

AUSTIN **ANNUAL**  
2018 **CONFERENCE**  
**& SHOWPLACE**

**HFA**s AT THE  
CENTER

# Blockchain: Fad or Revolution?

Dustin Byington, CEO | TWO12

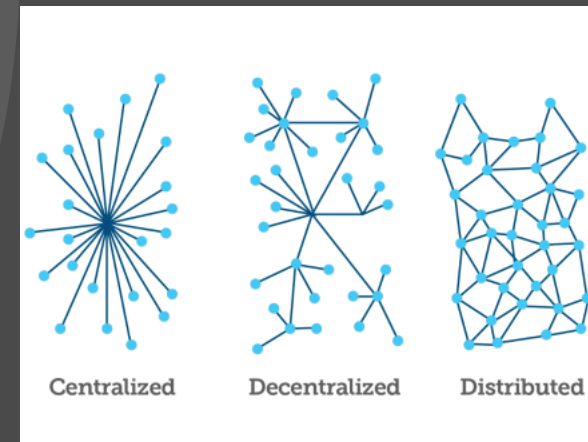
# BLOCKCHAIN DEFINED: IMMUTABILITY LEADS TO CONSENSUS

## DEFINITION:

‘BLOCKS’ OF TRANSACTIONS  
THAT ARE ‘CHAINED’ TOGETHER  
ON A DISTRIBUTED NETWORK

## RESULT:

TXS ARE VERY HARD TO REVERSE  
(IMMUTABILITY)  
WHICH MEANS THAT EVERYONE AGREES!  
(CONSENSUS)



## USE CASE: TITLE REGISTRY

### IMMUTABLE AUDIT TRAIL

EVERYONE AGREES ON CHAIN OF OWNERSHIP  
(PEOPLE CAN STILL STEAL BUT YOU'LL SEE THAT  
THEY WEREN'T ALWAYS THE OWNER)

### COUNTRIES EXPLORING\*

BRAZIL, CANADA, GHANA, HONDURAS, HONG  
KONG, INDIA, JAPAN, NETHERLANDS, GEORGIA,  
RUSSIA, SWEDEN, UKRAINE, UK, US

\*SOURCE: <https://bit.ly/2Pvd5A1>

If you buy a house in Chicago and want to register the deed, the Cook County Recorder of Deeds will accept two kinds of submissions: paper records and scanned images of paper records. No matter which option you choose, the clerks will manually type the information into the county database.

Roughly once a week, someone — for example, an addict claiming a home that actually belongs to a grandparent with dementia — will mail in a fake document, and “if they formatted it correctly, we have to record it,” said John Mirkovic, the deputy recorder. “It’s one of the main reasons we’re so interested in blockchain.”

\*SOURCE: <https://nyti.ms/2lztYoP>



## USE CASE: REDUCE COMPLIANCE COST OF DOCUMENT PROCESSING

### Smart Dubai 2021:

The strategy aims to capitalize on the blockchain technology to transform 50 percent of government transactions into the blockchain platform by 2021.

"Adopting Blockchain technology Dubai stands to unlock 5.5 billion dirham in savings annually in document processing alone — equal to the one Burj Khalifa's worth of value every year."\*

- <https://smartdubai.ae/en/Initiatives/pages/dubaiblockchainstrategy.aspx>



## BIG DATA

### GEOSPATIAL



## ConstrucTECH



## HOSPITALITY

### ACCOMMODATION



## MARKETPLACES & PORTALS



## P2P

### RENTAL



### BUY & SELL



## PROPERTY MANAGEMENT



## RECORD KEEPING



## REAL ESTATE MARKETING



# BLOCKCHAIN REAL ESTATE ECOSYSTEM



MARCH 2018  
VERSION 1.1

## PROPERTY INVESTMENT

### PROPERTY TOKENIZATION



## EVENTS



## DOMOTICS & IoT



## SMART CITIES



## RE BACKED CRYPTO



## VR / AR



## NEWS & KNOWLEDGE



## ASSOCIATIONS



### REAL ESTATE FUND

