

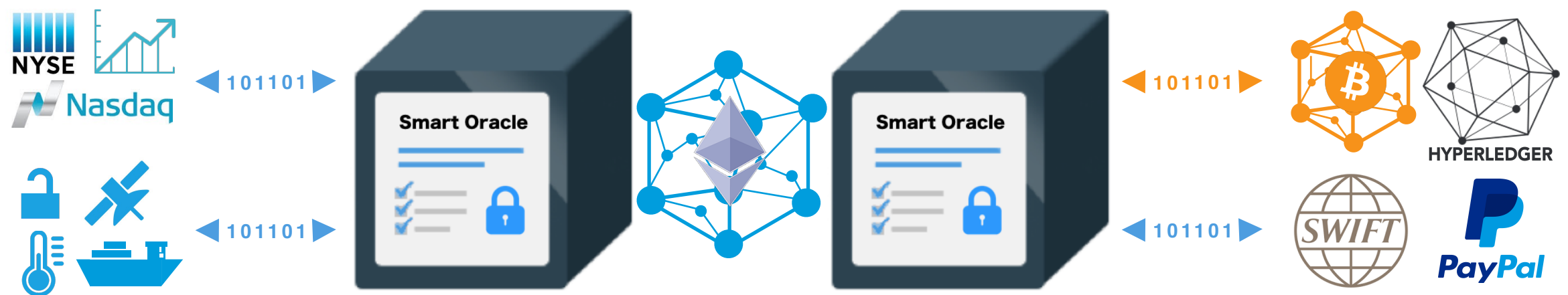
SmartContract

(smartcontract.com)

European Ethereum Development Conference 2017

Connecting Smart Contracts to
Market Data and Widely Used Payments

Providing Smart Contract Data & Payments



*Inbound Oracles
Provide Data*

*Outbound Oracles
Send Payment*

Bank's Control Global Finance With Complexity



Legal



CIB



Operations



Compliance



Legal



CIB



Operations



Compliance



DTCC
euroclear



**STANDARD
& POOR'S**

011010100010101101001

011010100010101101001

011010100010101001

0110101110001110100

11010110011

11010110011

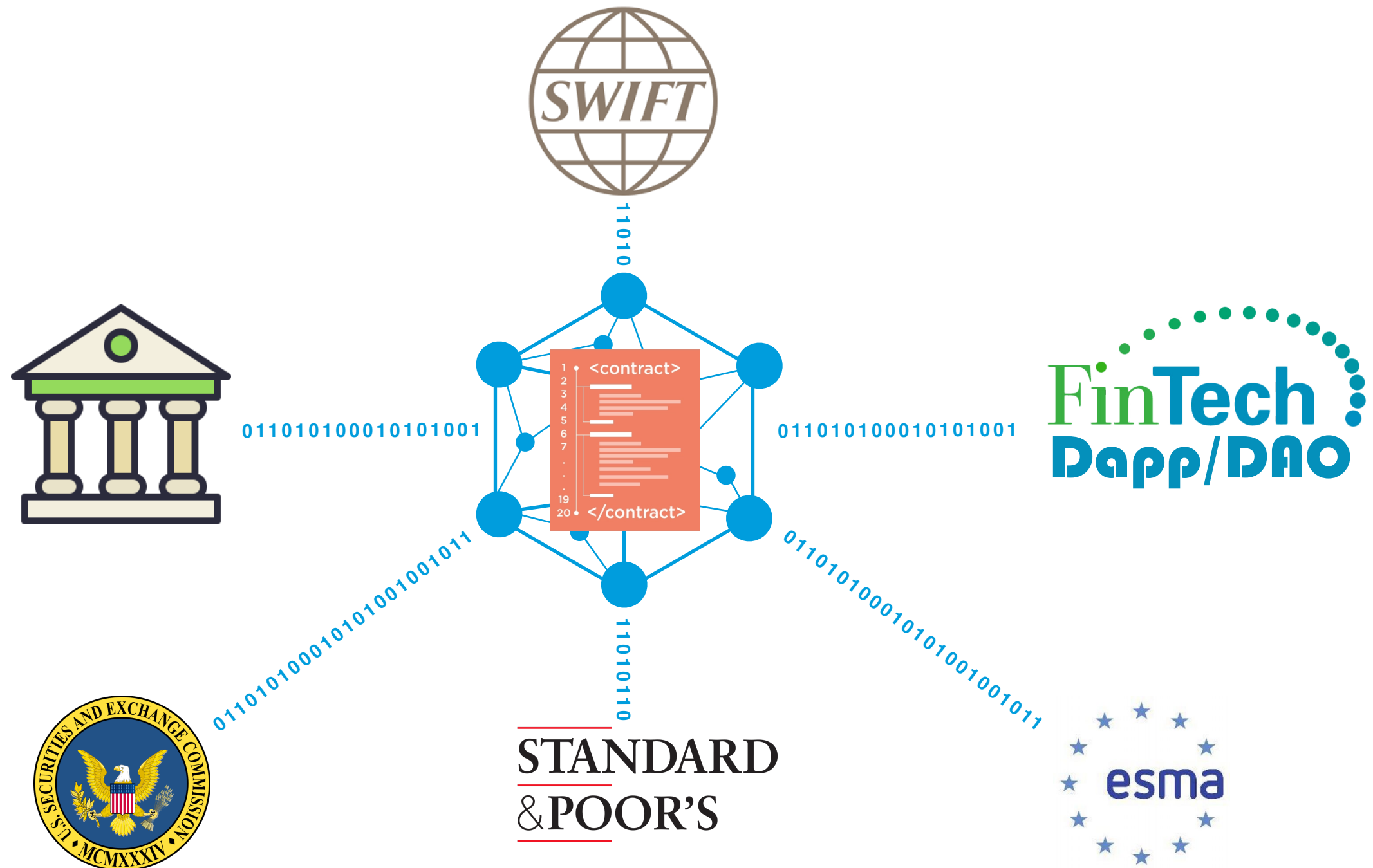
011010100010101101001

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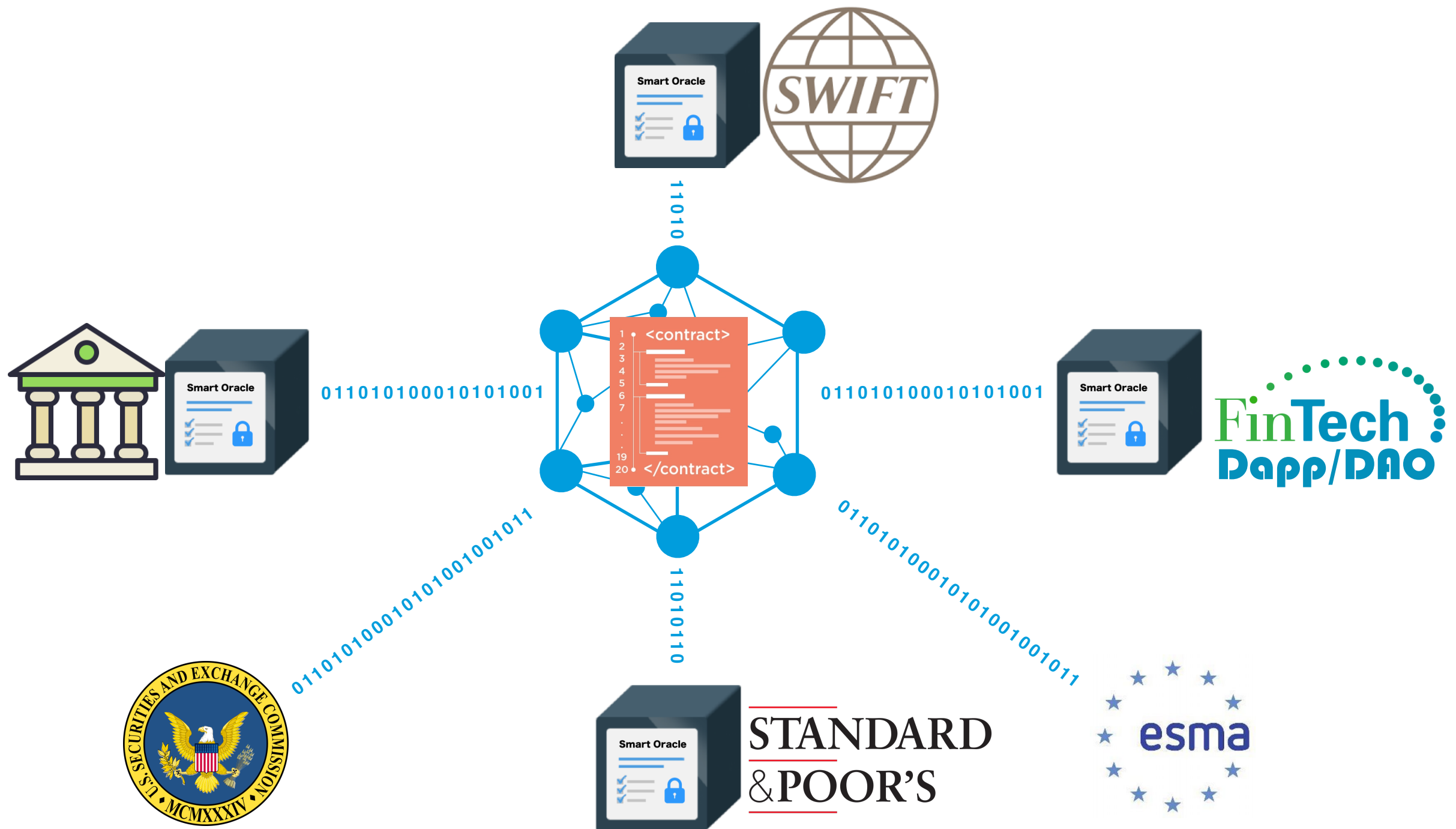
1101011001100110

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Smart Contracts Create Global Access



Connecting to Smart Contracts with Oracles



Fully Connected Smart Contracts

Interest Rates



01011101101
Interest Rate

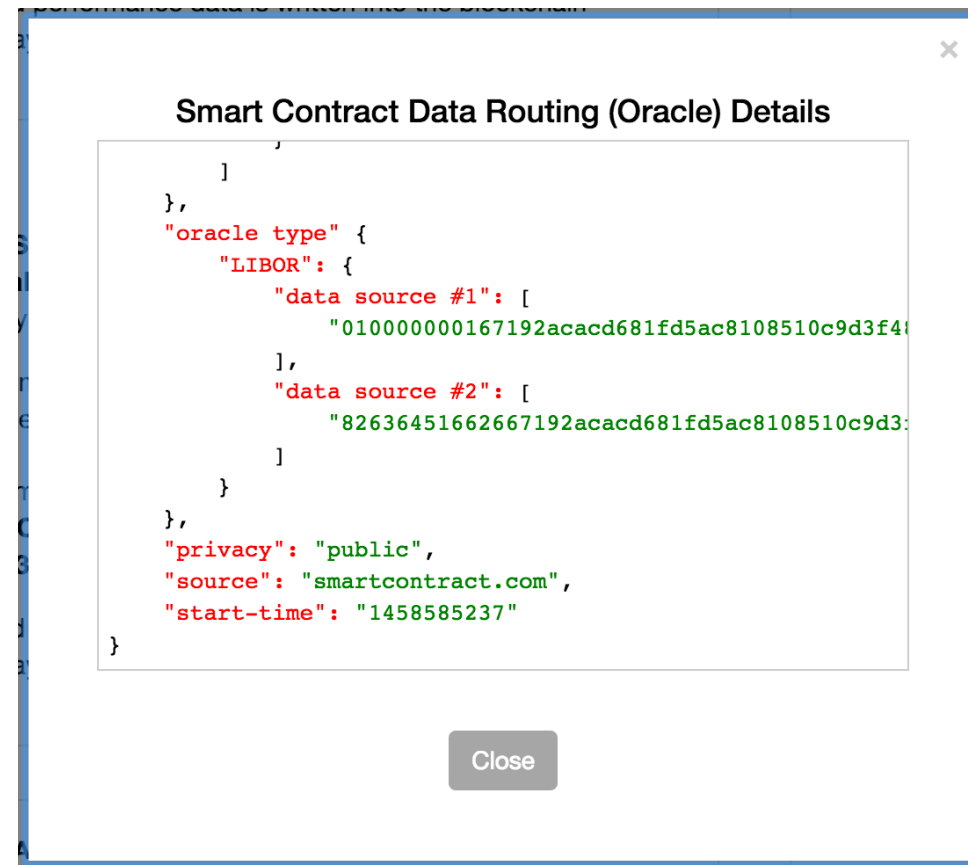


01011101101
Interest Rate



01011101101
Interest Rate

Smart Contract Oracles

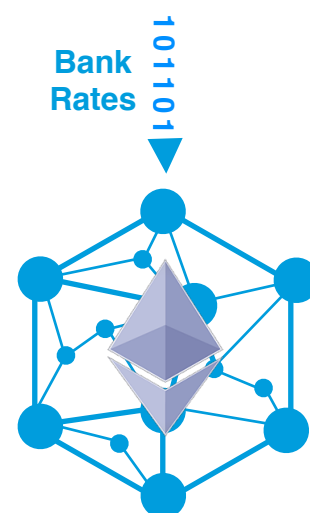


Payment Network

Payment
0101110110110
Confirmation
0101110110110

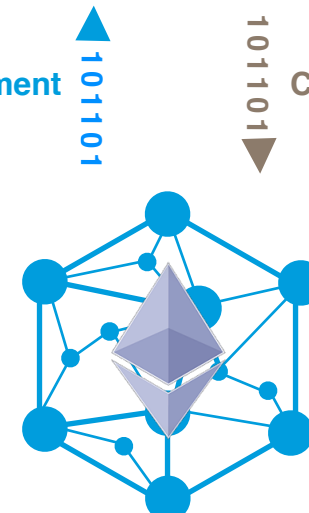


Market
Rate
Smart
Contract



101101101
Market Rate

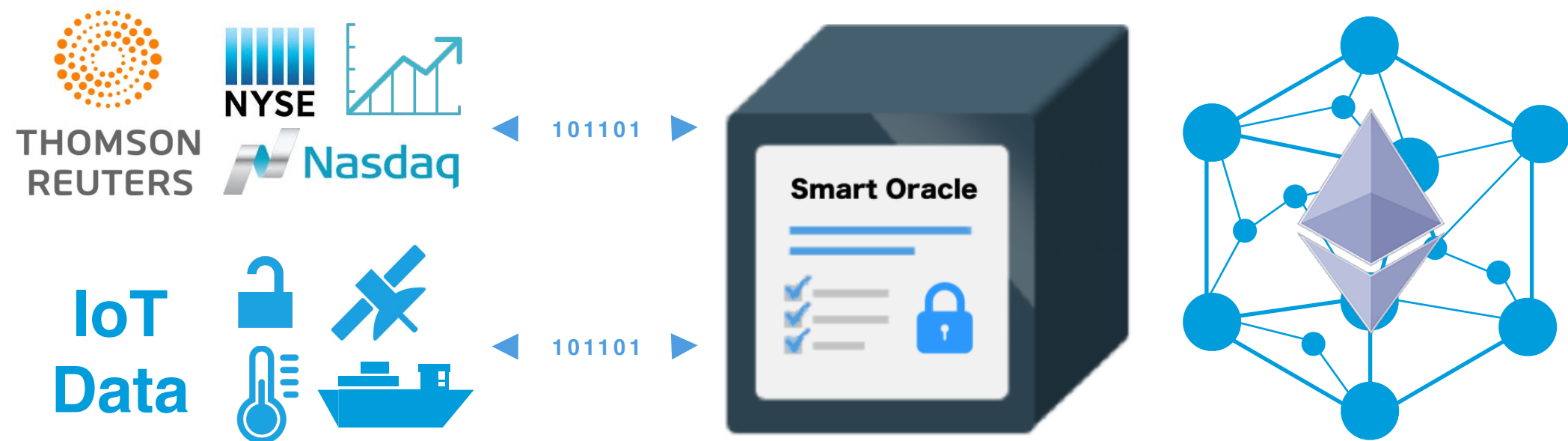
Payment



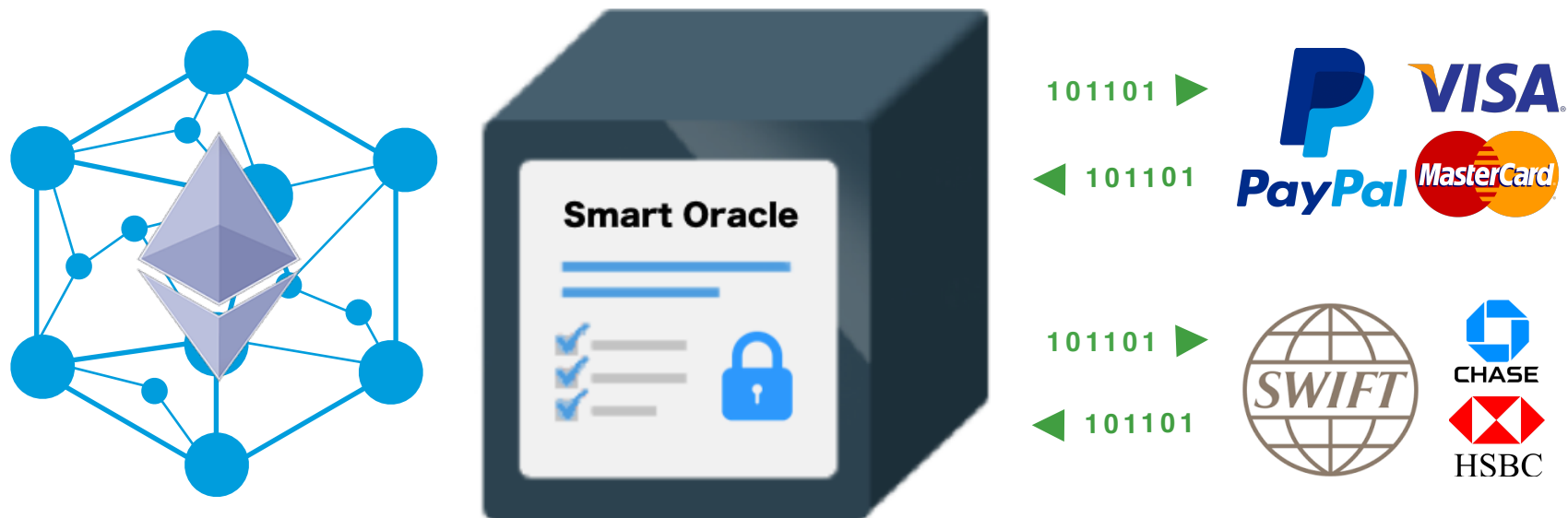
Smart
Contract
Security
(Bond)

Confirmation

Connect to Key External Data Sources



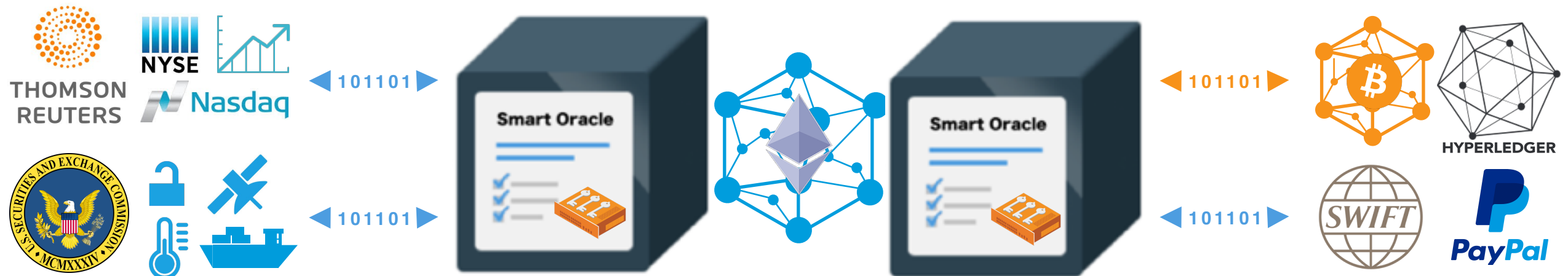
Send Off-chain Payments in Fiat Currency



Utilize Other Public or Private Chains



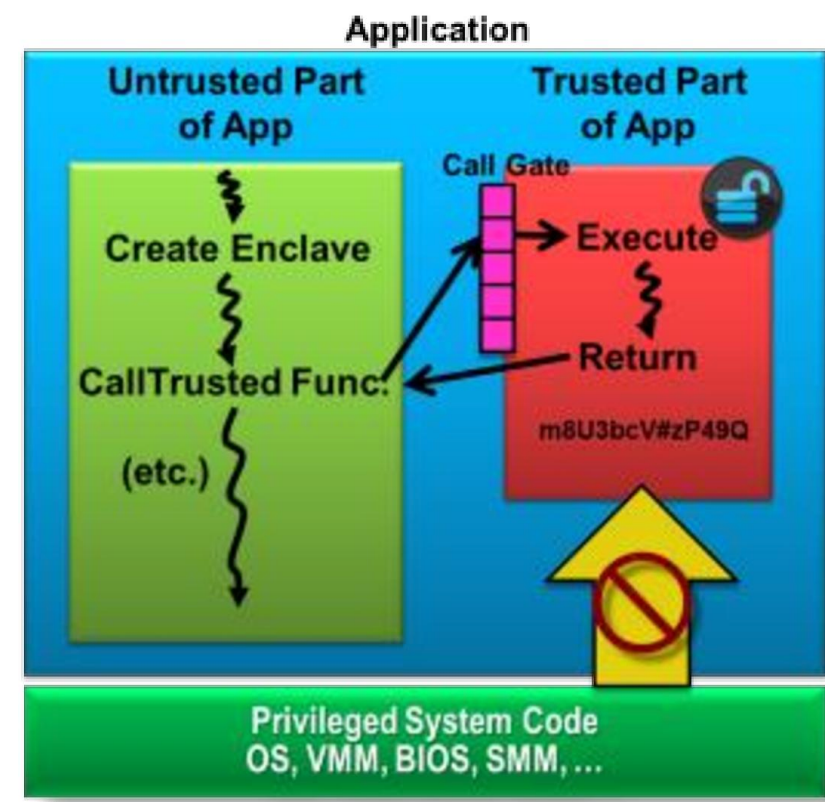
Privacy with Provable Off-chain Computation



IC3 The Initiative For
CryptoCurrencies & Contracts



Microsoft
Bletchley



Creating Your Own Smart Oracles

SmartContract

Create Contract SC smartcontract

Ether to USD Price Public Oracle

ORACLE DETAILS

This public oracle provides all smart contracts in the Ethereum network with free access to the daily Ether to USD conversion price. Any Ethereum smart contract can query this oracle's integration address for today's Ether to USD conversion price. The data provided by this oracle comes from the CoinMarketCap API (<https://api.coinmarketcap.com/v1/ticker/>) and is updated daily at 00:00 UTC.

ORACLE 1

DATA FEED

The data feed <https://api.coinmarketcap.com/v1/ticker/> will be polled daily at 00:00 UTC, until 01/01/2018 04:17:00 UTC.

The response will be parsed following the specified JSON key path: `["1"]["price_usd"]`

ORACLE ACTIVITY

In Progress

317 days 23:53:16 until expiration

ORACLE CREATOR

SmartContract.com
@smartcontract
✓ signed Feb 17th 2017

ORACLE SIGNERS

SmartContract.com
@smartcontract
✓ signed Feb 17th 2017

<https://create.smartcontract.com/#/contracts/d735744a1497f705280754d0d5438641>

ORACLE DETAILS

ORACLE ACTIVITY

i This log shows all the recent updates to this contract

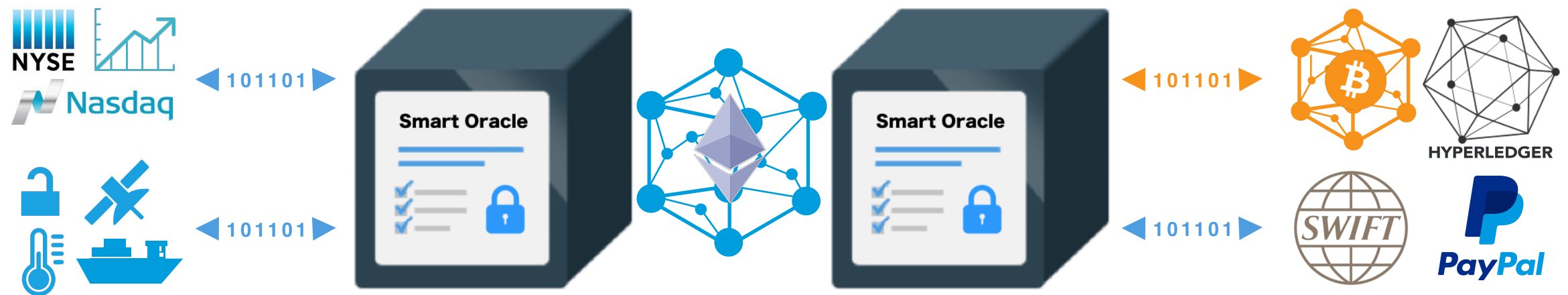
ORACLE UPDATE	TIMESTAMP
Assignment "1" updated its value to "12.8134". Blockchain record: 0x8c46ffe6594dc08215e6fbbc8e5db...	17 Feb 2017 04:23:07 UTC

Smart Contract Data Routing (Oracle) Details

```
{
  "name": "1",
  "type": "oracle",
  "expected": {
    "deadline": "1498867140",
    "endpoint": "https://www.quandl.com/api/v3/",
    "fields": [
      "dataset",
      "data",
      "0",
      "1"
    ]
  },
  "type": "oracle",
  "dataType": "bytes32",
  "frequency": "0 0 * * *"
}
```

Close

Creating Your Own Smart Oracles



Github.com/OracleKit

Support@SmartContract.com