

SmartContract

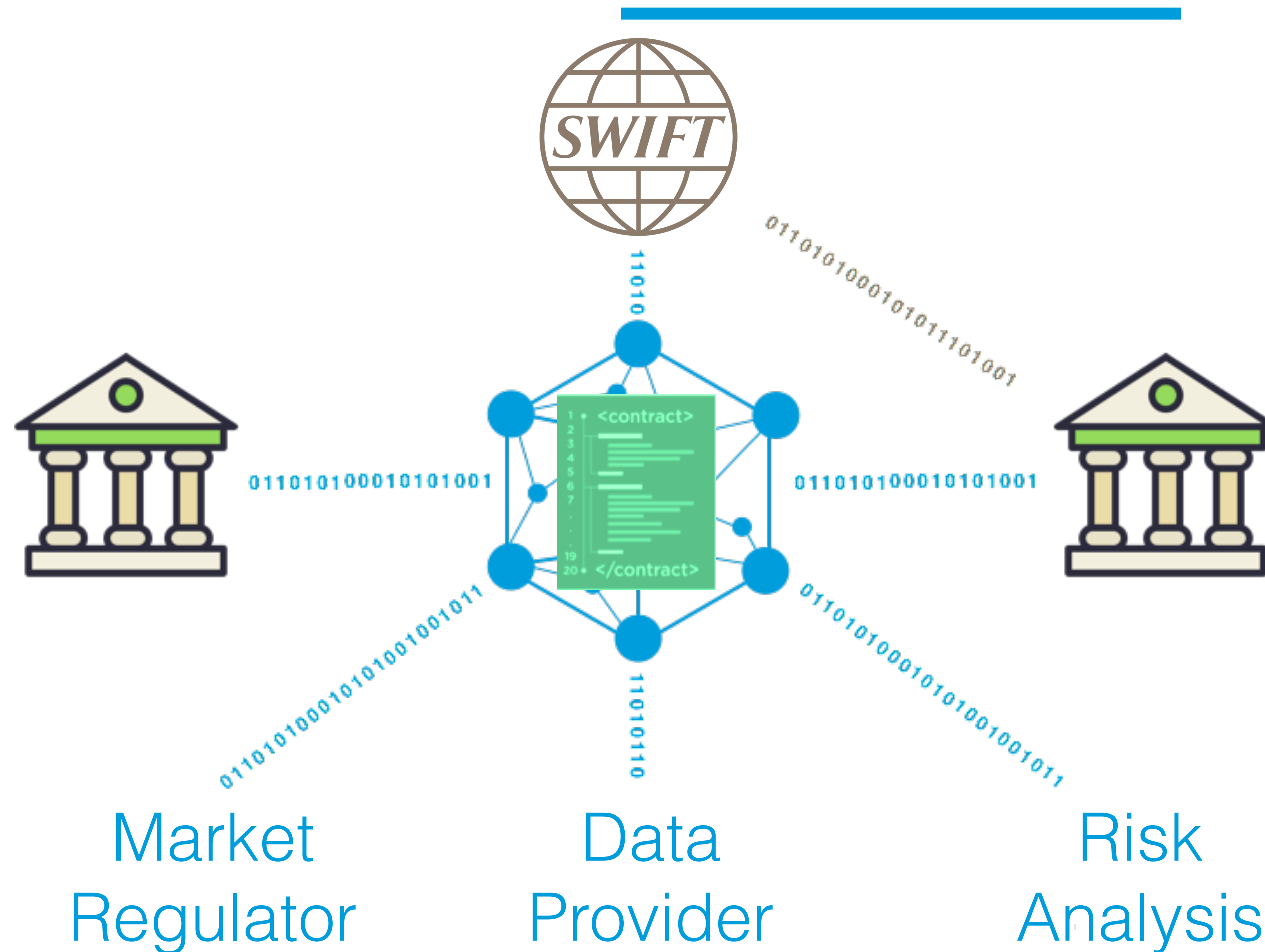
(smartcontract.com)

Bridging DLT and Smart Contracts with the
SWIFT Network and Existing Bank Systems

Sponsored by and in collaboration with

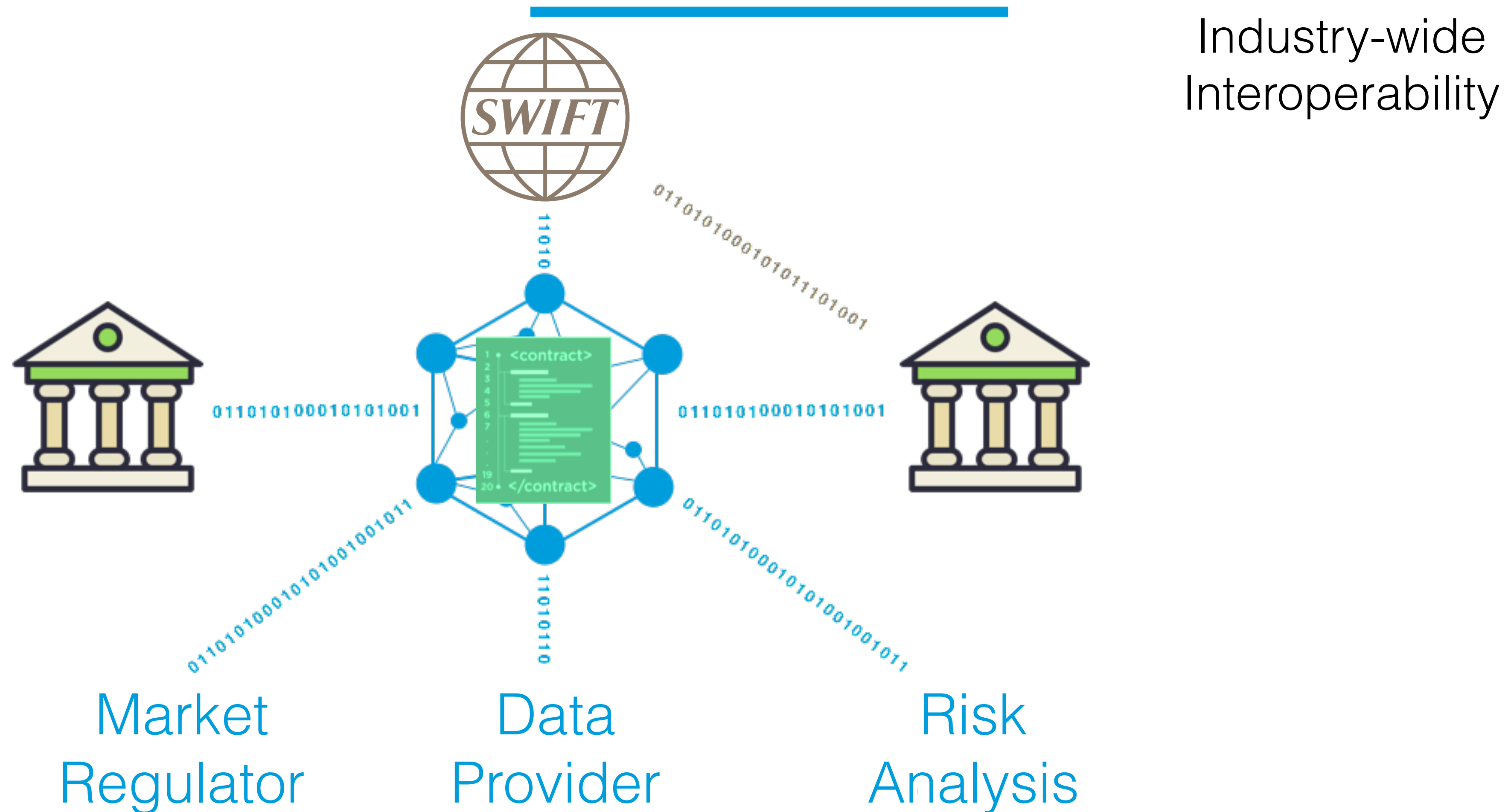


Smart Contract Securities



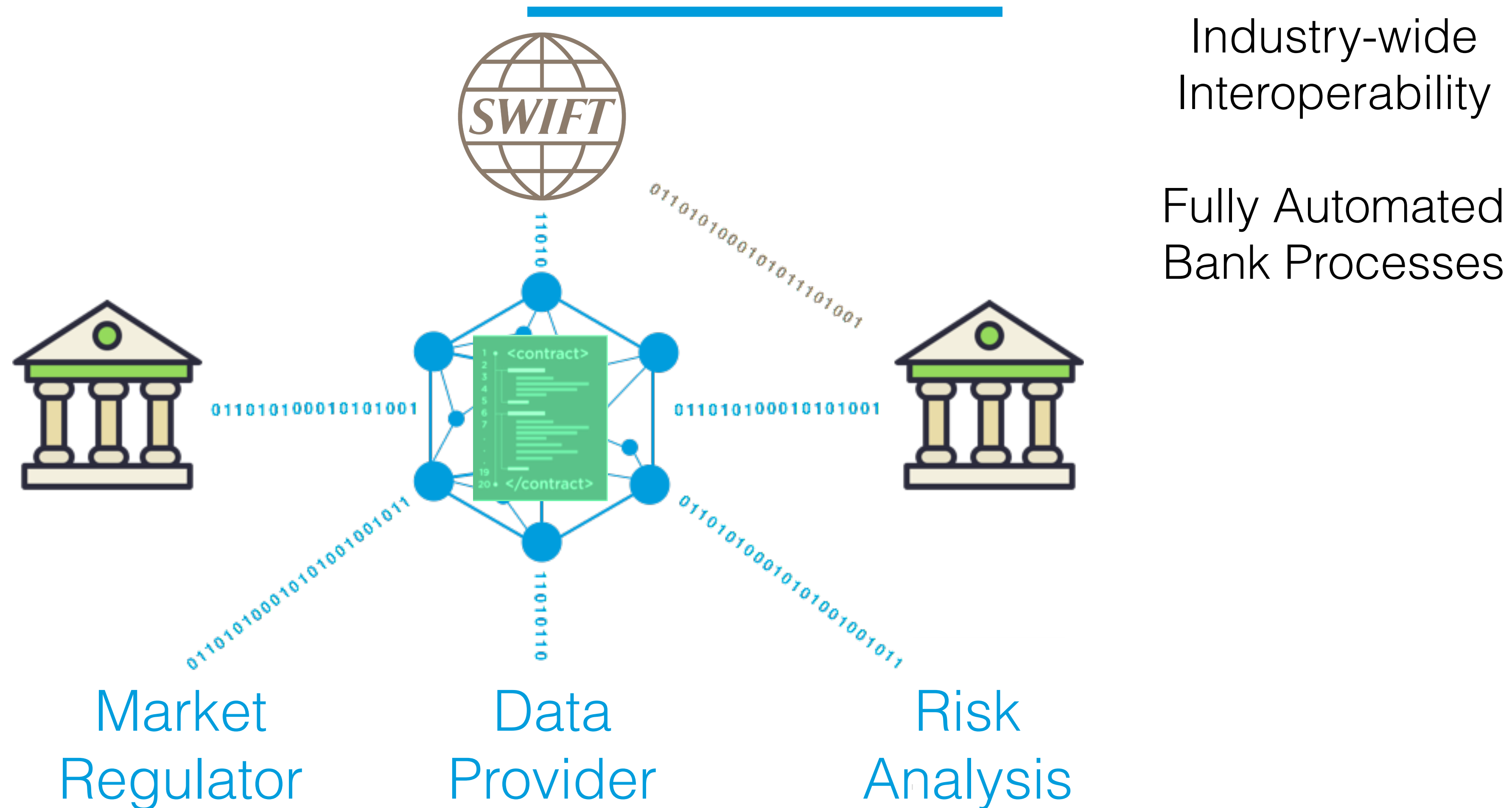
Smart Contract: a digital agreement that is tamper-proof, because it is run on a decentralized computing network.

Smart Contract Securities



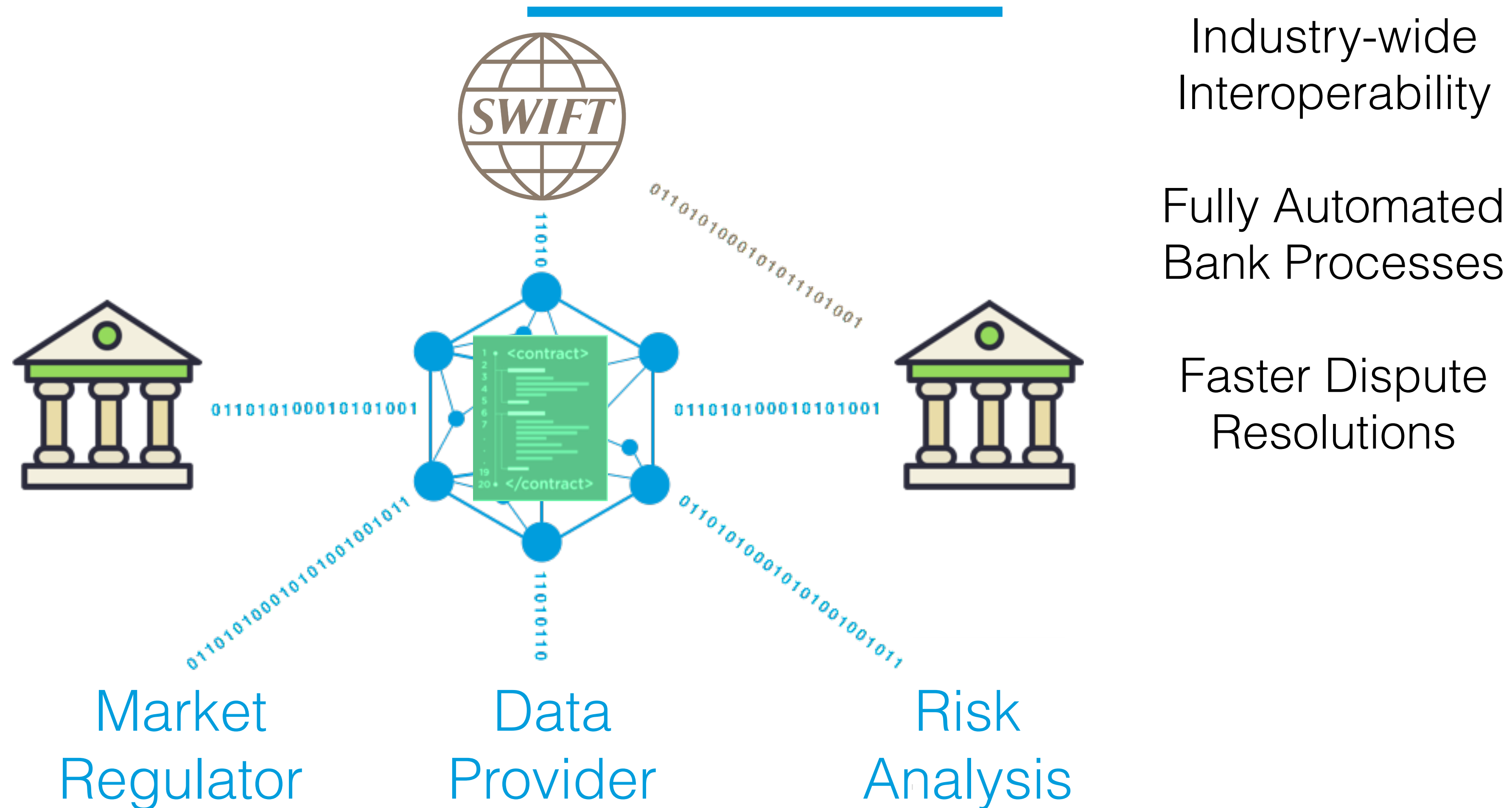
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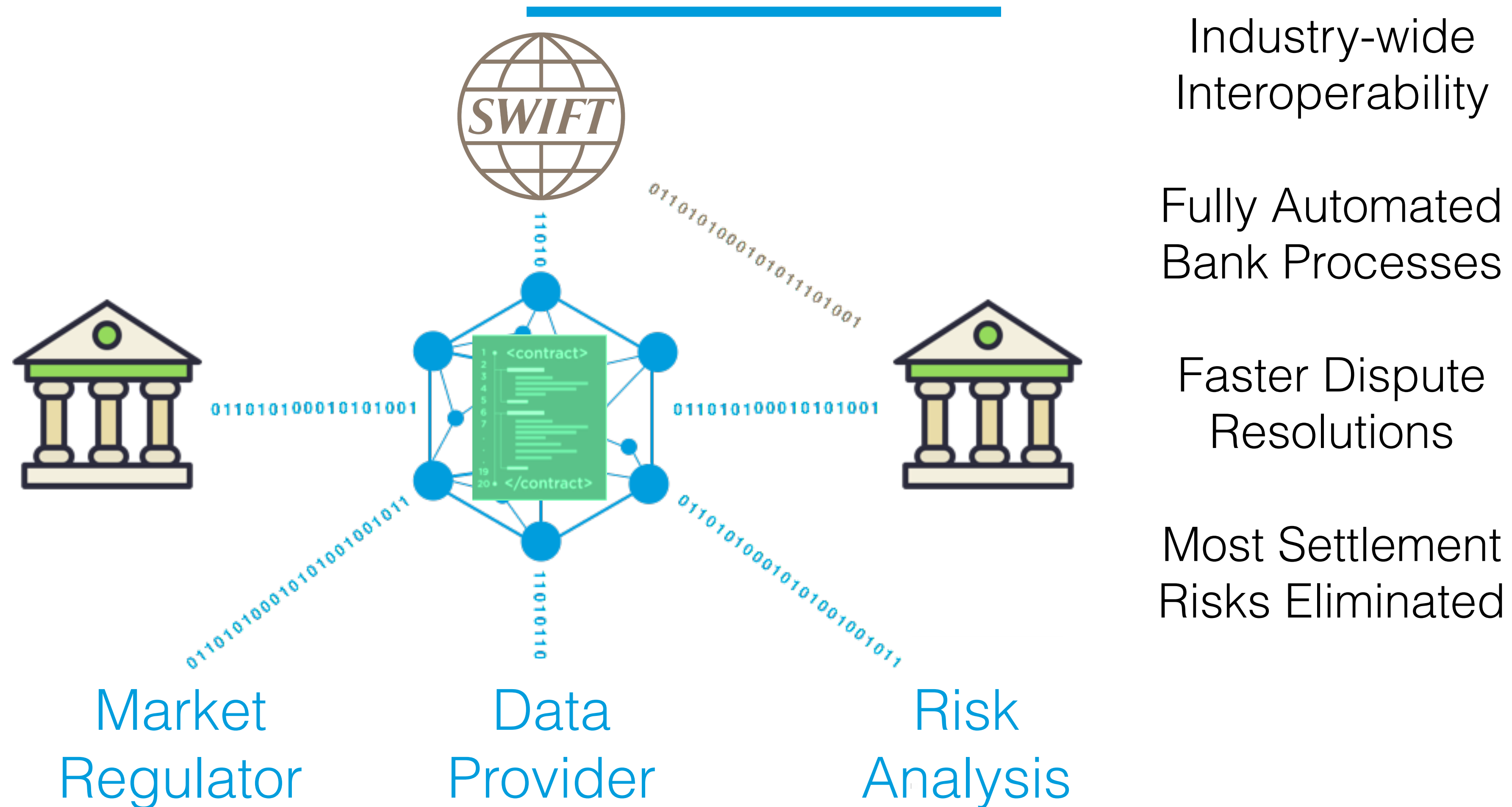
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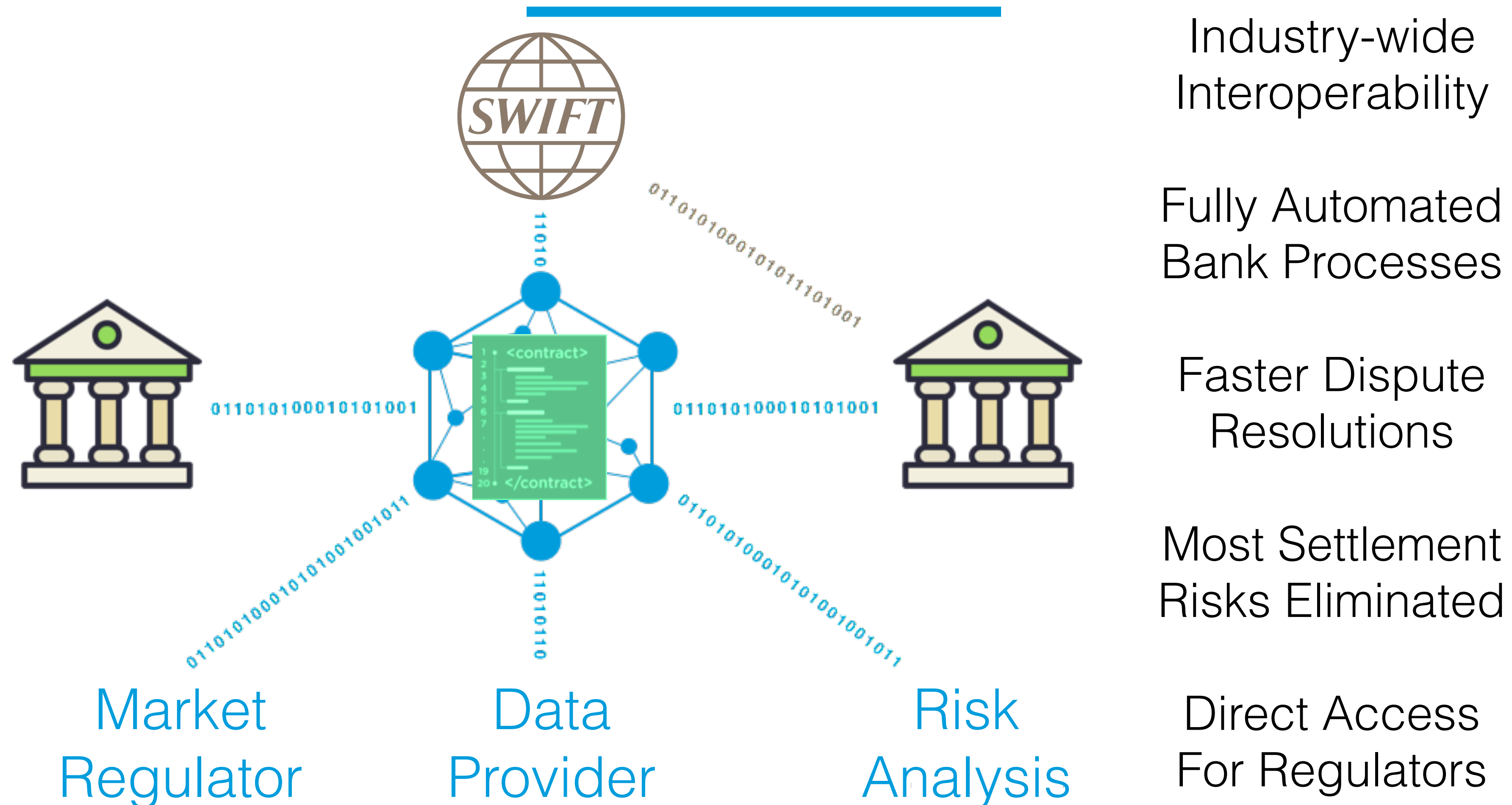
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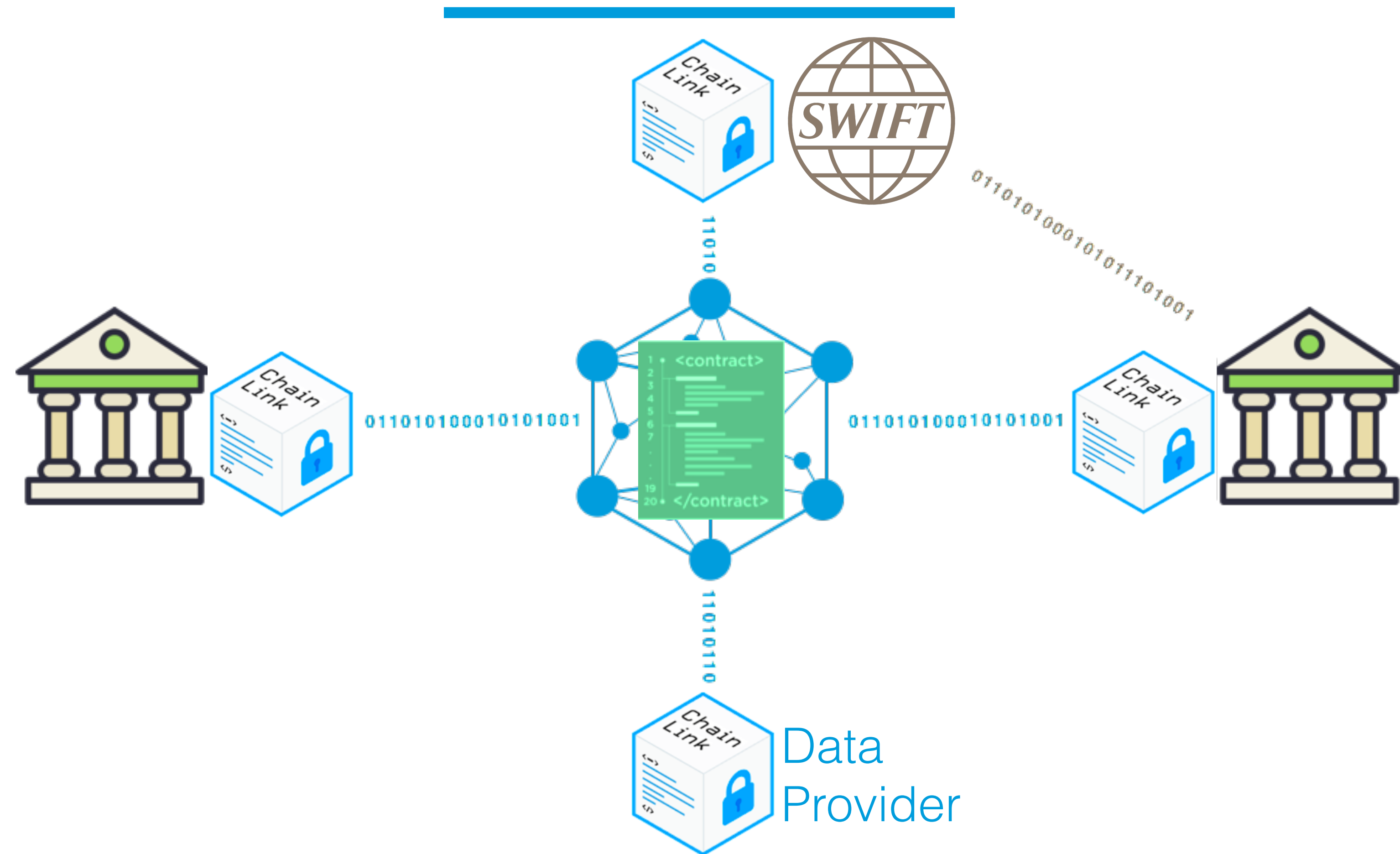
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Smart Contract Securities



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Connected Smart Contracts Need Middleware



Oracle: middleware that gives a smart contract access to systems outside its decentralized computing network.

Key Questions During Initial Implementation

- How will blockchains interact with banks to enact **payments to and from existing bank accounts?**

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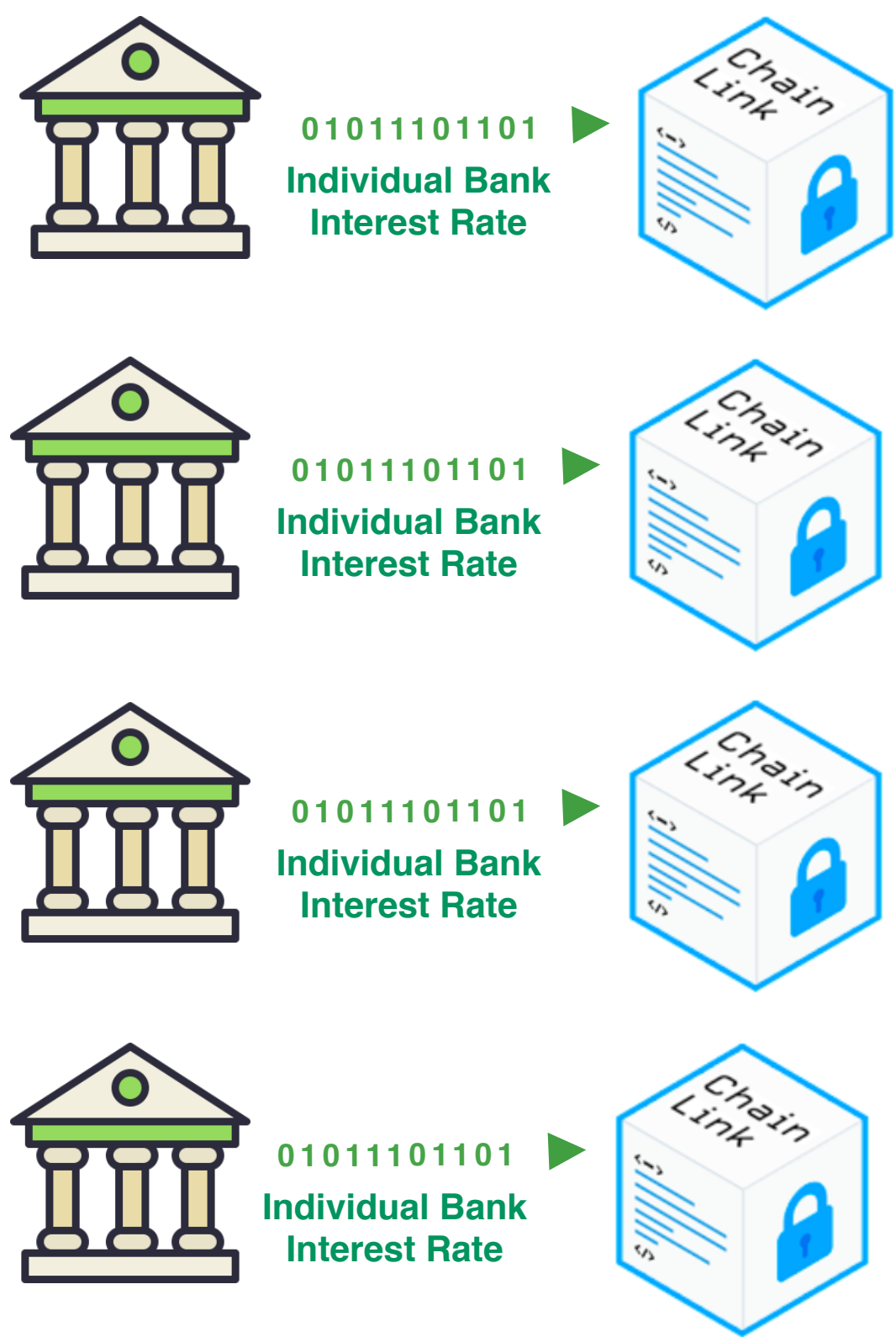
- How will blockchains interact with banks to enact **payments to and from existing bank accounts**?
- How will **asset servicing** work for smart contract securities? (signatures, dividends, collateral, etc...)

Key Questions During Initial Implementation

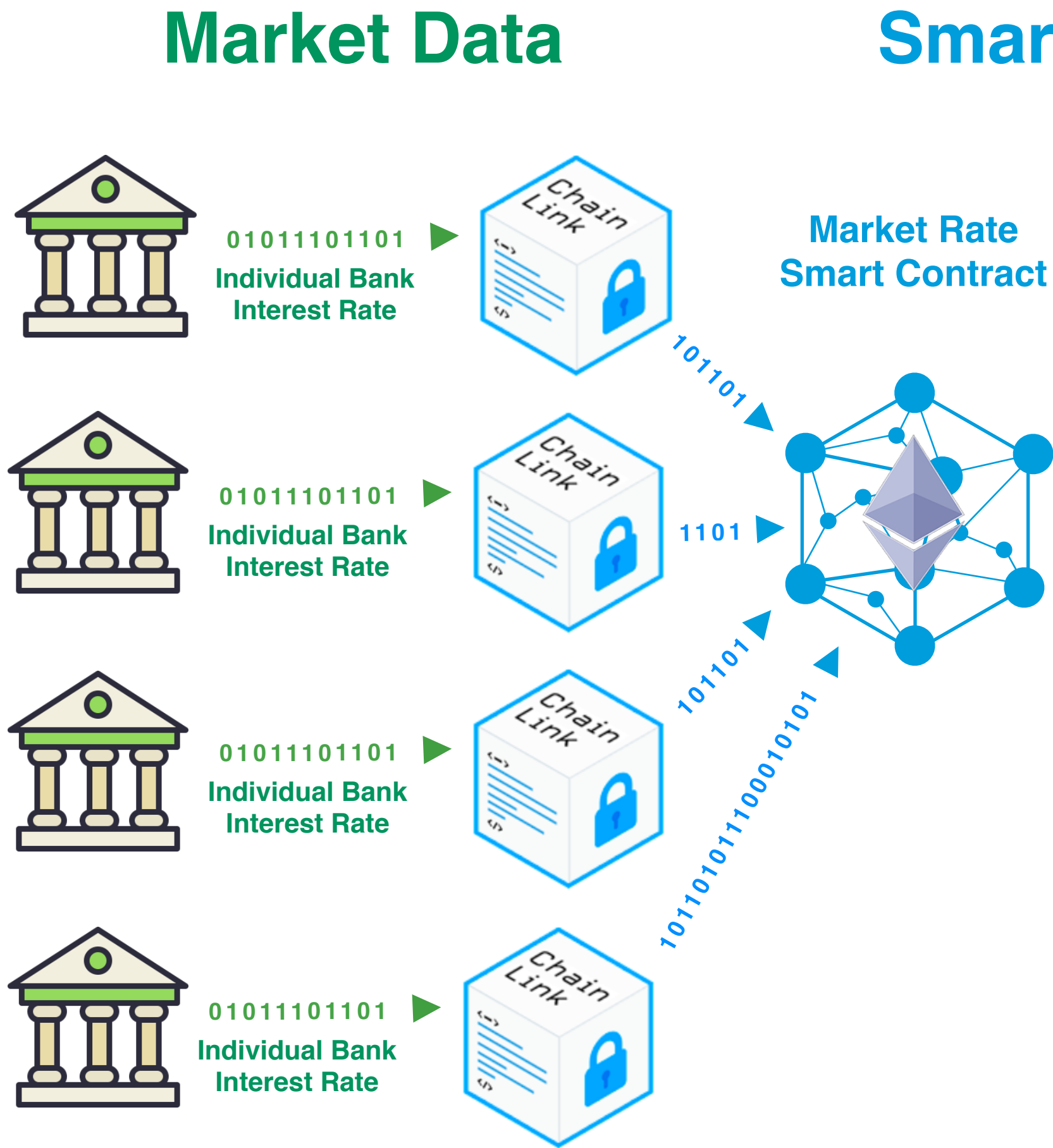
- How will blockchains interact with banks to enact **payments to and from existing bank accounts**?
- How will **asset servicing** work for smart contract securities? (signatures, dividends, collateral, etc...)
- How will **regulators** and compliance interact with smart contract securities?

Fully Connected Smart Contract Securities

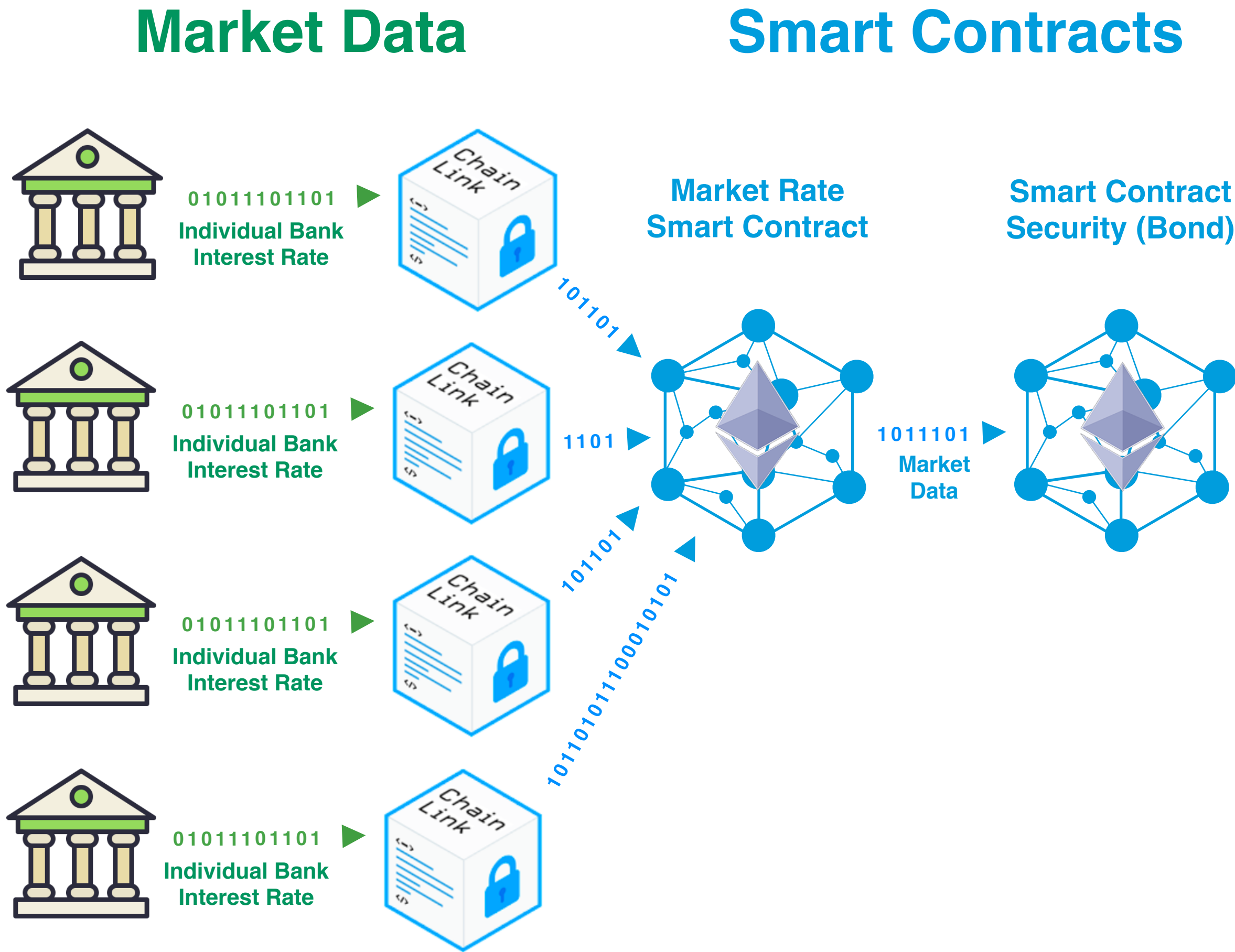
Market Data



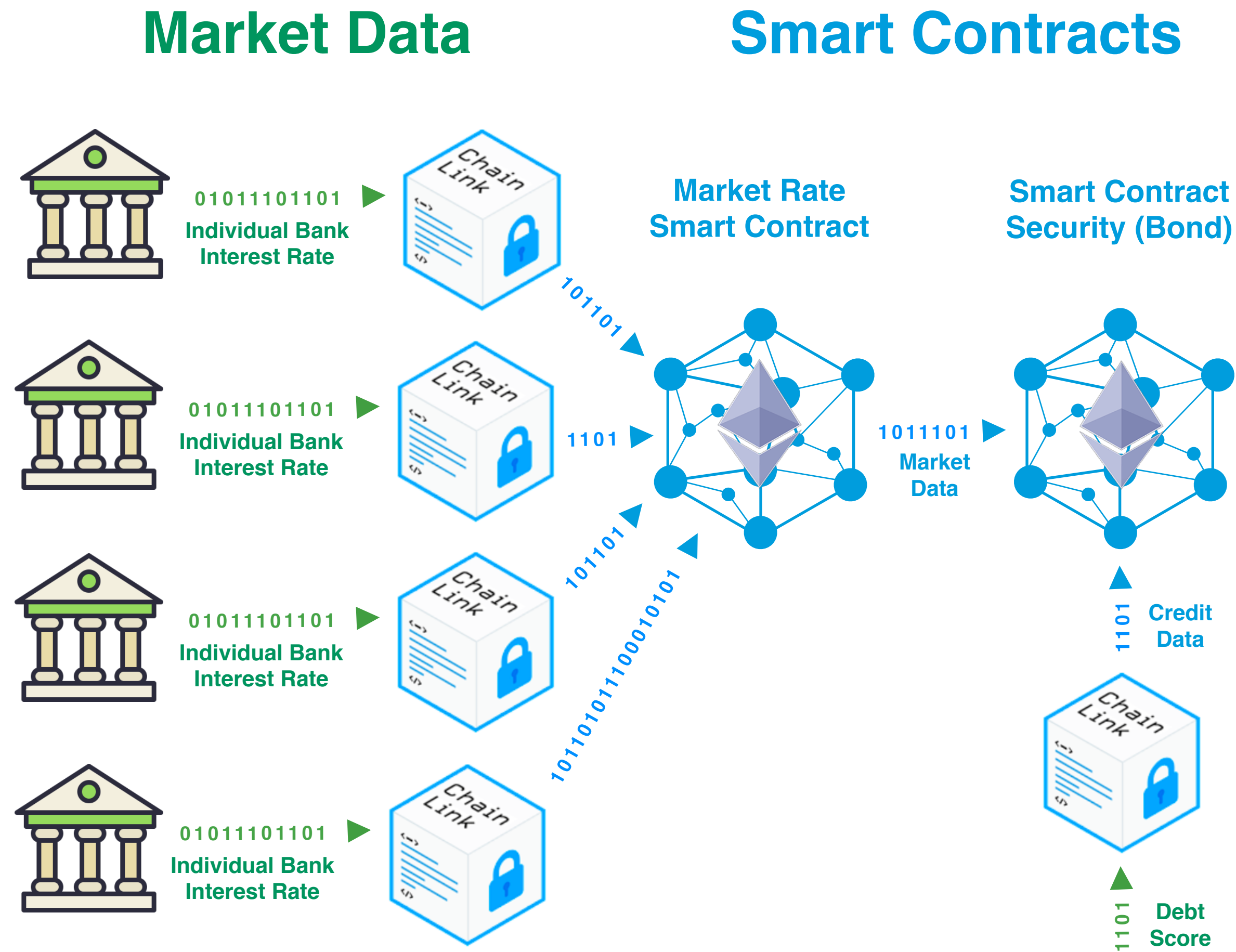
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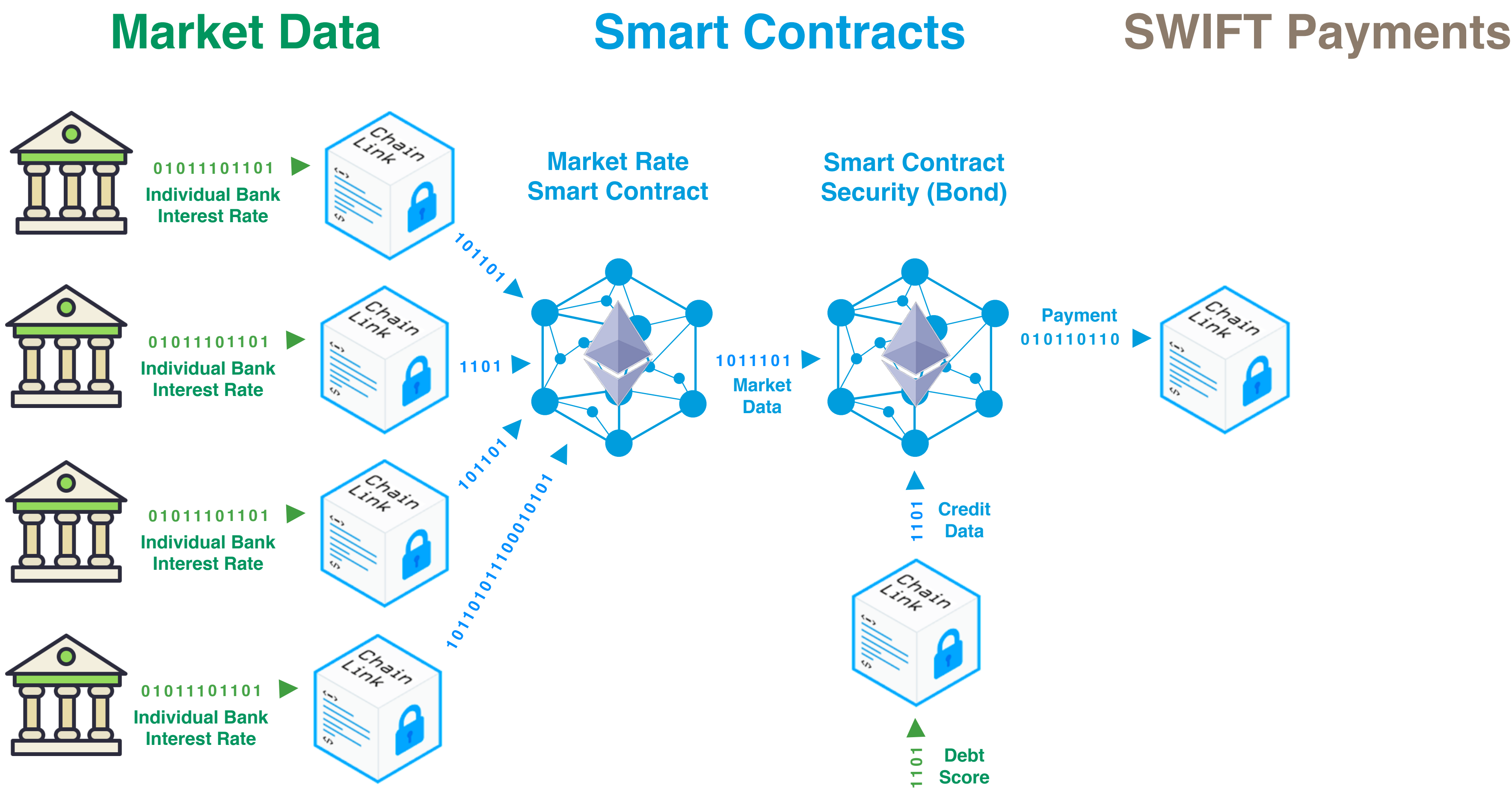


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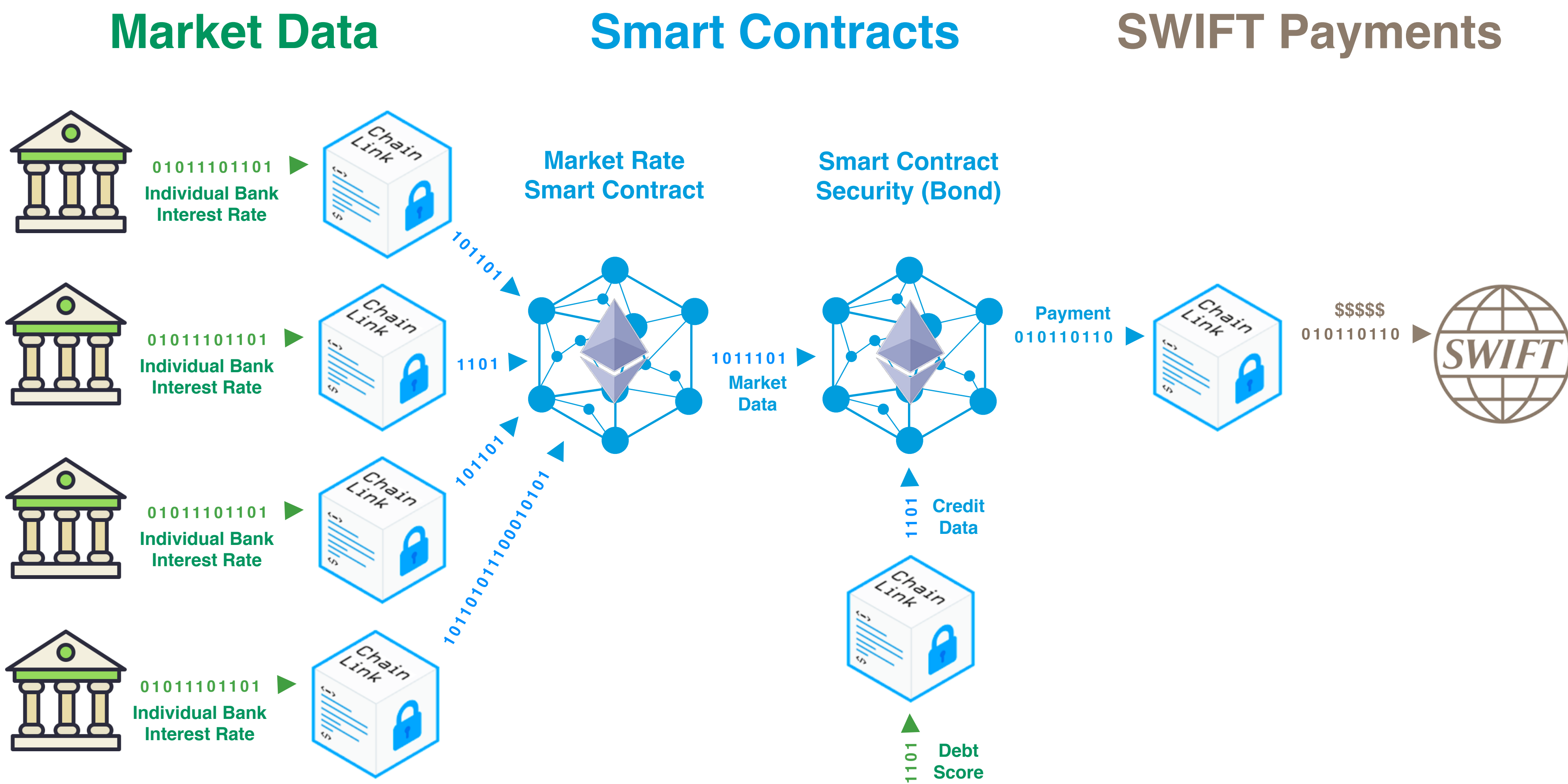
**STANDARD
& POOR'S**

Fully Connected Smart Contract Securities



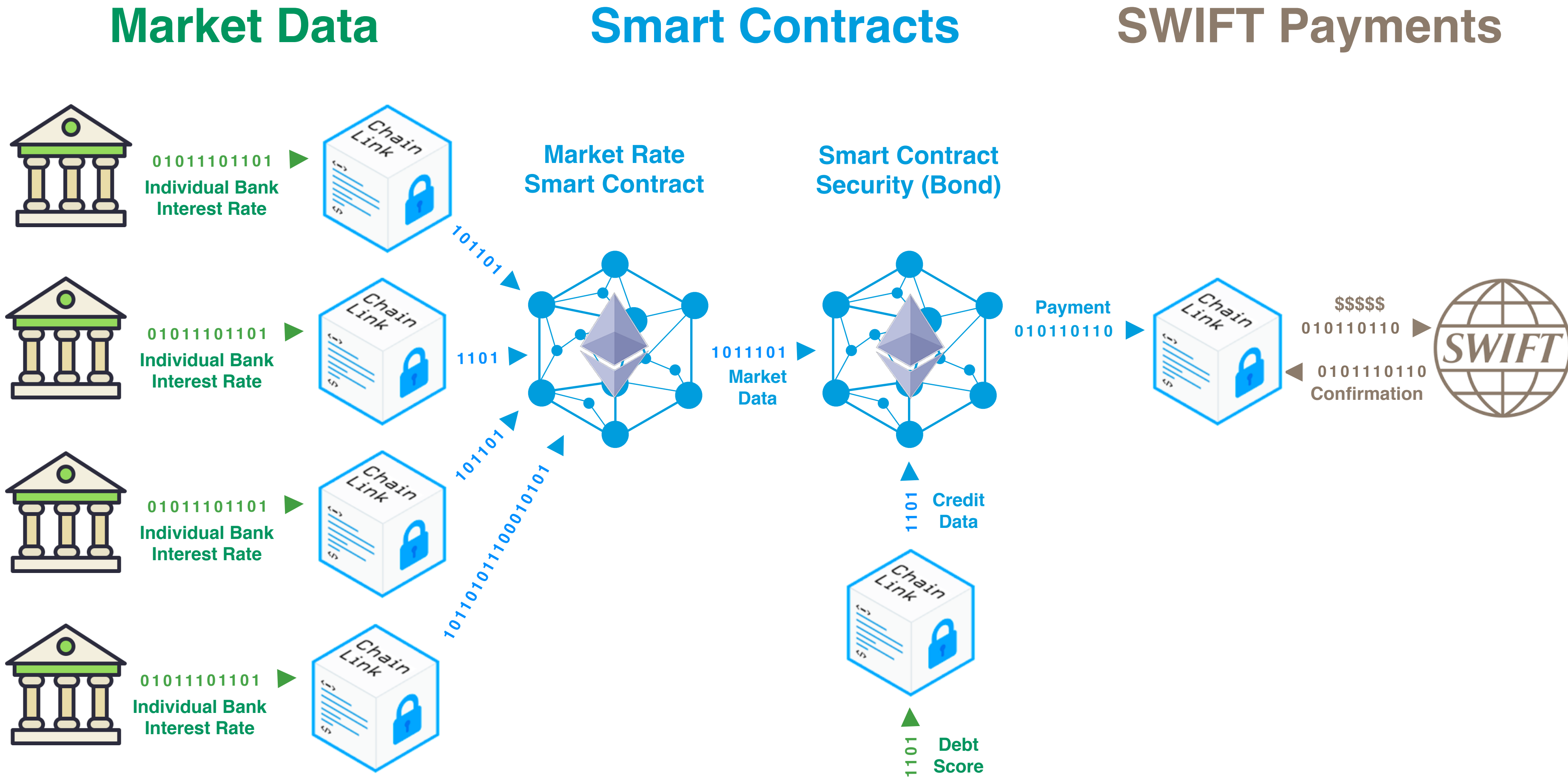
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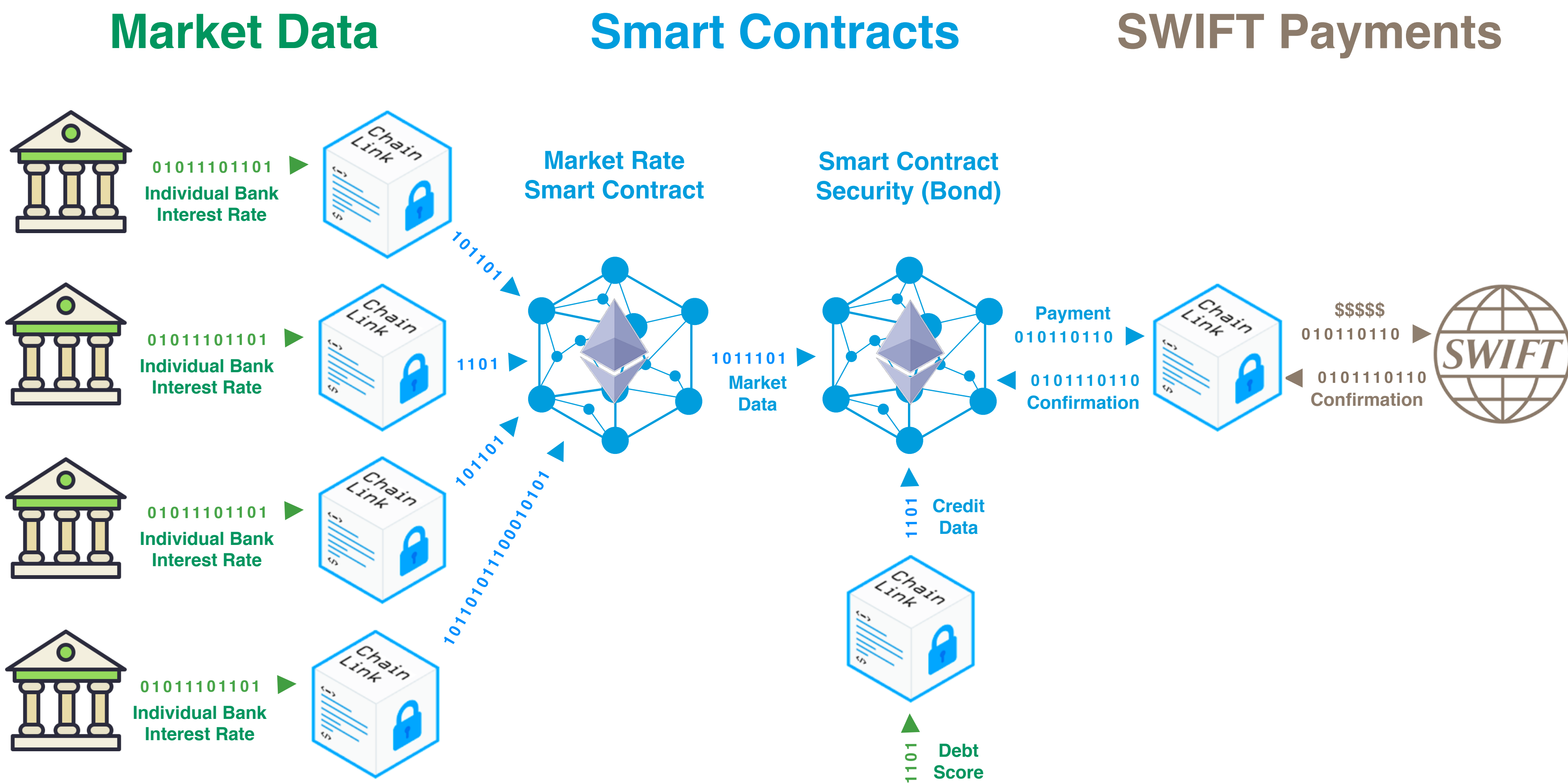
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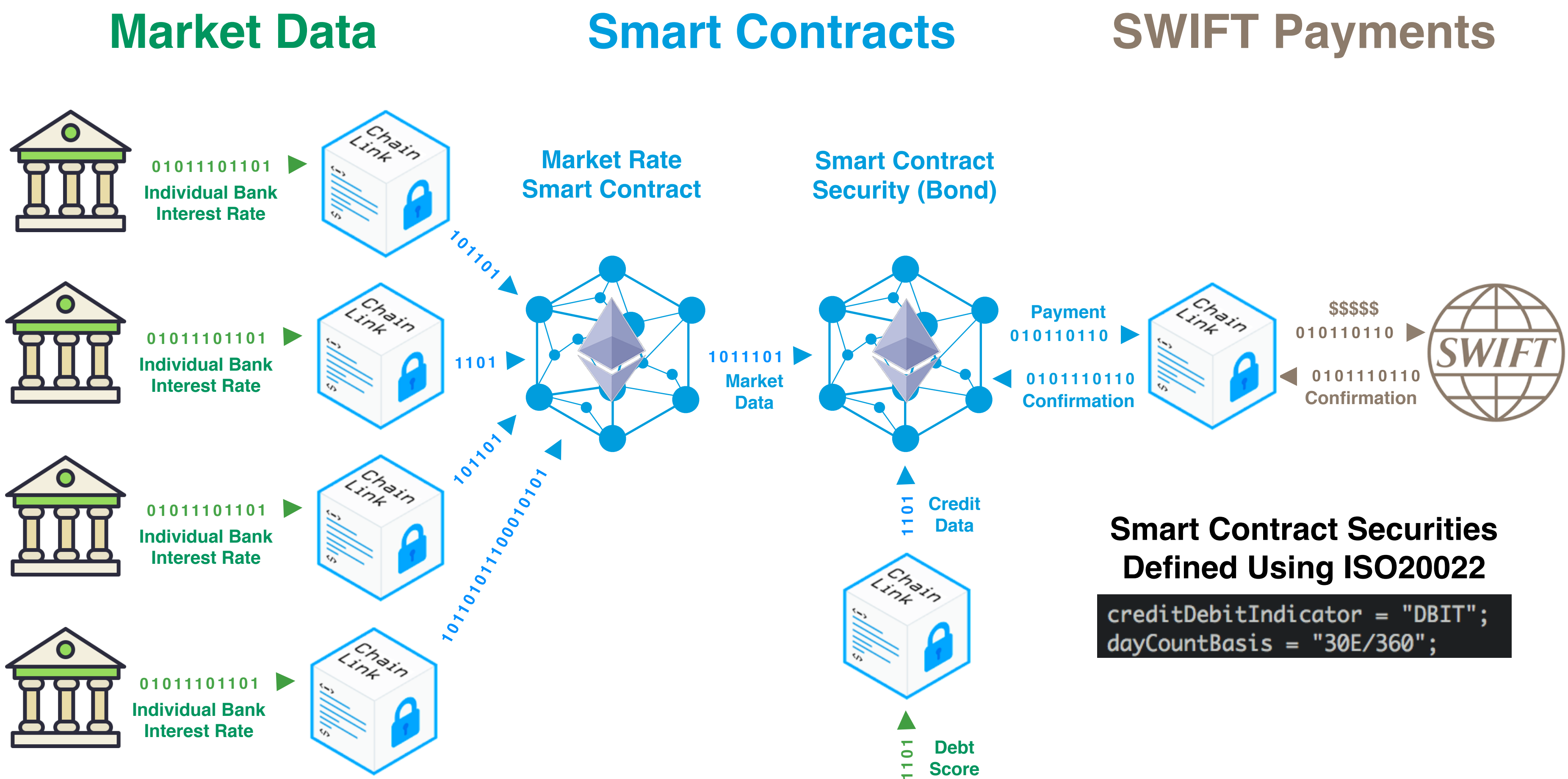
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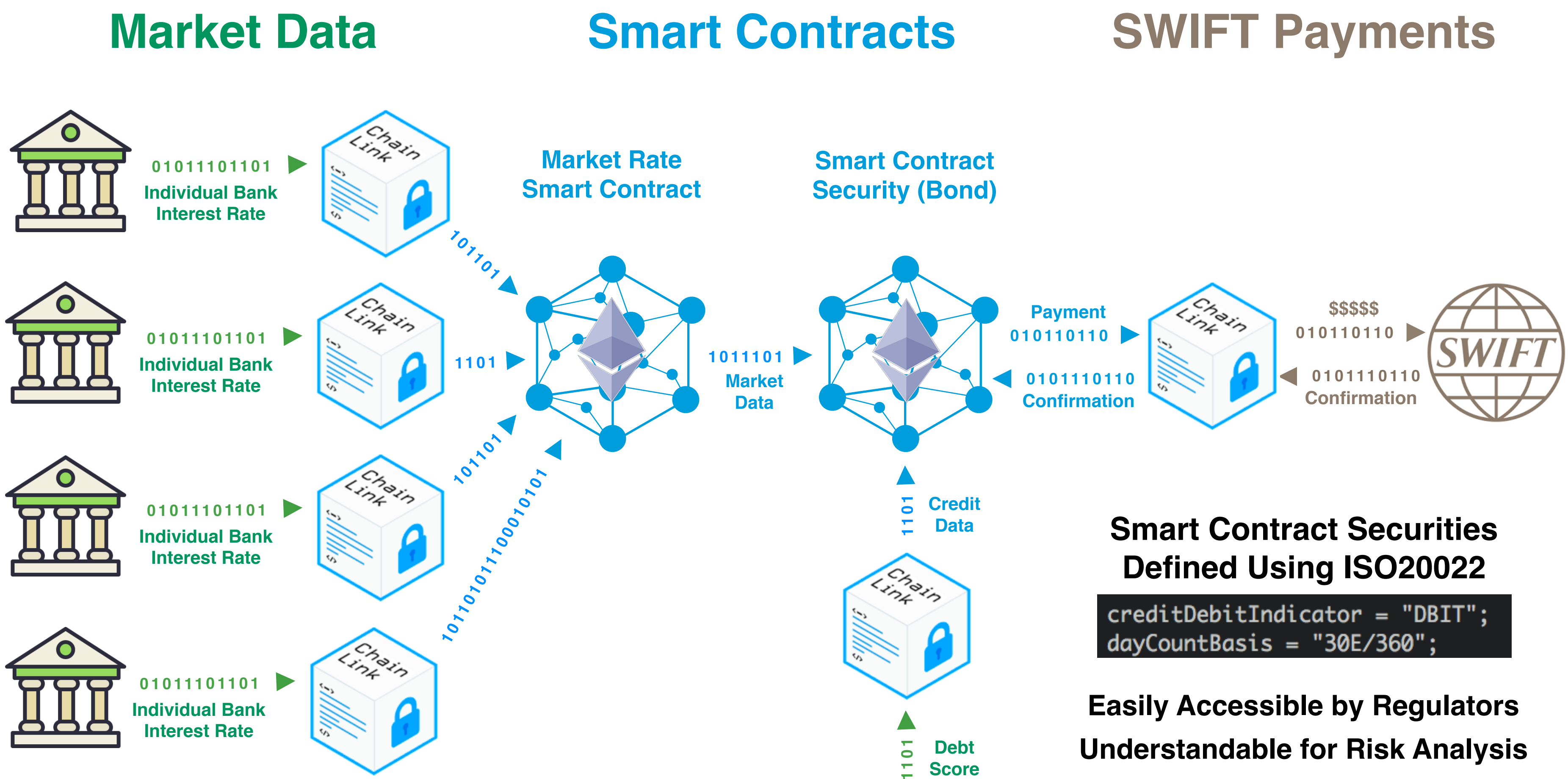
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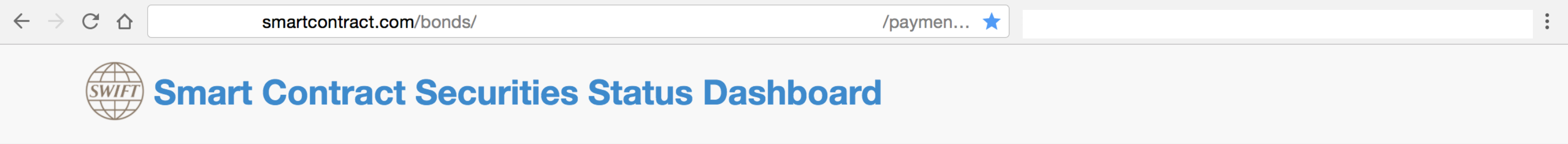
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Demonstration



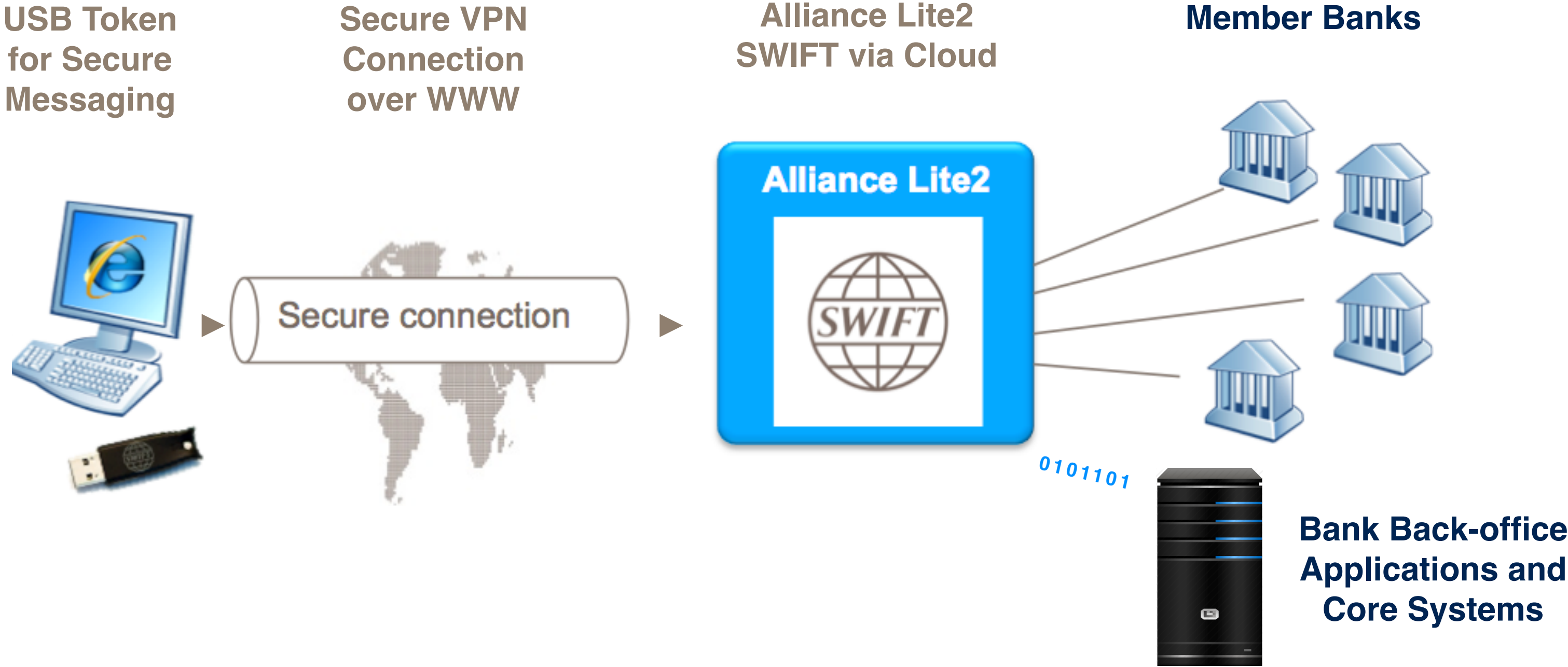
Smart Bond #54765

- ✓ Smart Bond Interest Payment Initiated ⓘ
- ✓ SWIFT Credit Transfer Generated ⓘ
- ✓ SWIFT Credit Transfer Sent ⓘ
- ✓ SWIFT Payment Confirmation Received ⓘ
- ✓ Smart Bond Interest Payment Completed ⓘ

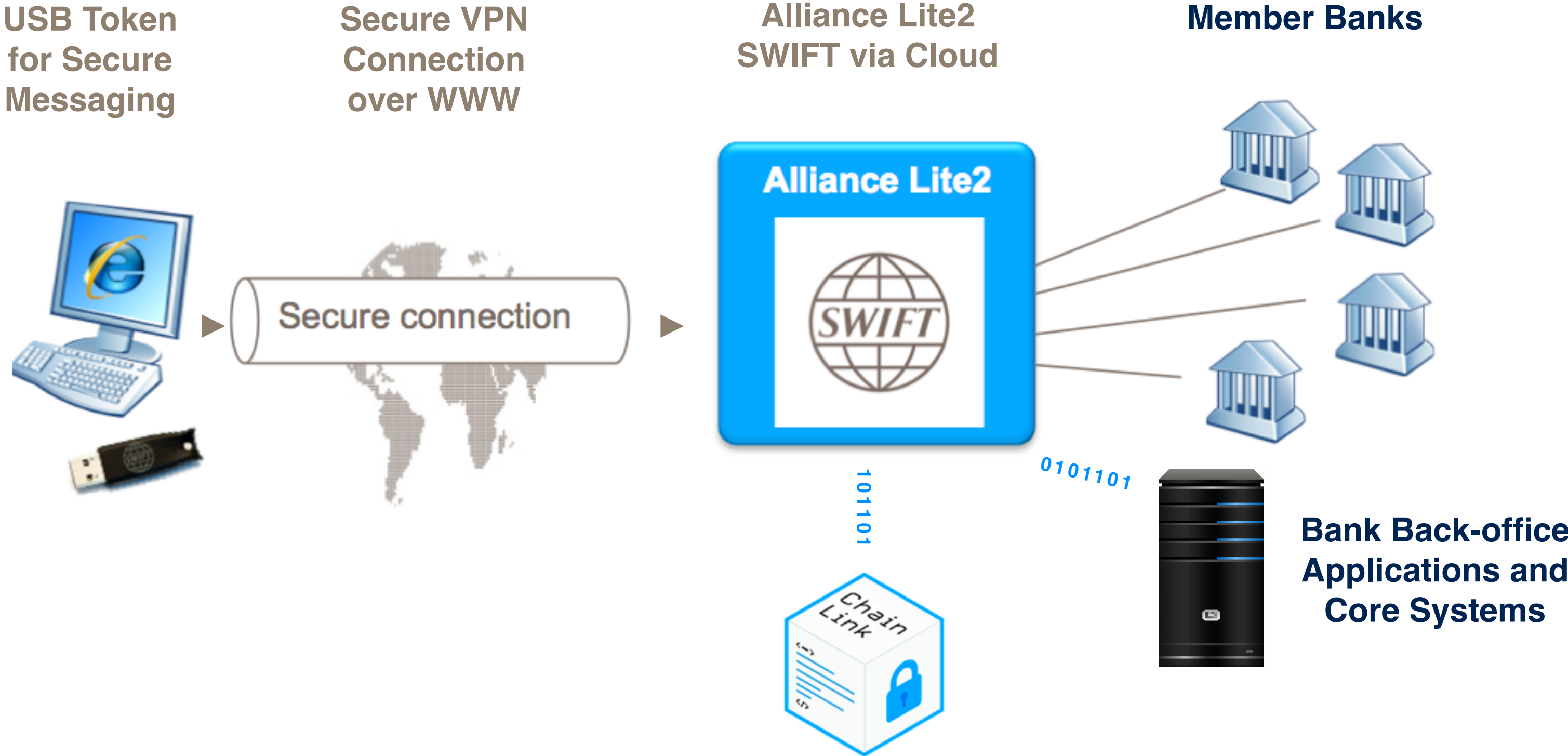
Interest Payment 1/4



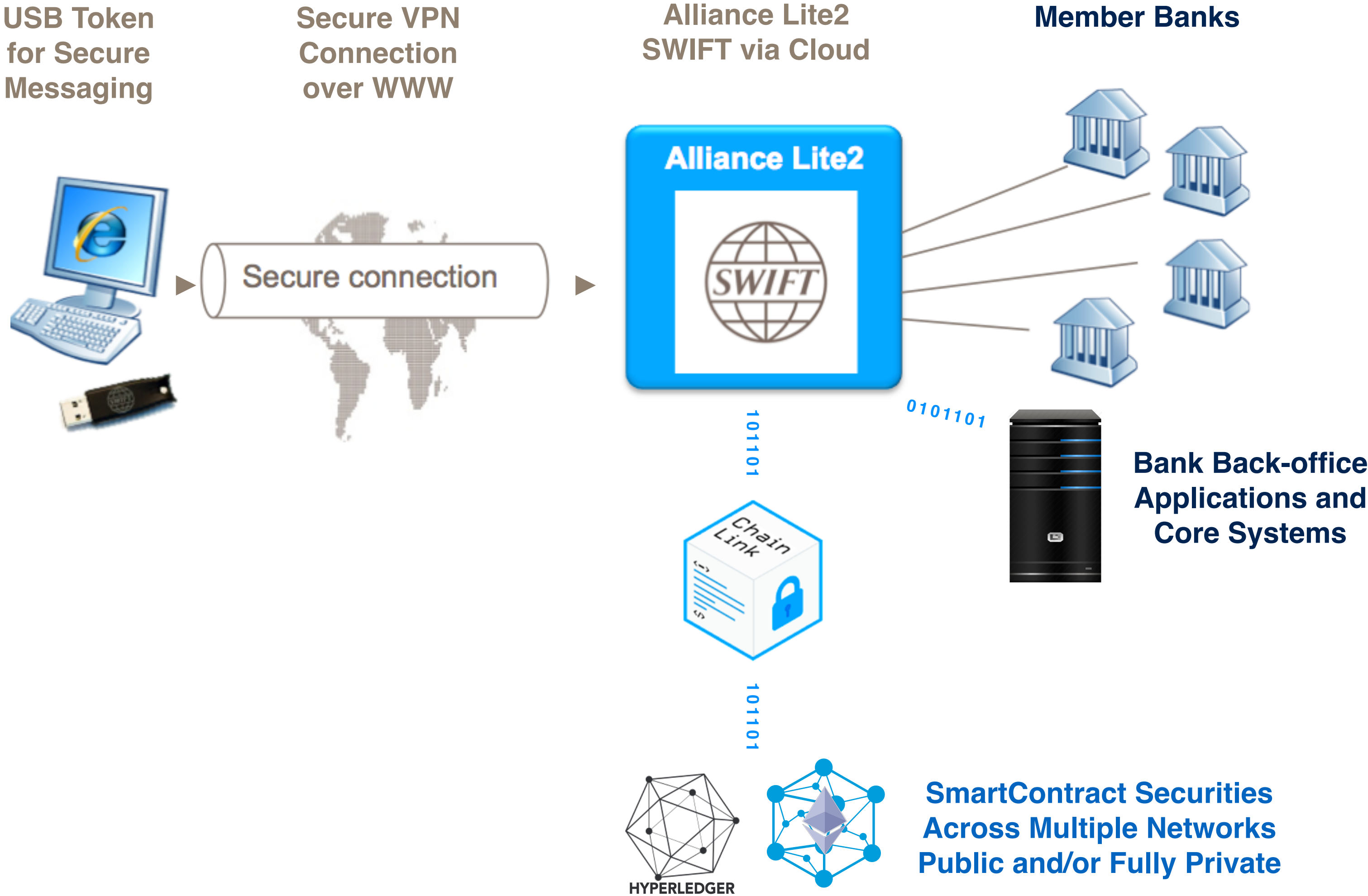
Connecting Smart Contracts to Bank Systems



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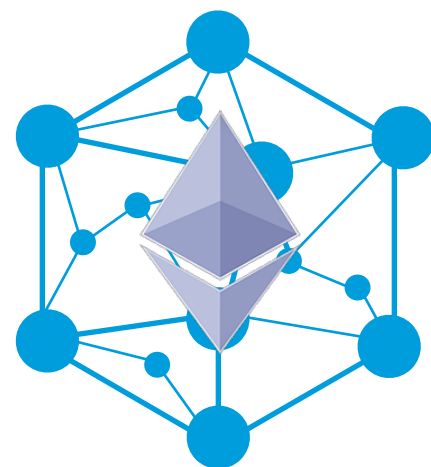
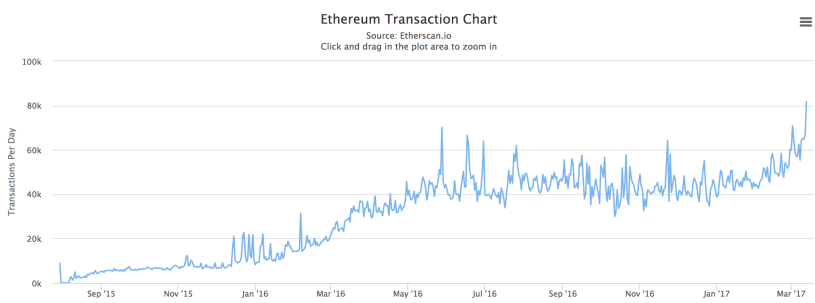


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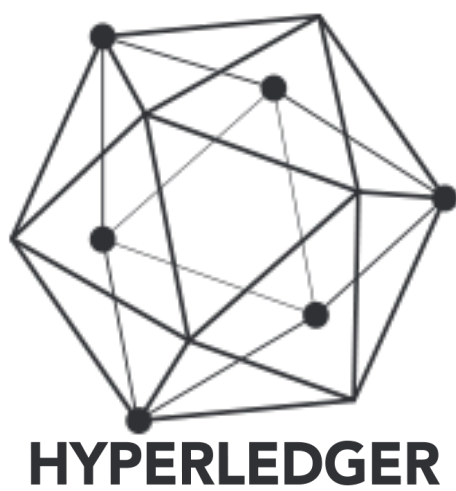
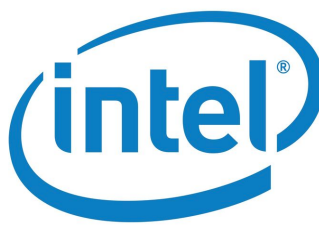


Banks as Secure Smart Contract Resources

Rapidly Growing Securities Volume

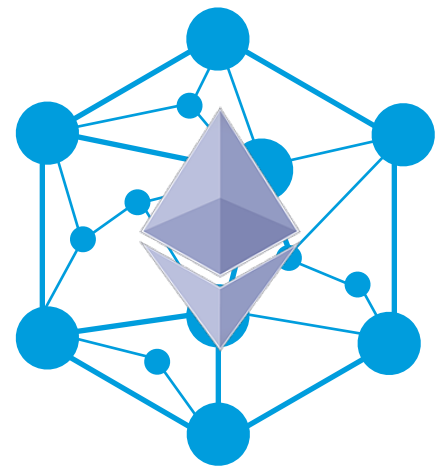
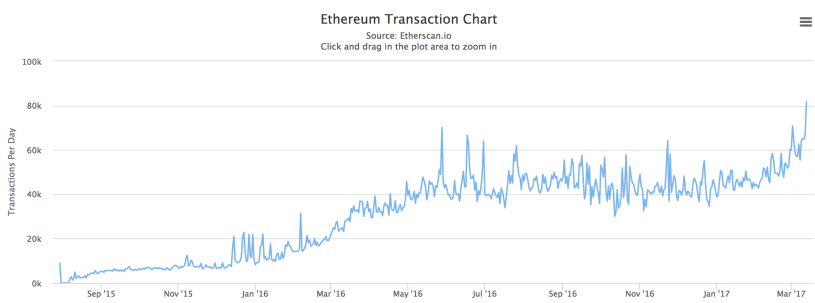


120+ Members



Banks as Secure Smart Contract Resources

Rapidly Growing Securities Volume



On-Chain Command
00101100001

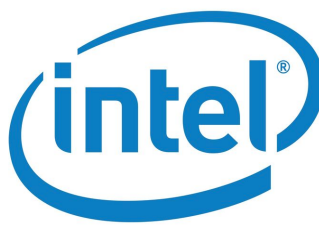


HYPERLEDGER

On-Chain Command
00101100001

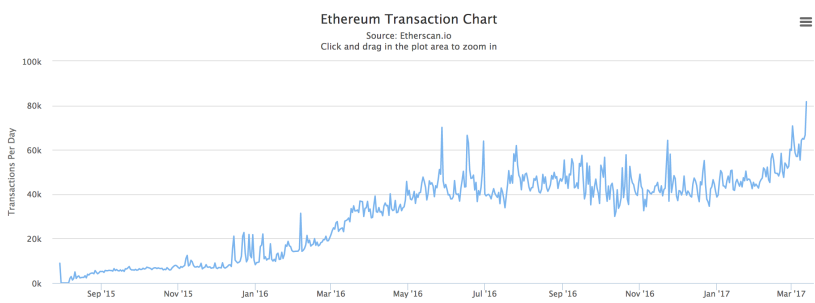


120+ Members

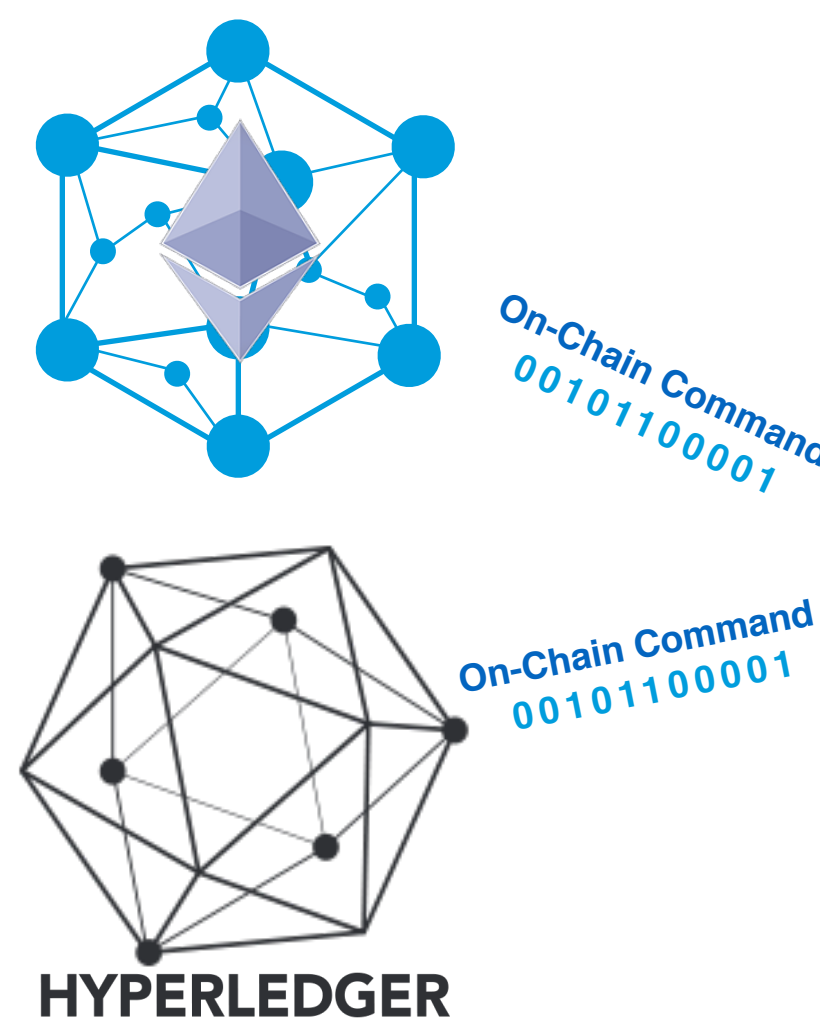


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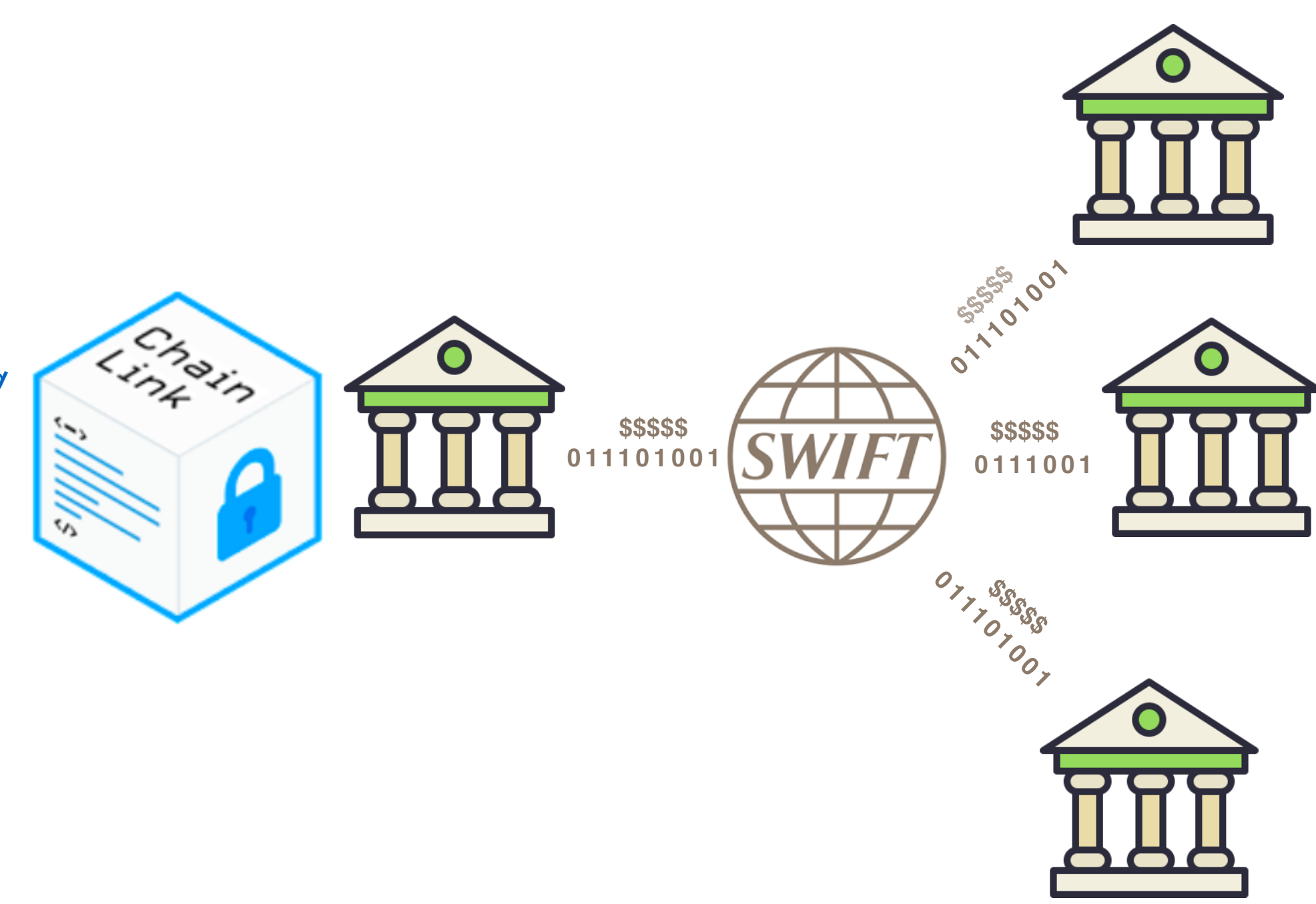
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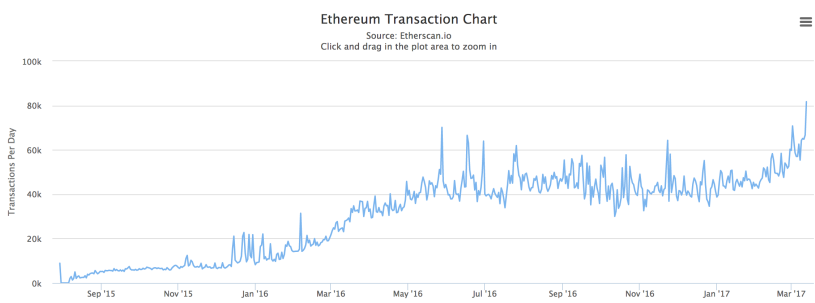


Blockchain Middleware Selling Bank Services

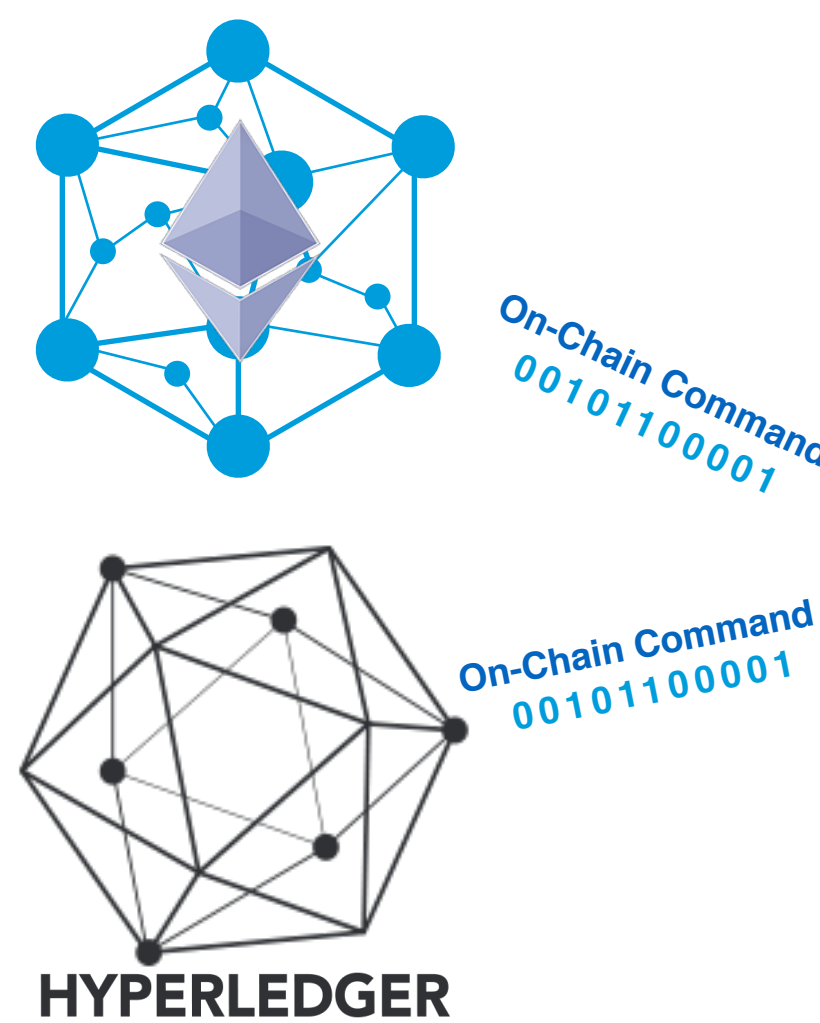


Banks as Secure Smart Contract Resources

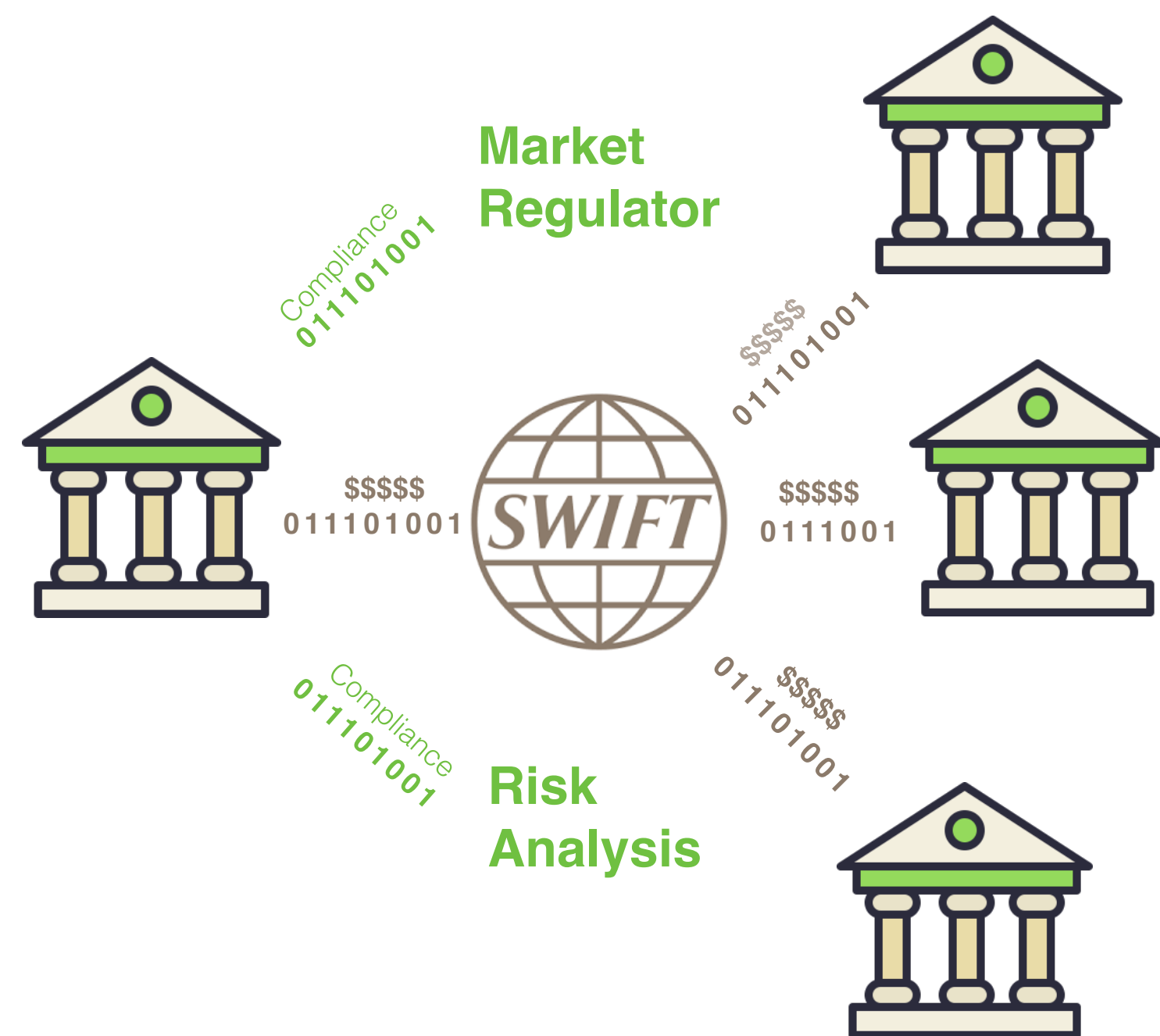
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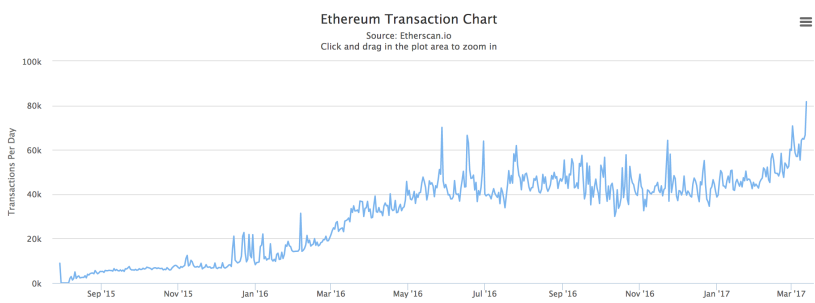


Blockchain Middleware
Selling Bank Services

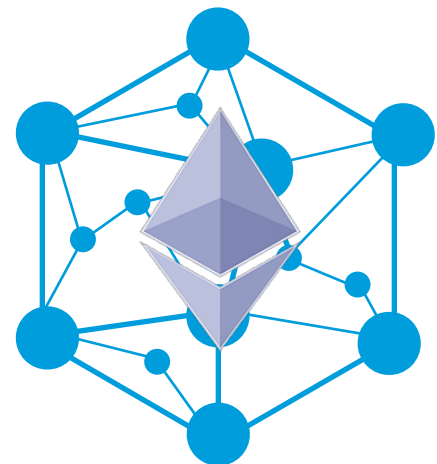


Banks as Secure Smart Contract Resources

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HYPERLEDGER

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Blockchain Middleware
Selling Bank Services



Global Banking
Infrastructure

Market
Regulator



Risk
Analysis



Compliance
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