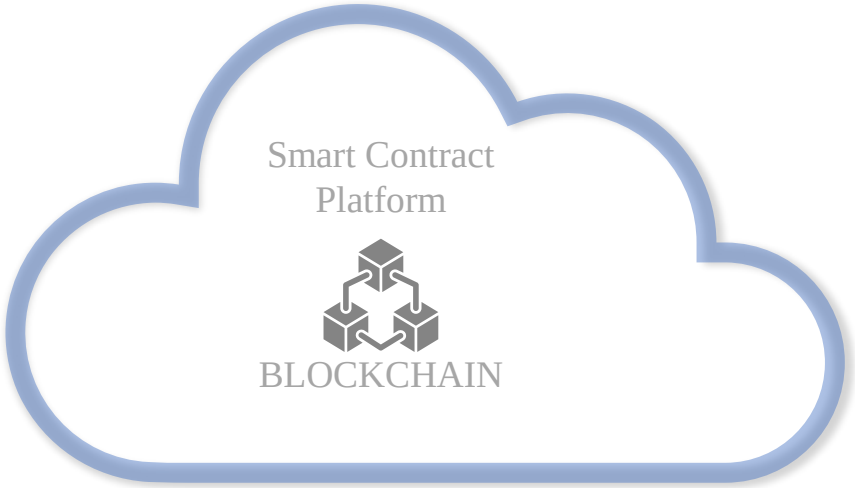


Retailer‘s
Warehouse

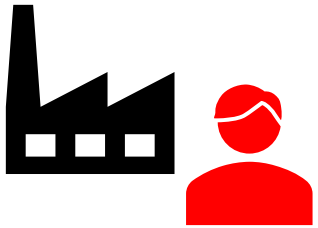
Validations

Contract

Wholesaler

SUPPLY CHAIN

Retailer



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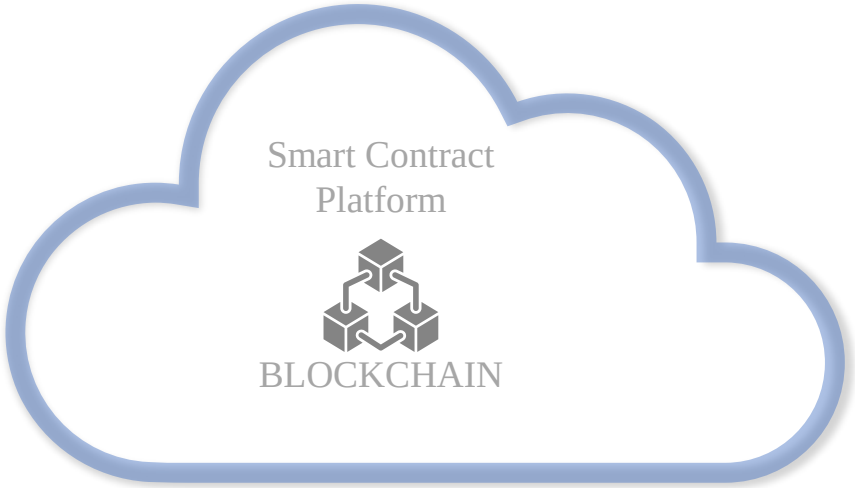
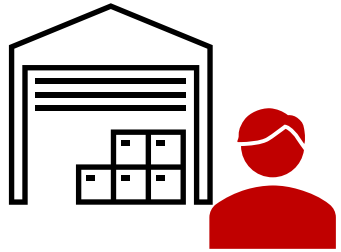


JASON
BDI Agents

Retailer‘s
Warehouse

Validations

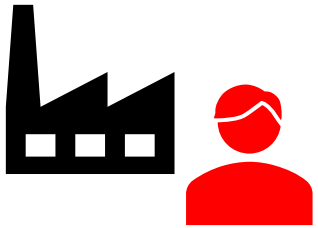
Contract



Wholesaler

SUPPLY CHAIN

Retailer



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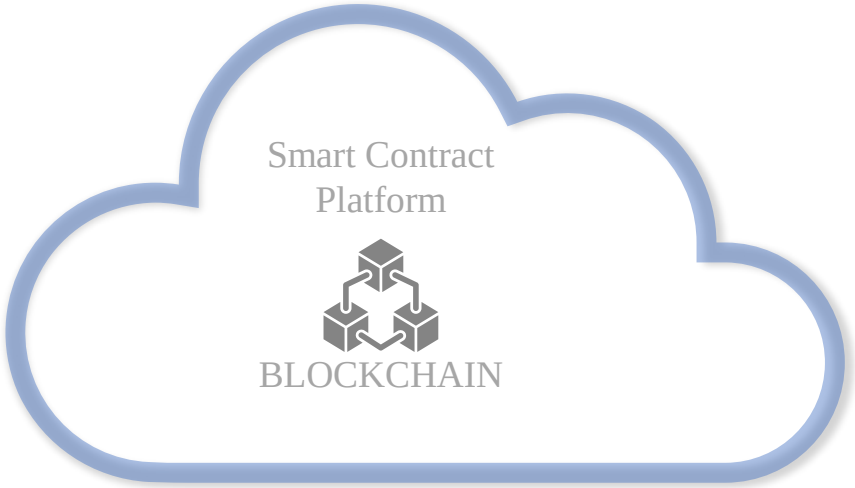

JASON
BDI Agents

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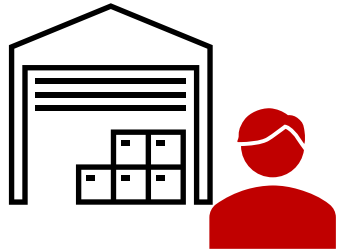
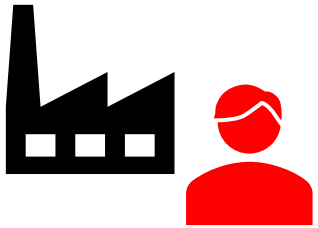
Contract



Wholesaler

SUPPLY CHAIN

Retailer



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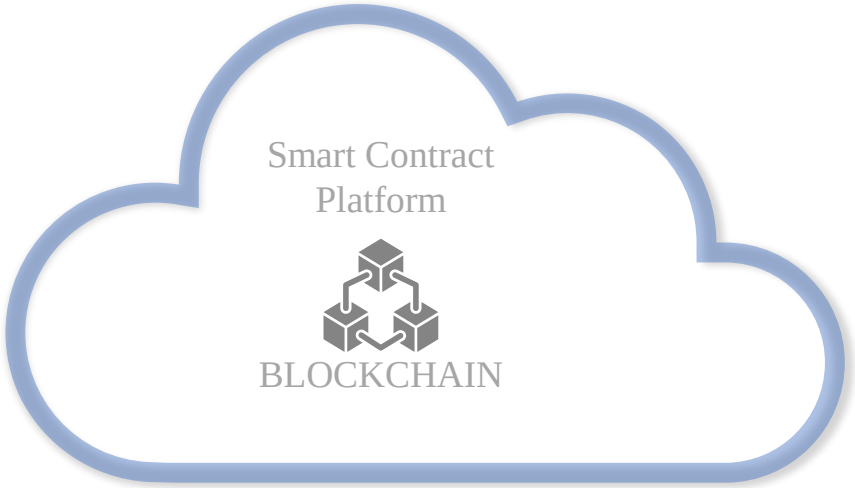


Checks the warehouse

JASON
BDI Agents

Retailer‘s
Warehouse

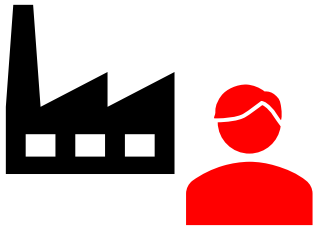
Validations

Contract

Wholesaler

SUPPLY CHAIN

Retailer



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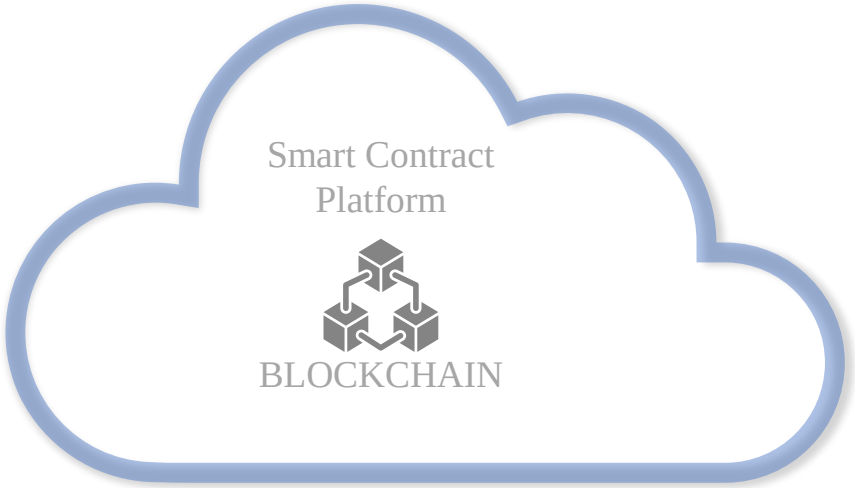

Checks the warehouse

JASON
BDI Agents

Retailer‘s
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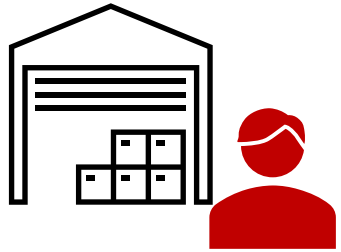
Validations

Contract

Restock? Change the status

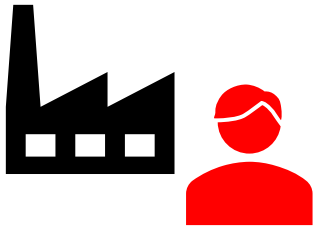


Wholesaler

- status is reflected in the transaction log stored in the blockchain digital ledger.
- Everyone involved in the supply chain can view the status and details of the contract at any time.

SUPPLY CHAIN

Retailer



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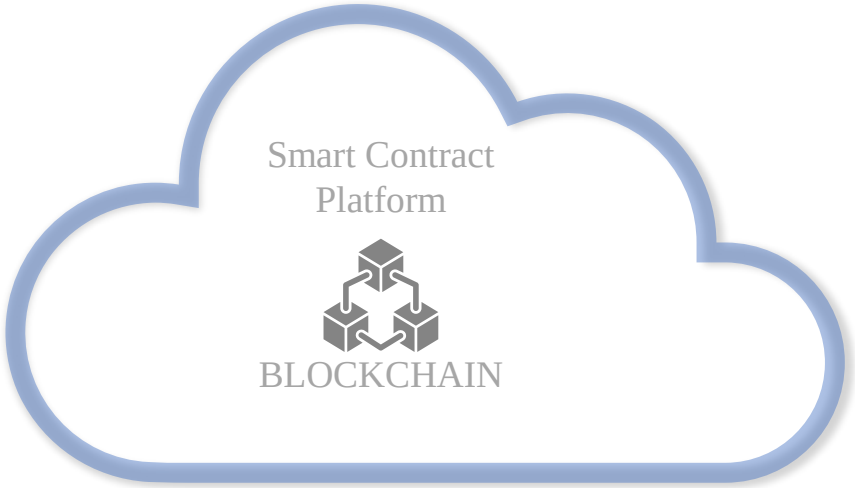

Checks the warehouse

JASON
BDI Agents

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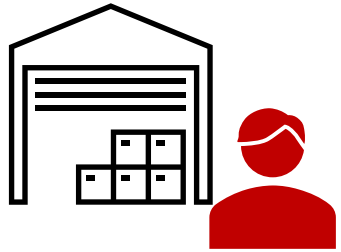
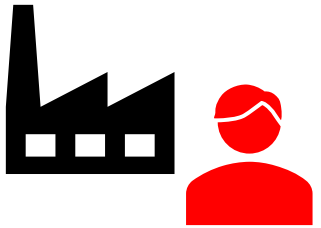


Wholesaler

SUPPLY CHAIN

Retailer



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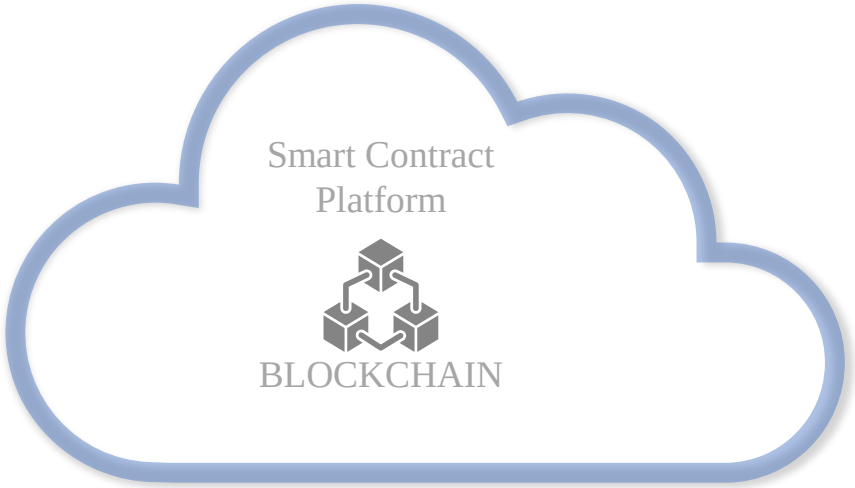


Recives delivery

Checks the warehouse

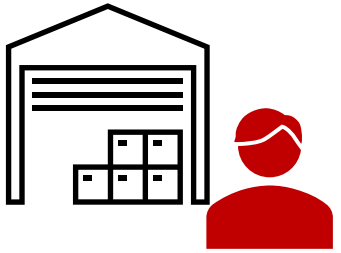
JASON
BDI Agents

Retailer‘s
Warehouse

Recives delivery

Validations

Contract

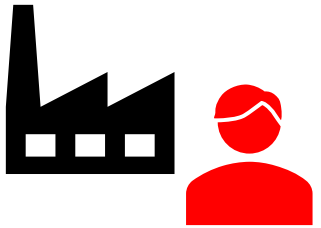


Wholesaler

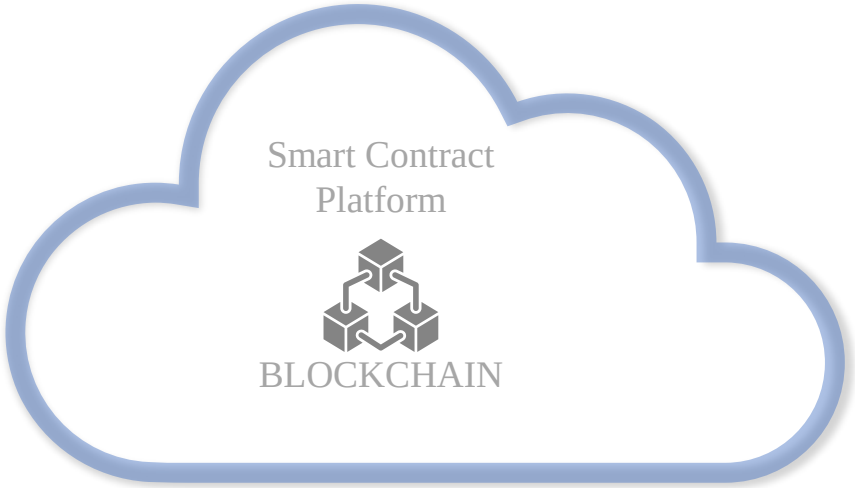
Restock? **Change the status**

SUPPLY CHAIN

Retailer



Manufacturer



Recives delivery

Checks the warehouse

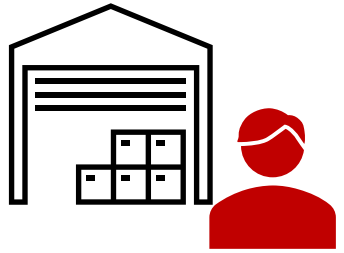
JASON
BDI Agents

Retailer‘s
Warehouse

Recives delivery

Validations

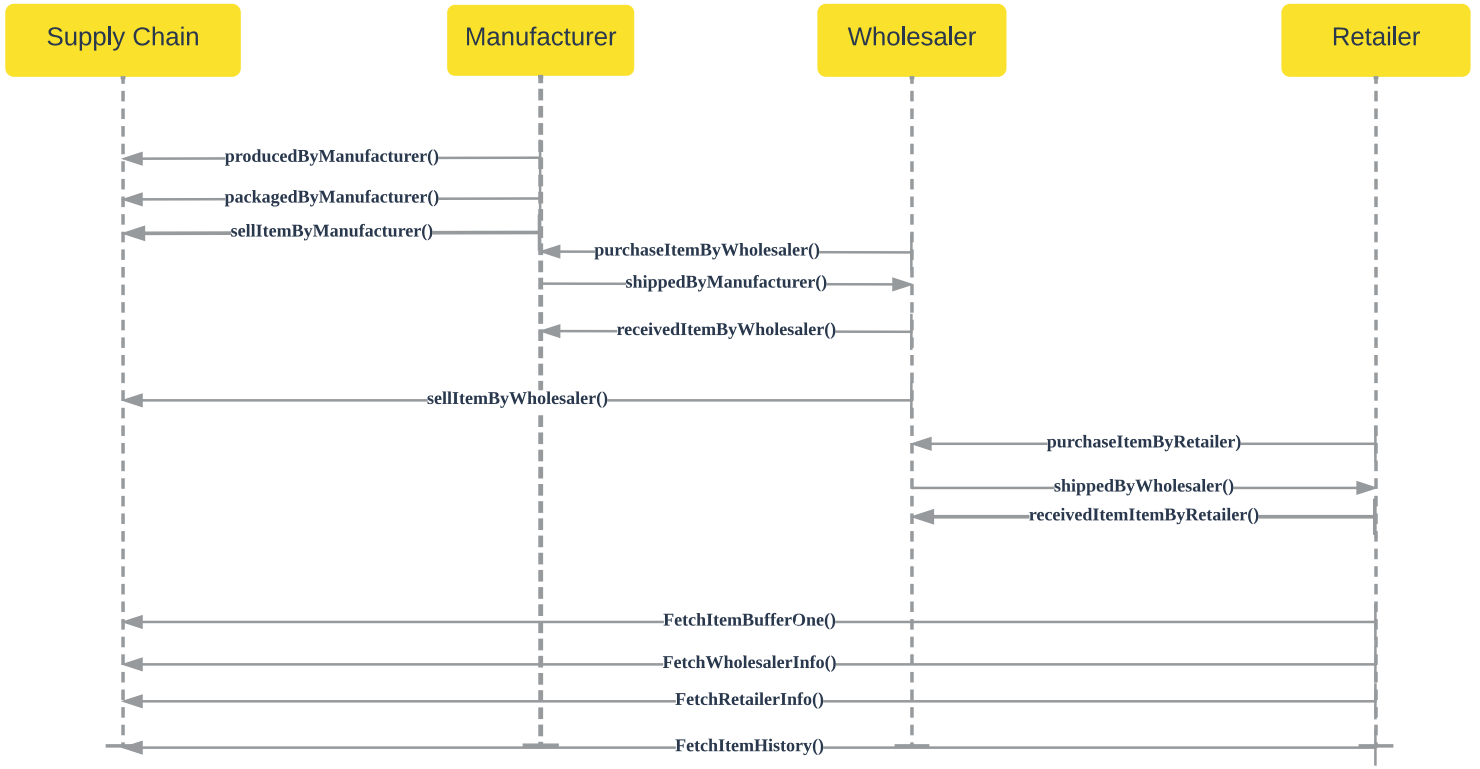
Contract



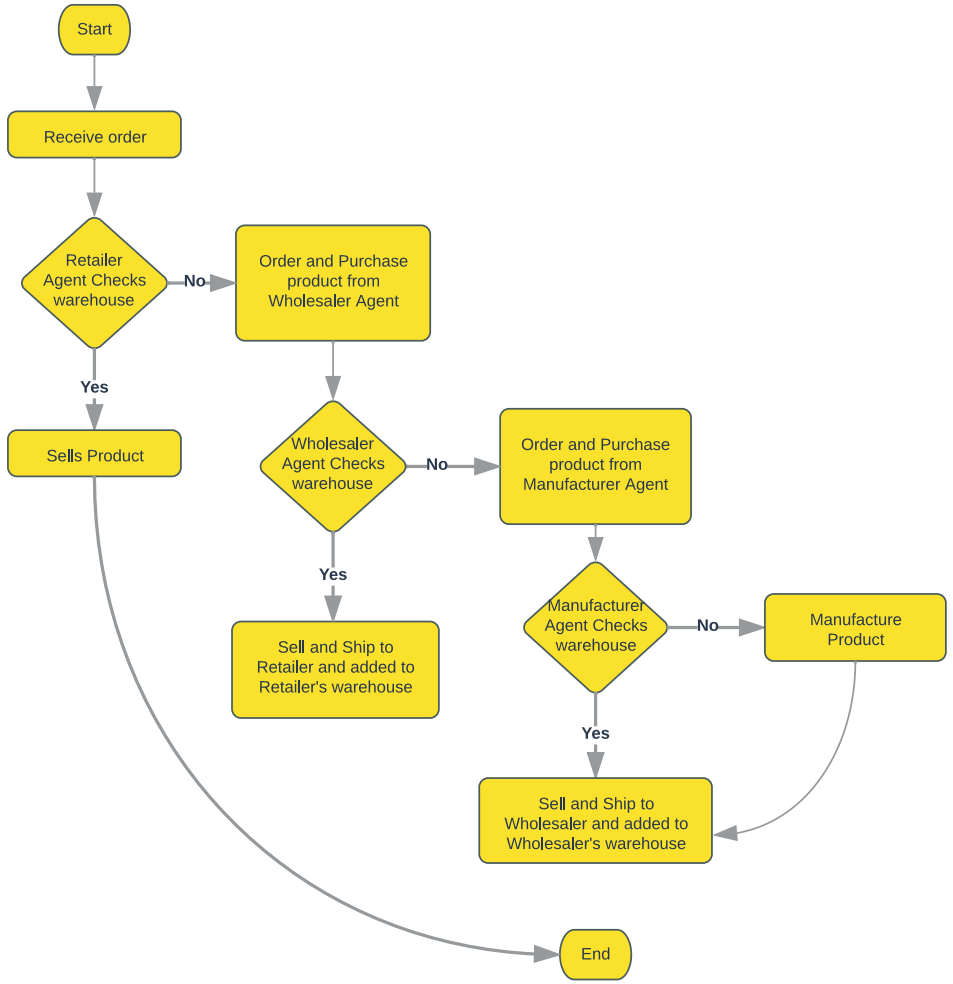
Wholesaler

Restock? Change the status

Sequence Chart



Flow Chart


Start
Receive order
Retailer Agent Checks warehouse
No
Order and Purchase product from Wholesaler Agent
Yes
Sells Product
Wholesaler Agent Checks warehouse
No
Order and Purchase product from Manufacturer Agent
Yes
Sell and Ship to Retailer and added to Retailer's warehouse
Manufacturer Agent Checks warehouse
No
Manufacture Product
Yes
Sell and Ship to Wholesaler and added to Wholesaler's warehouse
End