

The benefits of using Blockchain for SMEs

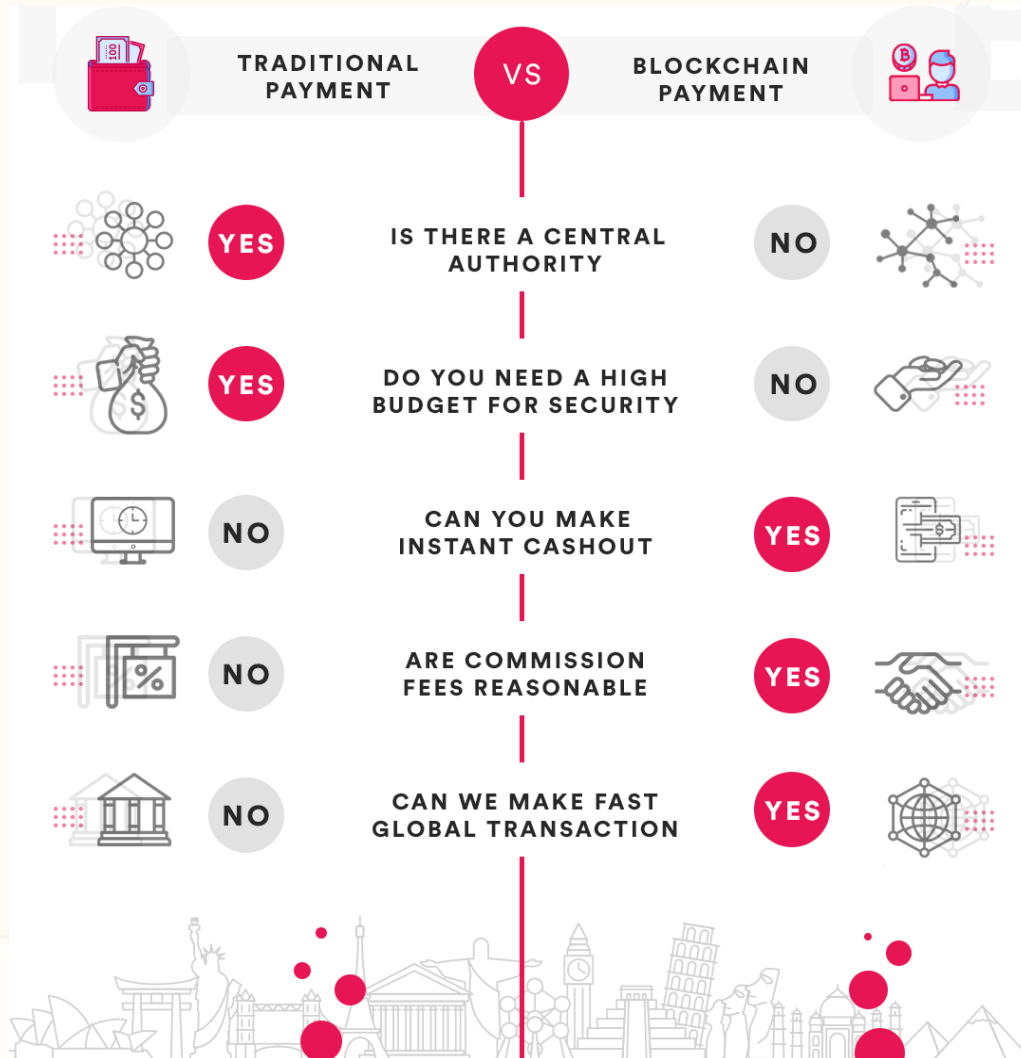
Applications and the Marketplace

BLOCKCHAIN APPLICATIONS FOR SMEs

- PAYMENT SOLUTIONS
- SMART CONTRACTS
- SUPPLY CHAIN
- DISTRIBUTED CLOUD STORAGE
- DIGITAL IDENTITY
- DATA COMMERCE















PAYMENT SOLUTIONS



SMART CONTRACTS

Traditional contracts

Smart contracts

 1-3 Days	 Minutes
 Manual remittance	 Automatic remittance
 Escrow necessary	 Escrow may not be necessary
 Expensive	 Fraction of the cost
 Physical presence (wet signature)	 Virtual presence (digital signature)
 Lawyers necessary	 Lawyers may not be necessary

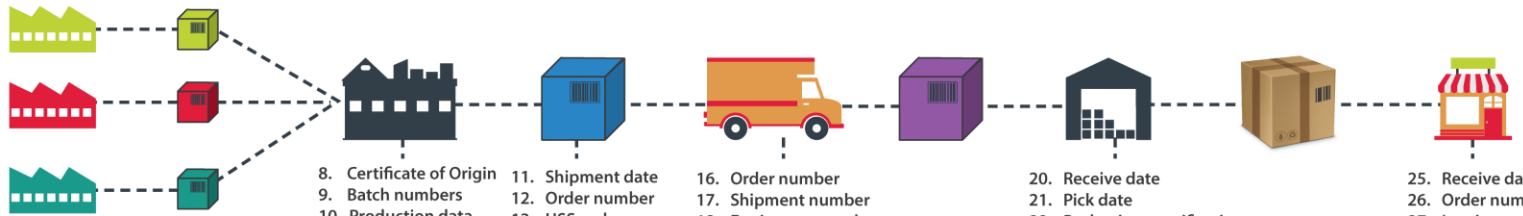
SUPPLY CHAIN

Supply

Production

Distribution

Retail, Store and Customer



1. Certificate of Origin
2. Batch numbers
3. Processing Data

4. Shipment date
5. Order number
6. HSS code
7. Barcode

8. Certificate of Origin
9. Batch numbers
10. Production data

11. Shipment date
12. Order number
13. HSS code
14. Temperature
15. Barcode

16. Order number
17. Shipment number
18. Equipment number
19. Temperature

20. Receive date
21. Pick date
22. Packaging specification
23. Packaging barcode
24. Temperature

25. Receive date
26. Order number
27. Invoice number
28. Customer ID
29. Temperature

Blockchain Record



Blockchain Smart Contract

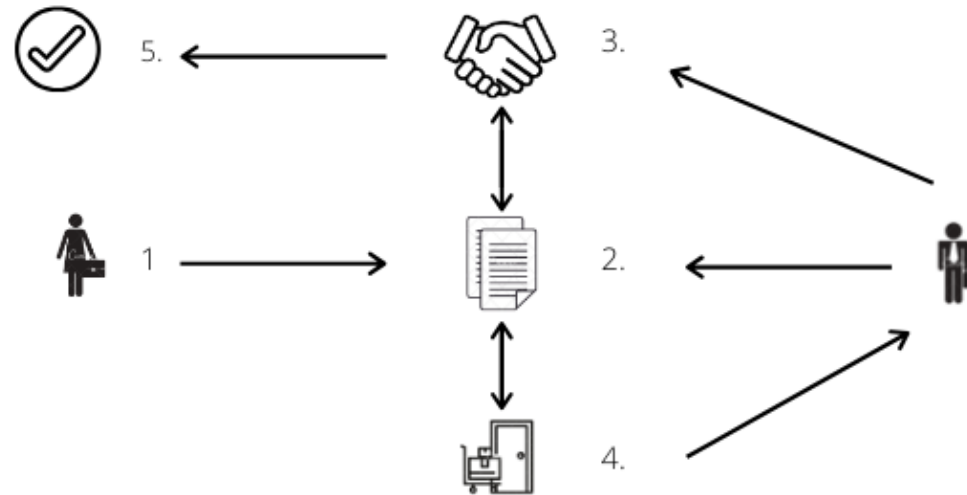
1. Match supplier, Order, Invoice, Shipment
2. Quality check against specification
3. Pay supplier

1. Match supplier, Order, Invoice, Shipment
2. Quality check against specification
3. Update inventory levels
4. Pay supplier

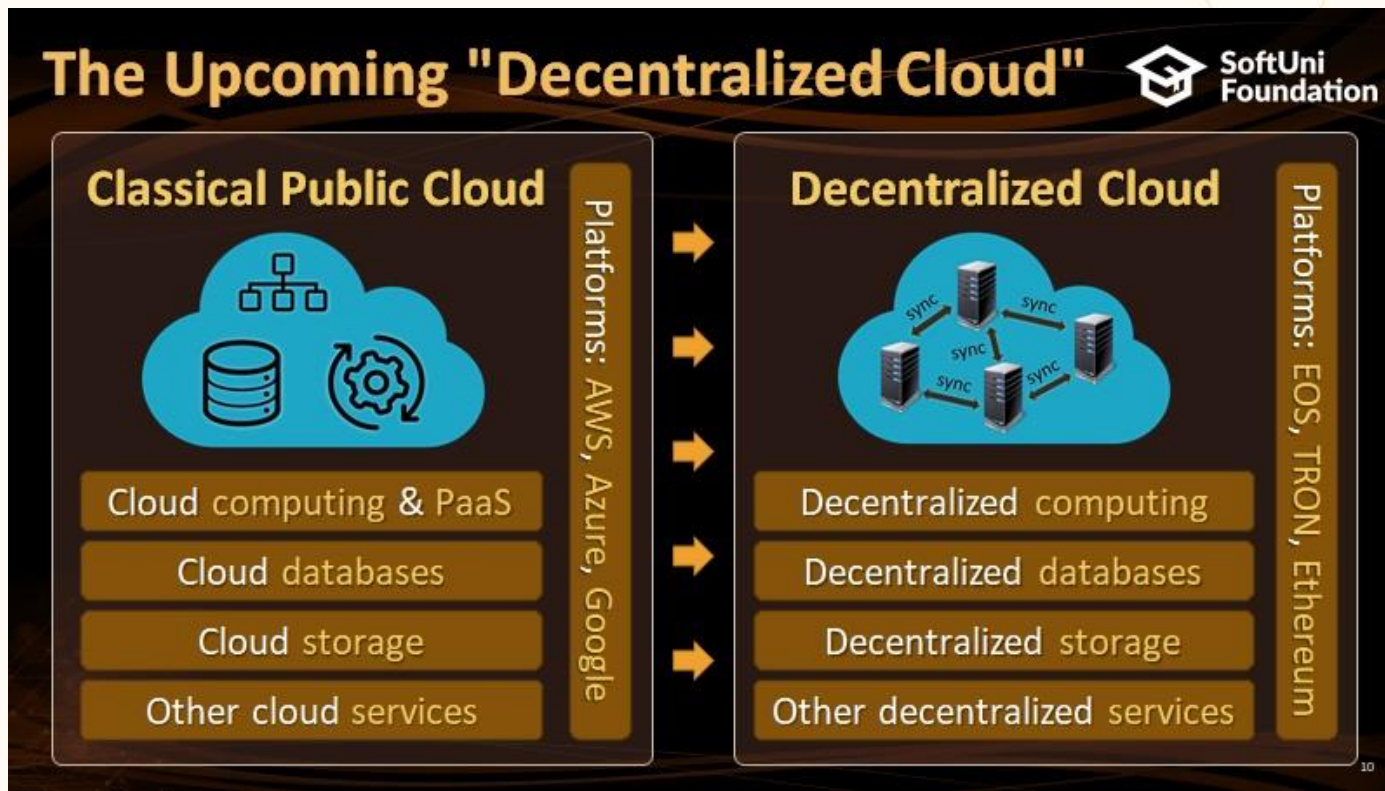
1. Match supplier, Order, Invoice, Shipment
2. Update inventory levels
3. Pay supplier

THE USE OF SMART CONTRACTS IN THE SUPPLY CHAIN LOGISTIC

1. Supplier creates SM
2. Buyer validates SM
3. Assets placed in escrow and SM is updated
4. Shipment is tracked and delivered to the buyer
5. SM releases the asset to the supplier



DISTRIBUTED CLOUD STORAGE



DIGITAL IDENTITY



Digital signature



Cryptography



Private key + Public Key

The exact identity is deemed
irrelevant



DATA COMMERCE

Blockchain-verified data sets assures

- Transparency
- Security
- Safety



IN CONCLUSION

WHY BLOCKCHAIN?



REDUCES COST

by eliminating manual processes (ex. reconciliation between multiple isolated ledgers, administrative processes, etc.)



INCREASED SPEED

of transaction and settlements through immediate distribution



INCREASED SECURITY

through use of cryptography



REDUCED FRAUD

by time-stamping entries and sharing a common, immutable ledger across the network



REDUCED RISK

of single points of failure & attack through distributed network nodes

Cyberwatching Marketplace



The Marketplace

cyberwatching.eu/market-products-list

New innovation from
European providers and
R&I projects


+70
Services listed


Free
Resources for
SMEs


+20
Workshops &
webinars


+1500
Community
members

Make it easy for new users to find you!

Publish your services,
news and videos

Promote at events and
webinars

