

PROGRAM MATERIALS
Program #3041
February 6, 2020

How Trade Finance is Using Blockchain and Distributed Ledger Technology

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How Trade Finance is Using Blockchain and



Presented by:

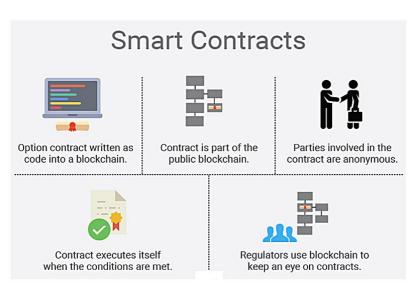
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Blockchain + Distributed Ledger Technology for the Legal + Financial Industry



Properties of Digital Ledger Technology (DLT)





Differences Between Blockchain + Distributed Ledger Technology

- Blockchain
 - **✓ Permissionless (public blockchain)**
 - Digital Assets
 - Transparent
 - Decentralized
 - No Authorization Required to Gain Access

Disadvantages: More Regulatory + Internal Oversight



- Transparent and Anonymous
- Varying Decentralization
- Governance
- Need Authorization to Gain Access

Disadvantages: More Vulnerable to Corruption + Politics

- Distributed Ledger Technology or DLT
 - Traceable
 - Transparent
 - Efficient
 - ✓ Corda is one of many DLTs
 - Corda doesn't have its own cryptocurrency



Permissionless Blockchain
https://bitcoin.org/en/
Crypto Ticker Symbol is BTC, XBT



Permissionless Blockchain https://ethereum.org/
Crypto Ticker Symbol is ETH



Permissioned Blockchain https://ripple.com/

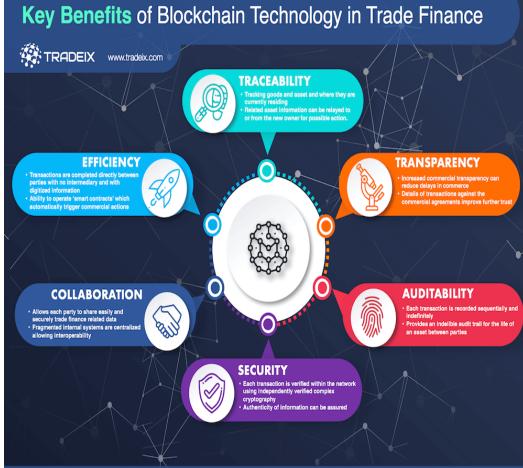
Crypto Ticker Symbol is XRP



Distributed Ledger Technology
https://www.r3.com/
Corda Platform

Trade Finance

- Traceability
 - ✓ Track goods + documents + contracts
- Transparency
 - Reduce discrepancies in documents + in contracts
- Auditability
 - ✓ Transactions are recorded sequentially
- Security
 - ✓ Verify trade + data + contracts
- Collaboration
 - ✓ Easily secure + share data + contracts
- Efficiency
 - ✓ Eliminate middlemen

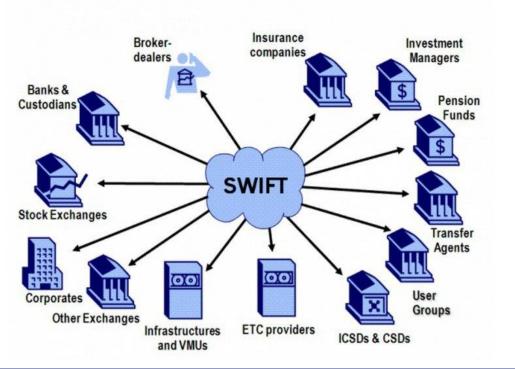


https://tradeix.com/blockchain-technology-trade-finance/

TRADEIX

Will Blockchain + Distributed Ledger Technology Replace SWIFT?

In 2019, the Society for Worldwide Interbank Financial Telecommunications partnered with R3—a blockchain company.





https://www.swift.com/



https://www.stellar.org/



Smart Contracts or DApps on the Blockchain Platform

- ☐ Smart Contracts or Decentralized Applications or DApps Solutions to:
 - ✓ Eliminate middlemen for transactions
 - Create a secure network to use cryptocurrency as a payment method
 - ✓ Maintain records
 - ✓ Are not necessarily legal contracts
 - ✓ DApps facilitates the legal contract process
- Autonomous Trading Platforms
 - ✓ Matches buyers and sellers
- Supply Chain Platform
 - ✓ Tracks products
- DApp Challenges:
 - ✓ Scalability
 - ✓ Transparency
 - ✓ Liability
 - ✓ Amendments

https://www.stateofthedapps.com/



Consortiums

The Global Legal Blockchain Consortium is comprised of over 300 large companies, law firms, software companies, and universities that have joined to develop standards to govern the use of blockchain technology in the business of law. The consortium is focused on:

- ☐ Data integrity and authenticity for contracts, documents, and similar data
- Data privacy and security for contracts, documents, and communications
- ☐ Interoperability between large corporate legal departments and law firms
- Productivity improvements and cost savings in the operation of legal departments and law firms
- Use of blockchain to fortify and augment existing legal technology investments adding important functionality to legacy systems to extend their useful life

The Trade Finance Global Consortium assists companies to access trade and receivables through their relationships with banks, funds and alternative finance houses.

- ☐ Highlight the key technology providers, the Distributed Ledger Technologies involved, banks and participants on each network
- ☐ Provide insight into the complex ecosystem of blockchain players in trade finance



https://legalconsortium.org/

https://www.tradefinanceglobal.com/



Networks and Consortia in Trade Finance



https://www.voltron.trade/







http://www.bolero.net/home/electronic-bills-lading/



https://www.marcopolo.finance/



CargoX: https://cargox.io/

ΛKT

https://www.vakt.com/

https://www.etradeconnect.net/Portal



https://komgo.io/



https://www.tradefinanceglobal.com/posts/whos-who-the-consortia-and-networks-of-trade-finance-revealed/

Takeaways

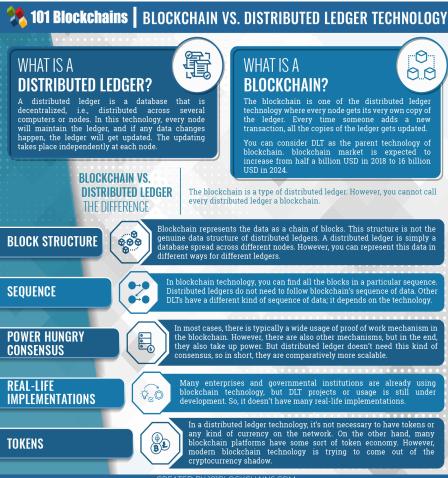
Trade Finance

- Blockchain (Permissionless (public blockchain) / Permissioned (private blockchain))
 - ✓ Smart Contracts or Decentralized Applications or DApps
 - Are not necessarily legal contracts
 - Facilitates the legal contract process
- ☐ Distributed Ledger Technology or DLT
 - ✓ SWIFT

Blockchain Technology and Distributed Ledger Technology or DLT are not the same

- Consortiums
 - ✓ The Global Legal Blockchain Consortium
 - ✓ Trade Finance Global Consortium
- Networks and Consortia in Trade Finance

https://101blockchains.com/



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Distributed Ledger Technology February 6, 2020

Thank You

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