

Interledger - Protocol connecting different Ledgers

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Blockchain
Architect

References :

<https://xpring.io/ilp-testnet-creds>

<https://interledger.org/>

<https://www.hyperledger.org/projects/quilt>

<https://medium.com/xpring/interledger-how-to-interconnect-all-blockchains-and-value-networks-74f432e64543>

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What is Blockchain?

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What is Cryptocurrency ?

...

Usage of Swapping of
Cryptocurrency?

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Blockchain Properties



Blockchain - Cryptocurrency



Cryptocurrency is digital money created from code.



The cryptocurrency economy is monitored by a peer-to-peer internet protocol.



Cryptocurrency is an encrypted string of data or a hash, encoded to signify one unit of currency.

Examples of Cryptocurrency



Bitcoin Market Cap
\$127,331,758,431



Ethereum Market Cap
\$24,383,863,767



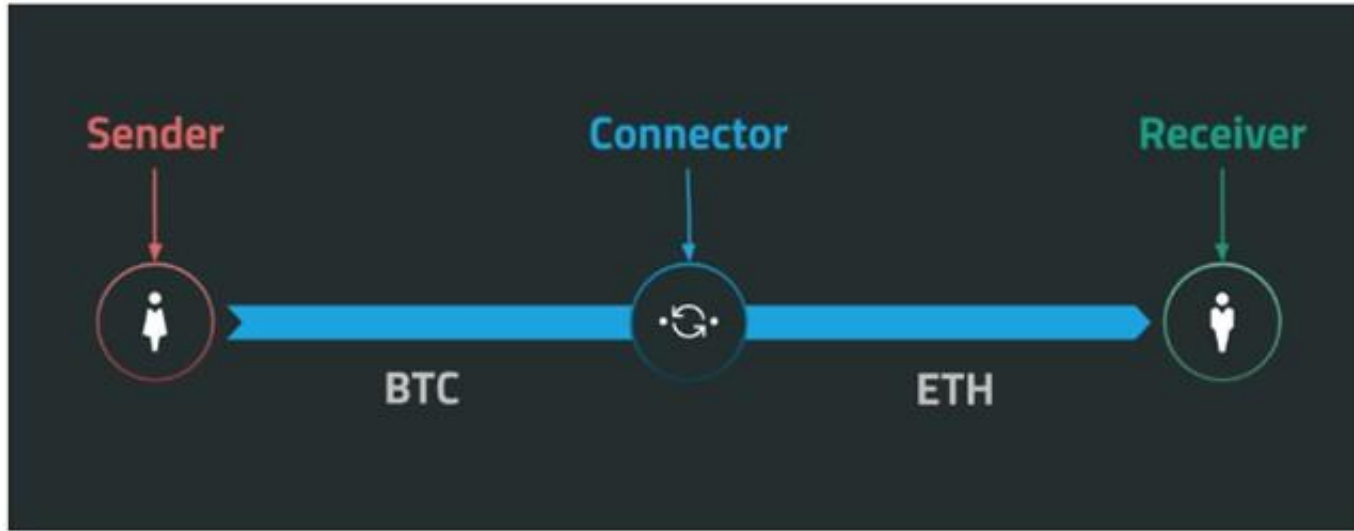
XRP Market Cap
\$18,187,690,567

Introduction

- ❖ Inteledger - Neutrality- Blockchain agnostic platform
- ❖ Decentralized Exchange
- ❖ ILP Protocol - when streaming / routing money between blockchain networks
- ❖ ILP Connectors - Trustless Sending
- ❖ Interledger - Payments possible without being tied to Payment provider
/ Currency.

Interledger

An example of Sender / Receiver transacting two different currency
using
BTC/ETH



ILP - Send - Receive Communication



Transactions in Interledger are routed via ILP packets

- Prepare Phase
- Fulfil / Reject Phase
- Connectors / Routers - Facilitates Prepare / Fulfil / Reject Phases

** socket to socket communication using WSS(Secure web socket)

Protocols over ILP

- ❖ Coil - Uses ILP for Micropayments
- ❖ Kava-labs - Uses Interledger Connectors
- ❖ MojaLoop - Uses Interledger for Interoperability & Settlements for financial inclusions
- ❖ Hyperledger Quilt - Payments service across Ledgers

Hyperledger QUILT

- ❖ Java Implementation of Interledger
- ❖ Under Hyperledger Umbrella - Linux Foundation
- ❖ ILP-Core establishes Connector / Routes
- ❖ Send / Receive Asset using Quilt

Demo - Recording

- ❖ XPRing - ILP Testnet - <https://xpring.io/ilp-testnet-creds>
- ❖ Generate XRP Credentials
- ❖ Quilt to Send & Receive Payments
- ❖ Source
: <https://github.com/rangesh-/Integerleger-Quilt>