



Supply Chain Finance



Blockchain

A Revolutionary Technology in
Search of a Problem

What is Blockchain technology?

~~General word for Applied
Cryptography~~

~~Smart Contracts~~

~~Distributed Database~~

Atomic Broadcast

Under Adversarial Network
conditions

A blockchain is the result of a protocol where all the nodes in a network agree on a sequence of messages.

Blockchains are the 1st protocol that does this with an actively adversarial nodes and network.

Do we need a blockchain?

Digital Signatures?

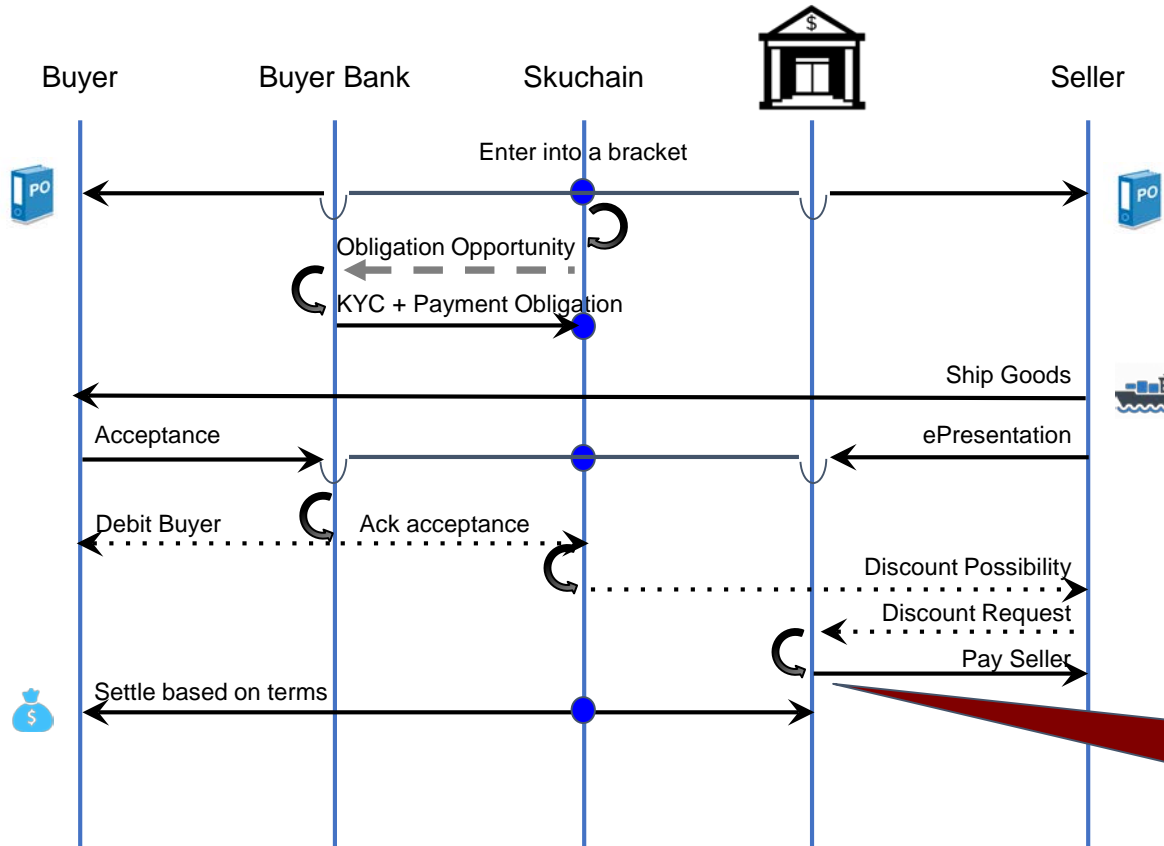
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Digital Signatures are a great system for indicating the authenticity and sufficient and assent between two parties.

Digital Signatures alone do not solve the problem of assent between 3 + parties.

Blockchains solve the
problem of attestation +
privacy + fair
computation

BBO: Blockchain Based Obligation



BBO v. BPO

- Ease of Integration
- Ease of Adoption
- Buyer is protected
- Portability of Invoice and Financing
- Supply Chain and Deep Tier Financing

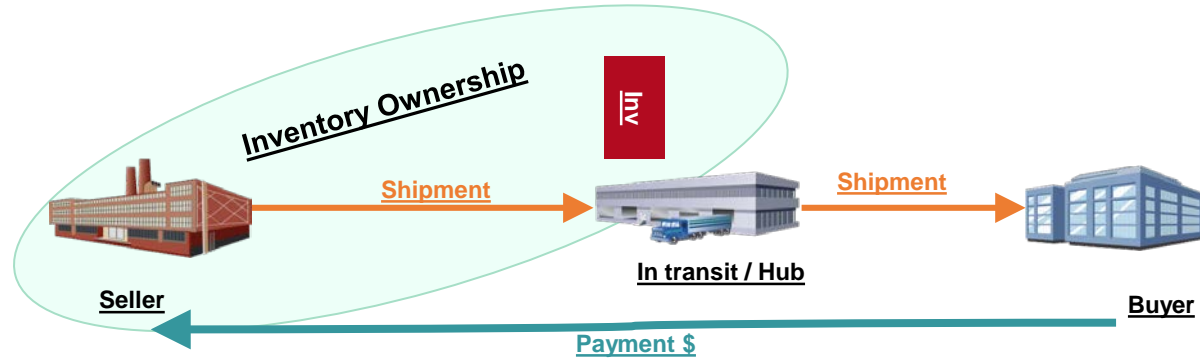
Bank
Finances

Blockchain and BBO

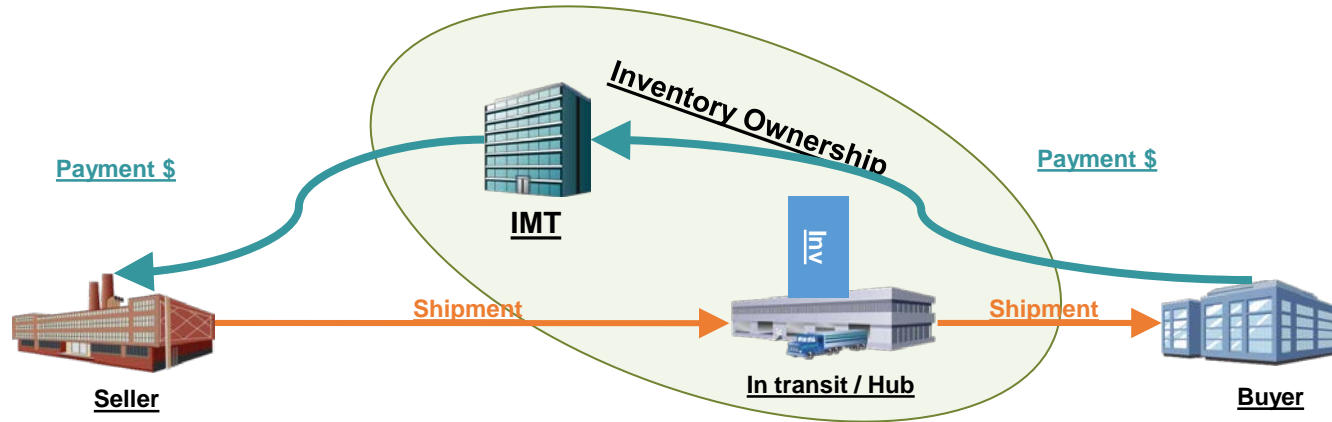
The presence of payment guarantee is an enables a variety of new financing models.

The blockchain form simplifies the usage of the payment guarantee in working capital solutions

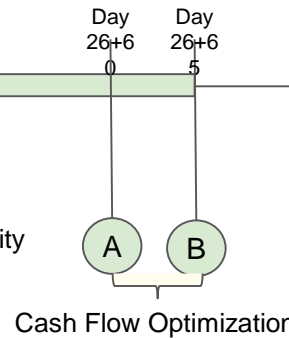
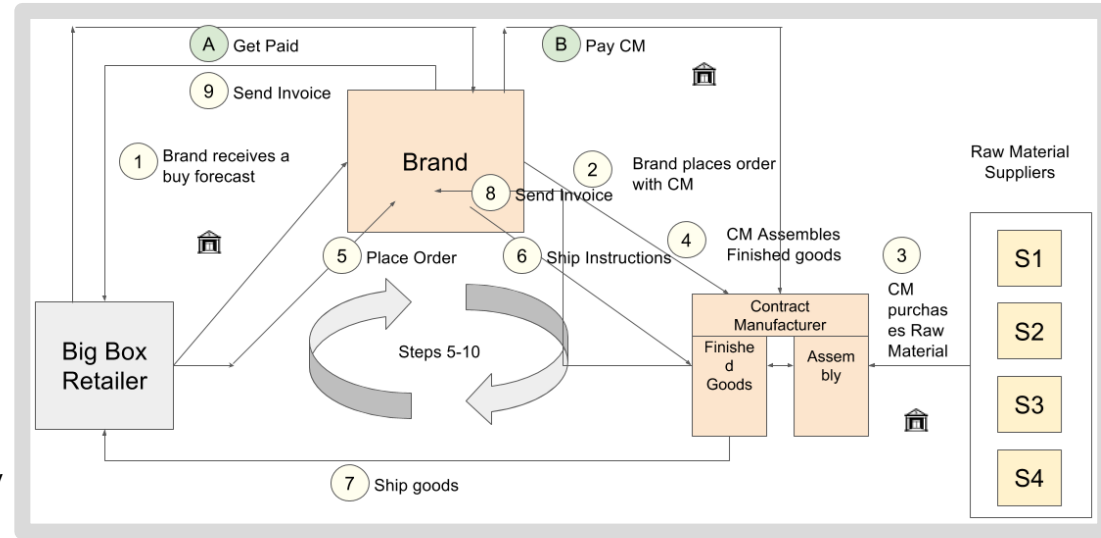
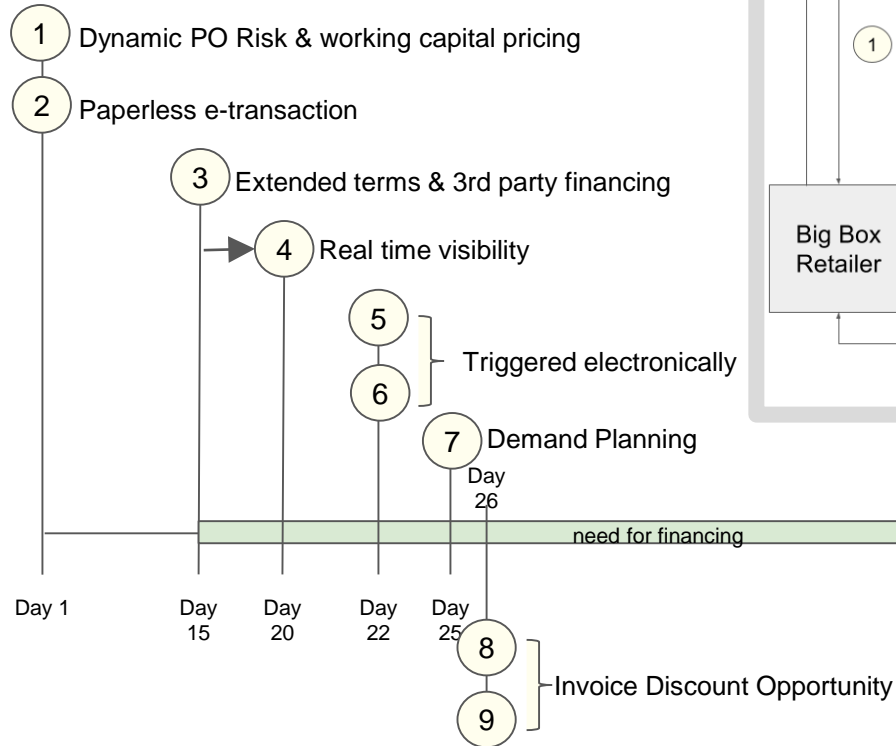
Vendor Financed



Blockchain IMT Financed



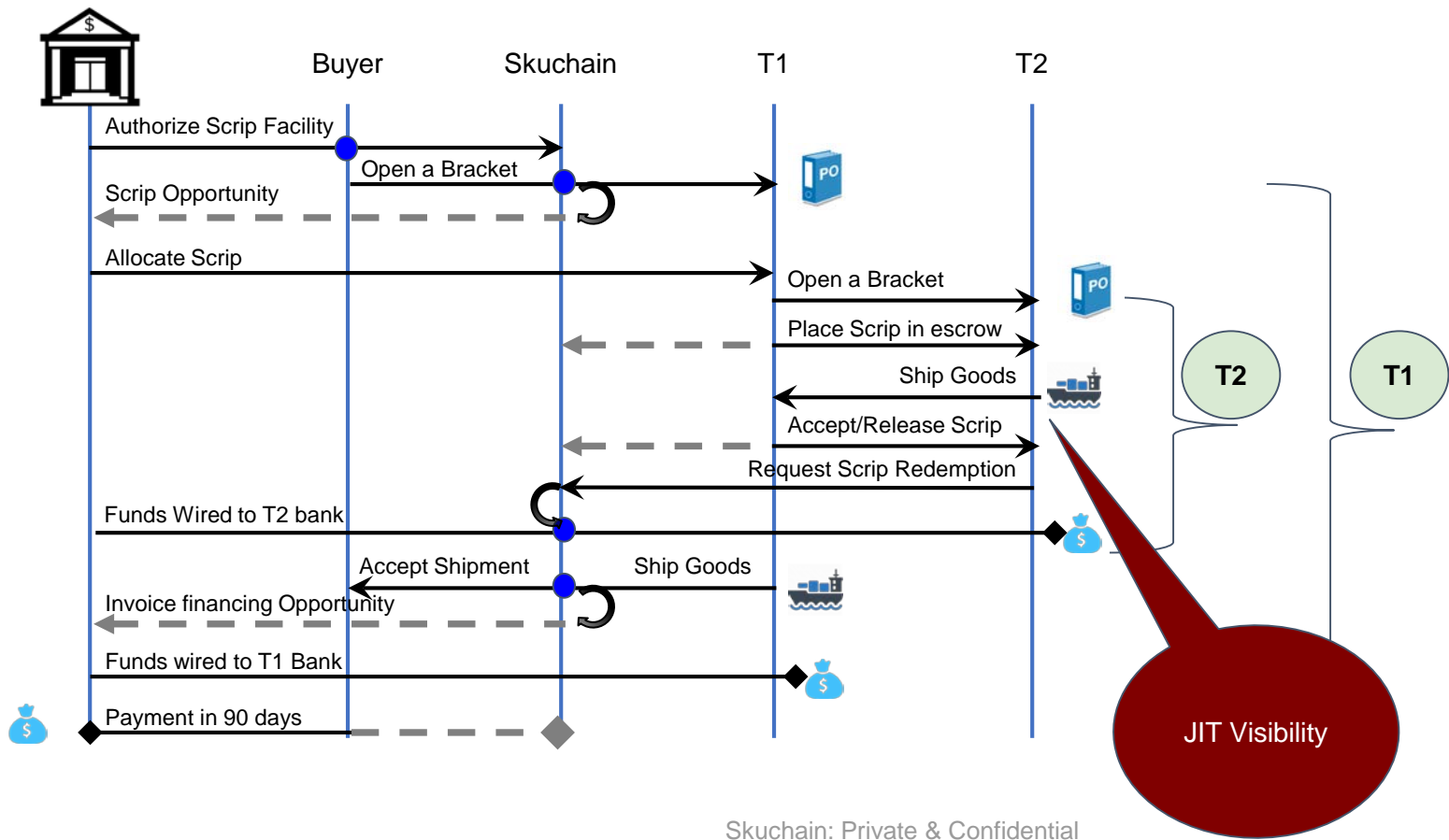
VMI Value at each step



Blockchain and VMI

VMI enables investors to invest capital in supply chains at desirable spread to the underlying risks of the buyer.

Complex administration and controls impede harvesting these investment opportunities.

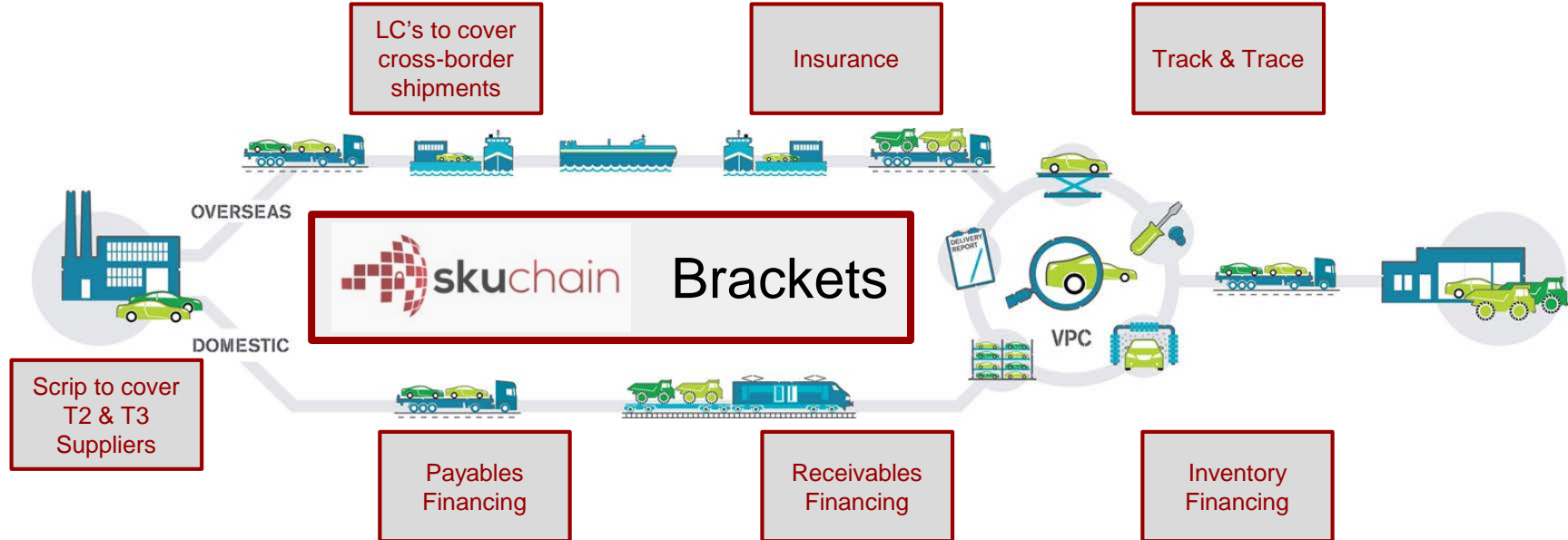


Blockchain and Deep Tier

Deep Tier accelerates access to capital up the supply chain.

Complex administration is automated via the blockchain and Tier 1 and Tier 2 buyers can preserve confidentiality from the ultimate Buyer.

Videos



The effects of Blockchain on the Supply Chain

Broaden the pool of supply chain
investors and working capital lender

Decrease the cost of working capital
into the deeper tiers of the supply
chain

Increase visibility and resilience of
the supply chain to disruption.
