


**Gm!**

The image features a dark blue background with a complex network of glowing white and light blue nodes connected by thin lines. The nodes are arranged in a way that suggests a global or digital network, with some nodes appearing brighter than others. The overall aesthetic is futuristic and technological.

# DOWN THE RABBITHOLE



A photograph of the Northern Rock bank entrance. The building is made of grey stone blocks. A large black sign above the glass entrance doors displays the text "northern rock" in white, lowercase, sans-serif font. To the right of the entrance, a smaller black sign with the same text is mounted on the wall. The number "51" is visible on the stone wall to the right of the entrance. A large crowd of people is gathered outside the entrance, some looking towards the camera and others talking. The scene is brightly lit, suggesting daytime.

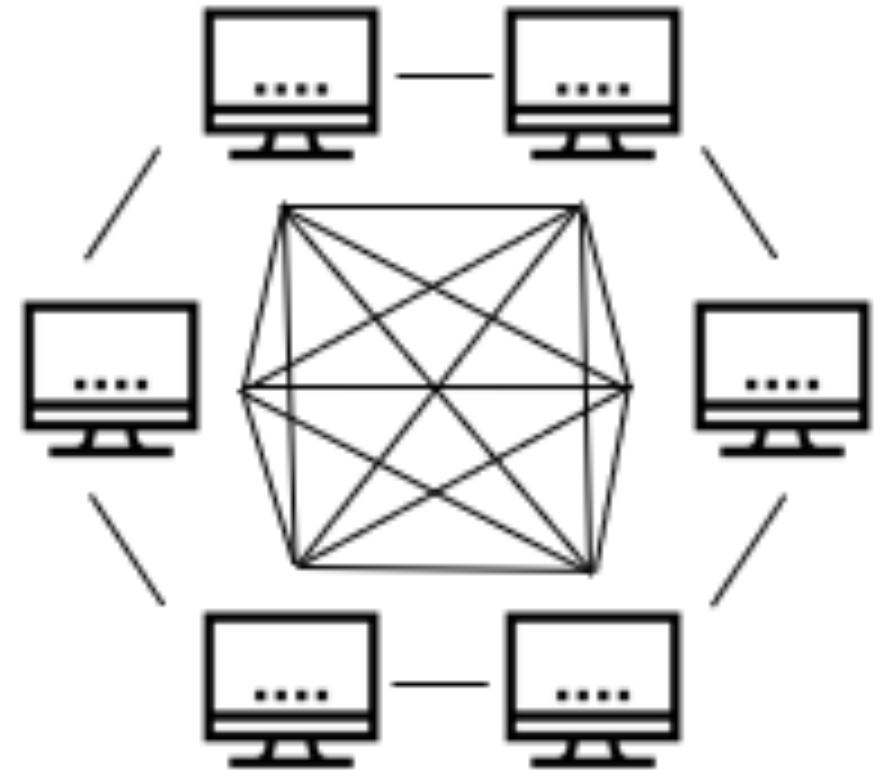
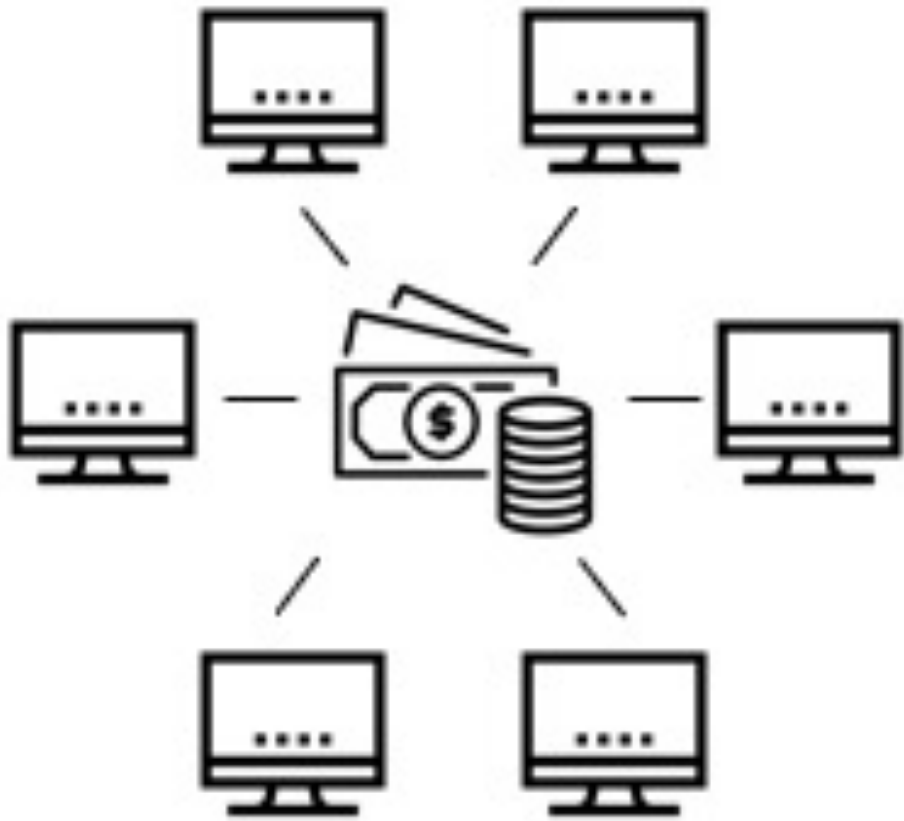
northern rock

2008

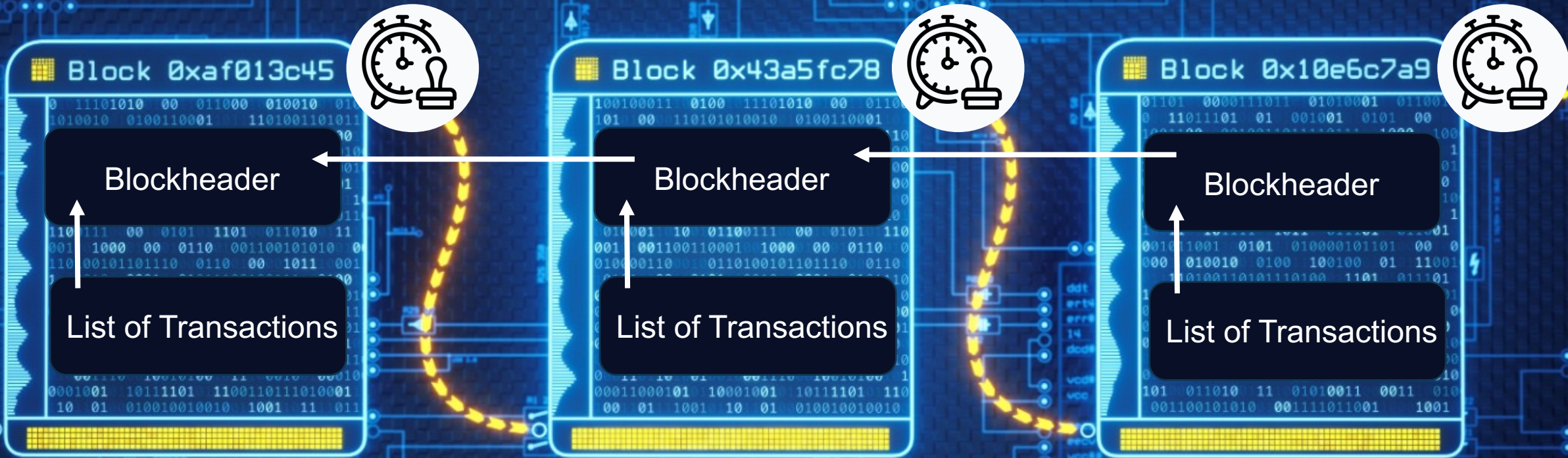


**SINGLE POINT  
of failure**

# The Technological Alternative: Blockchain

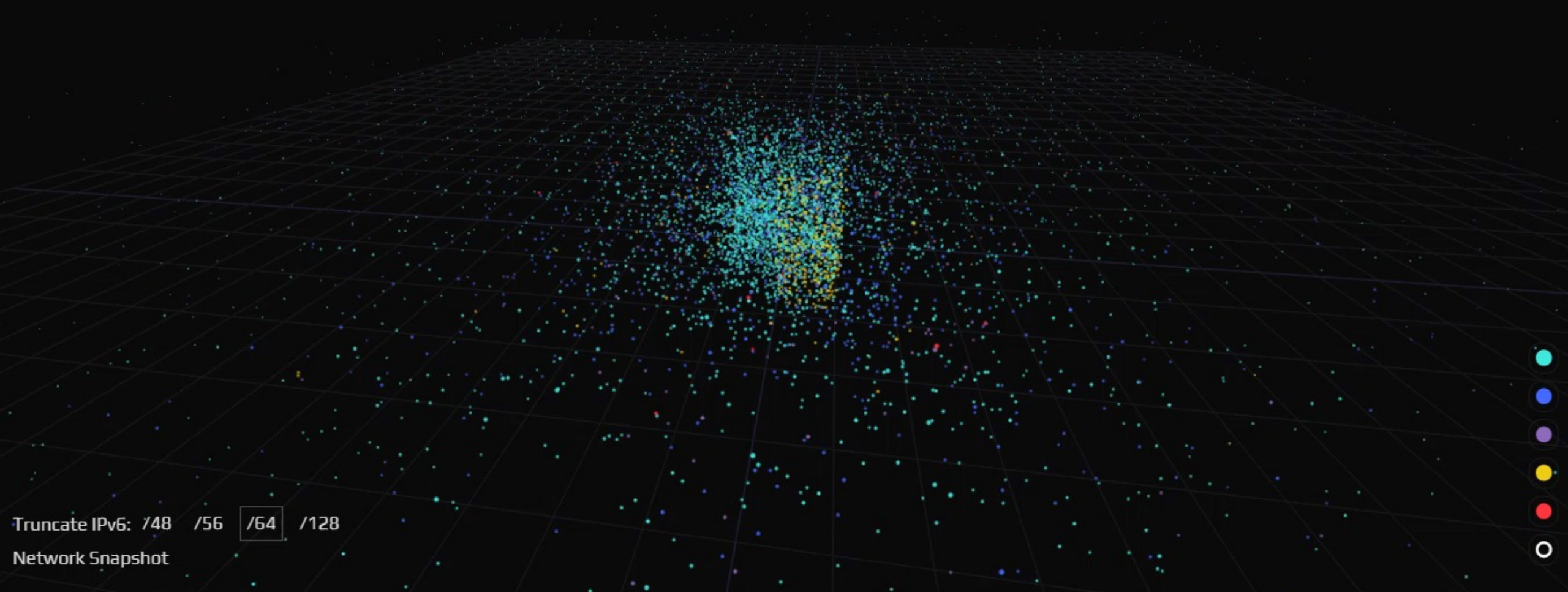


# The Chain of Blocks



# BITNODES

Network map of 7202 reachable IPv4 and IPv6 nodes in the Bitcoin network as of Fri May 20 22:25:06 2022 CEST.



Truncate IPv6: /48 /56  /64 /128

Network Snapshot





2015



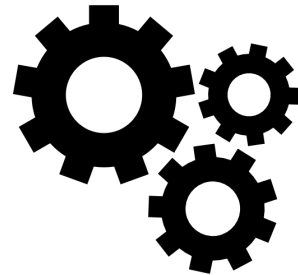
# SMART CONTRACTS



PARTIES



SMART CONTRACT



EXECUTION

```
pragma solidity 0.6.11;
```

```
contract VendingMachine {
```

```
    // Declare state variables of the contract
```

```
    address public owner;
```

```
    mapping (address => uint) public cupcakeBalances;
```

```
    // When 'VendingMachine' contract is deployed:
```

```
    // 1. set the deploying address as the owner of the contract
```

```
    // 2. set the deployed smart contract's cupcake balance to 100
```

```
    constructor() public {
```

```
        owner = msg.sender;
```

```
        cupcakeBalances[address(this)] = 100;
```

```
    }
```

```
    // Allow the owner to increase the smart contract's cupcake balance
```

```
    function refill(uint amount) public {
```

```
        require(msg.sender == owner, "Only the owner can refill.");
```

```
        cupcakeBalances[address(this)] += amount;
```

```
    }
```

```
    // Allow anyone to purchase cupcakes
```

```
    function purchase(uint amount) public payable {
```

```
        require(msg.value >= amount * 1 ether, "You must pay at least 1 ETH per cupcake");
```

```
        require(cupcakeBalances[address(this)] >= amount, "Not enough cupcakes in stock to complete this purchase");
```

```
        cupcakeBalances[address(this)] -= amount;
```

```
        cupcakeBalances[msg.sender] += amount;
```

```
    }
```

```
}
```

Source: Ethereum.org

<https://morethandigital.info/en/what-are-smart-contracts-on-the-blockchain/>



Bored Ape Solana Club  
#1119  
Price 490  
Last 200

4



Bored Ape Solana Club  
#2388  
Price 490  
Last 200

3



Bored Ape Solana Club  
#2561  
Price 1200  
Last 200

5



Bored Ape Solana Club  
#3999  
Price 1250  
Last 180

4



Bored Ape Solana Club  
#1544  
Price 299  
Last 180

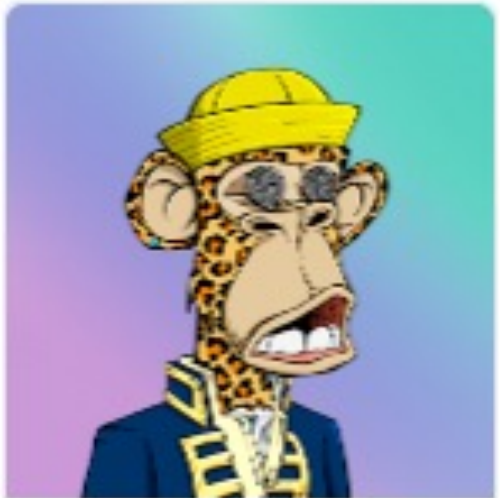
4



Bored Ape Solana Club  
#2781  
Last 100

4

# NFTS



Bored Ape Solana Club  
#9  
Last 98.5

5

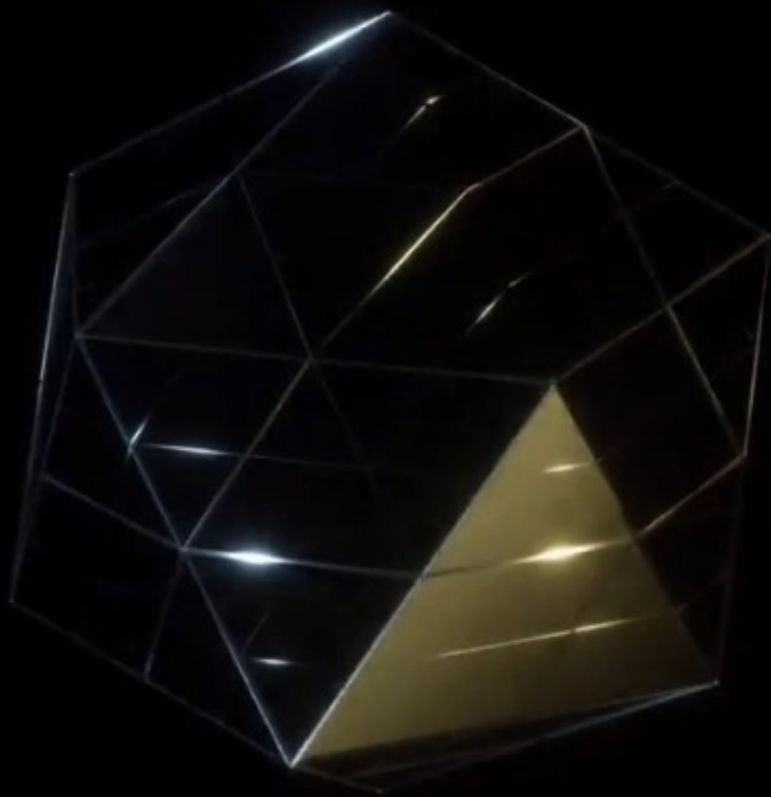
<https://opensea.io/collection/boredapevachtclub>



**WELCOME TO  
THE BORED APE  
YACHT CLUB**

ROLL DOWN

# NFTS



<https://www.theguardian.com/artanddesign/2021/nov/06/how-nfts-non-fungible-tokens-are-shaking-up-the-art-world>

# DAOs

# 2016

Bild: <https://medium.com/swlh/the-story-of-the-dao-its-history-and-consequences-71e6a8a551ee>



Artwork von Vader Immortal: A Star Wars VR Series  
<https://www.golem.de/news/vr-rundschau-mit-vader-auf-die-dunkle-seite-des-headsets-1907-142318.html>



**CODE IS LAW**

## DAO Operating Systems

ARAGON DaoStack DaoHaus  
COLONY Syndicate Orca CW

## Investment DAOs

MetaCartel theLAO Flamingo  
Komorebi UdacityFund BitDAO  
Free Company Duck DAO

## Grants DAO

MetaCartel Ventures MolochDAO  
Audius Grants Uniswap Grants  
Mint Fund Sevens Foundation  
Compound Grants Aave Grants

## Collector DAOs

PleasrDAO Flamingo SquiggleDAO  
FingerprintsDAO BRRDAO Whale  
MUSEO herstoryDAO BeetsDAO  
JennyDAO MeebitsDAO Gremlins

## Protocol DAOs

MAKER Compound UNISWAP AAVE Yearn Sushi  
SYNTHETIX Curve Index Coop PieDAO tornado GITCOIN  
LIDO pool KeeperDAO Badger RaribleDAO Olympus  
hDAO Rari Capital Balancer Cream Finance AUDIUS  
universe inverse finance Aavegotchi INSTAAPP OceanDAO

## Service DAOs

RAMP DXdao PartyDAO  
MetaFactory Fire Eyes DeepDAO  
Reverie NeptuneDAO Llama  
MetaverseDAO LexDAO dOrg  
DaoHaus VitaDAO ShinyDAO  
OPOLIS DoinGud DEEP WORK YGG  
HoneyDAO Myco UniWhales  
Yam DAO AladdinDAO

## Social DAOs

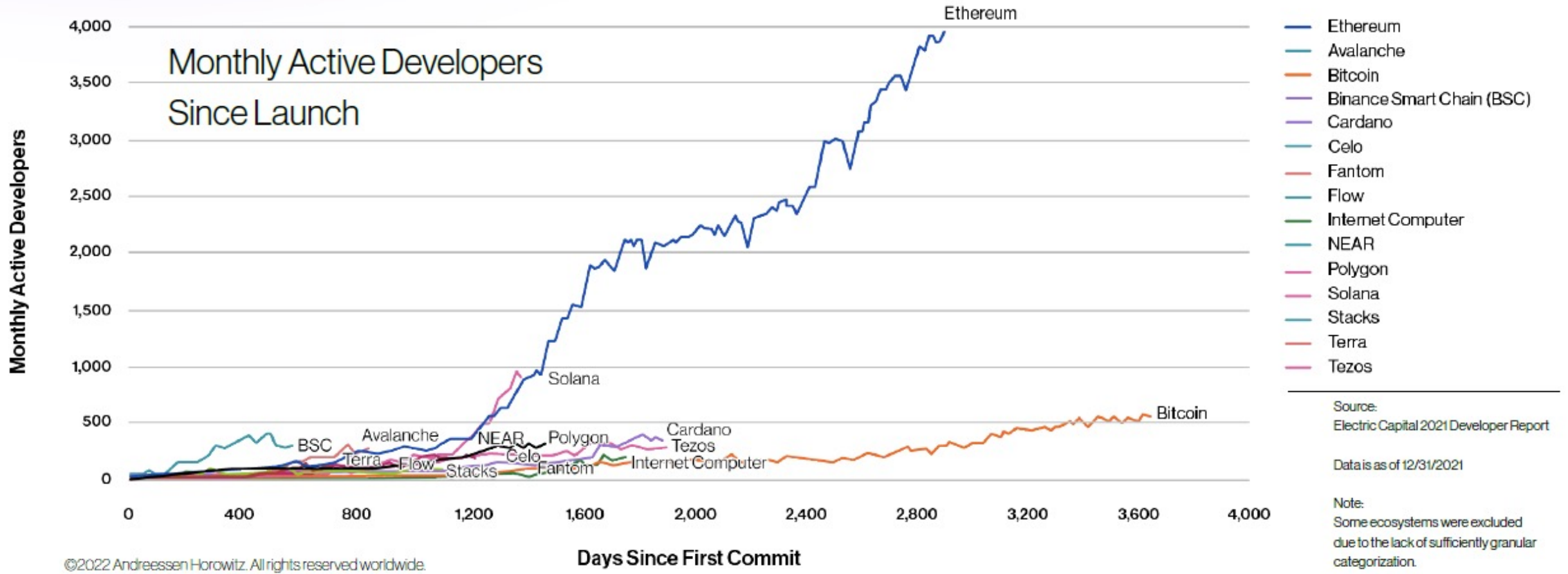
FWB Seed Club  
Radicle FiatLuxDAO  
Metafam KrausHaus  
ProsperDAO Bright Moments  
Meta Gamma Delta  
SongCamp CabinDAO  
PROOF OF HUMANITY BAYC  
TheWIPmeetup

## Media DAOs

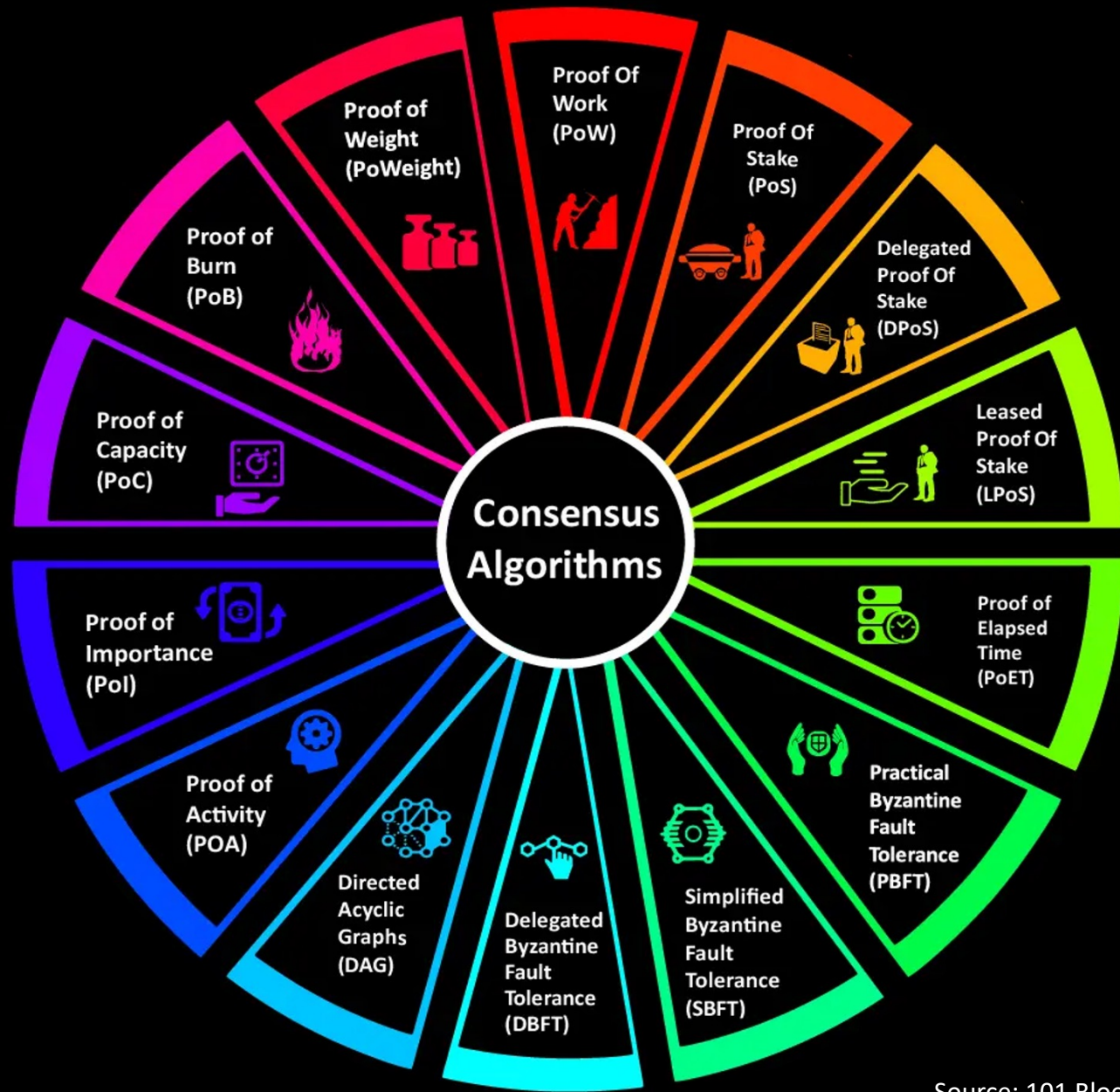
FOREFRONT BanklessDAO GCR DarkstarDAO rekt



# Major Blockchains and Activities



# Alternative Consensus Algorithms



## WEB 1



THE INFORMATION  
ECONOMY

READ

## WEB 2



THE PLATFORM  
ECONOMY

READ WRITE

## WEB 3



THE OWNERSHIP  
ECONOMY

READ WRITE OWN

[Mögen Icons](https://www.flaticon.com/de/kostenlose-icons/mogen "mögen Icons") erstellt von Dave Gandy - Flaticon

[Key icons](https://www.flaticon.com/free-icons/key "key icons") created by Freepik - Flaticon

[Lupe Icons](https://www.flaticon.com/de/kostenlose-icons/lupe "Lupe Icons") erstellt von Freepik - Flaticon

# WHAT'S BLOCKCHAIN GOT TO DO WITH Travel?



**Imagine you work in a network with equal partners and have direct access to peers:**



## Faster settlement reduced costs.

Accelerated processing and greater accuracy for all non-air travel transaction

Travel Ledger is an electronic invoice and remittance system which is connected to UK payments between travel buyers

Travel Ledger automates the com and speed up payments.

We provide fast low-cost services

# Payment & Settlement

Travala.com

Stays Flights Activities

Activate NFT

Explore NFT

MY TRIP

VOTE



LO

Home / Payment Options

About Us

Invite Program

Smart Program

Activate NFT

Best Price Guarantee

TravelSmart Protection

Travel Gift Cards

Travel Credits

Payment Options

## PAYMENT OPTIONS

Book 2,200,000+ Hotels and Accommodations Worldwide using these Payment Options



AVA



CREDIT CARD



Binance Pay



Crypto.com Pay



Wechat Pay



UTrust



BTC



BTC (Lightning)



ETH



USDT

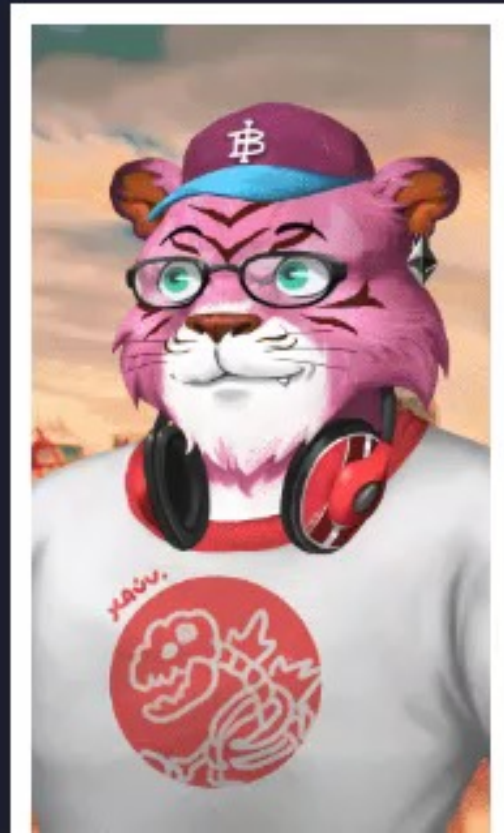


USDC



BNB


# Loyalty & Rewards (NFT)



# Digital Souvenirs



**airBaltic**

Latvia 

Airbus A220-300,  
YL-CSE, MSN 55007

Edition 1, Kuldīga

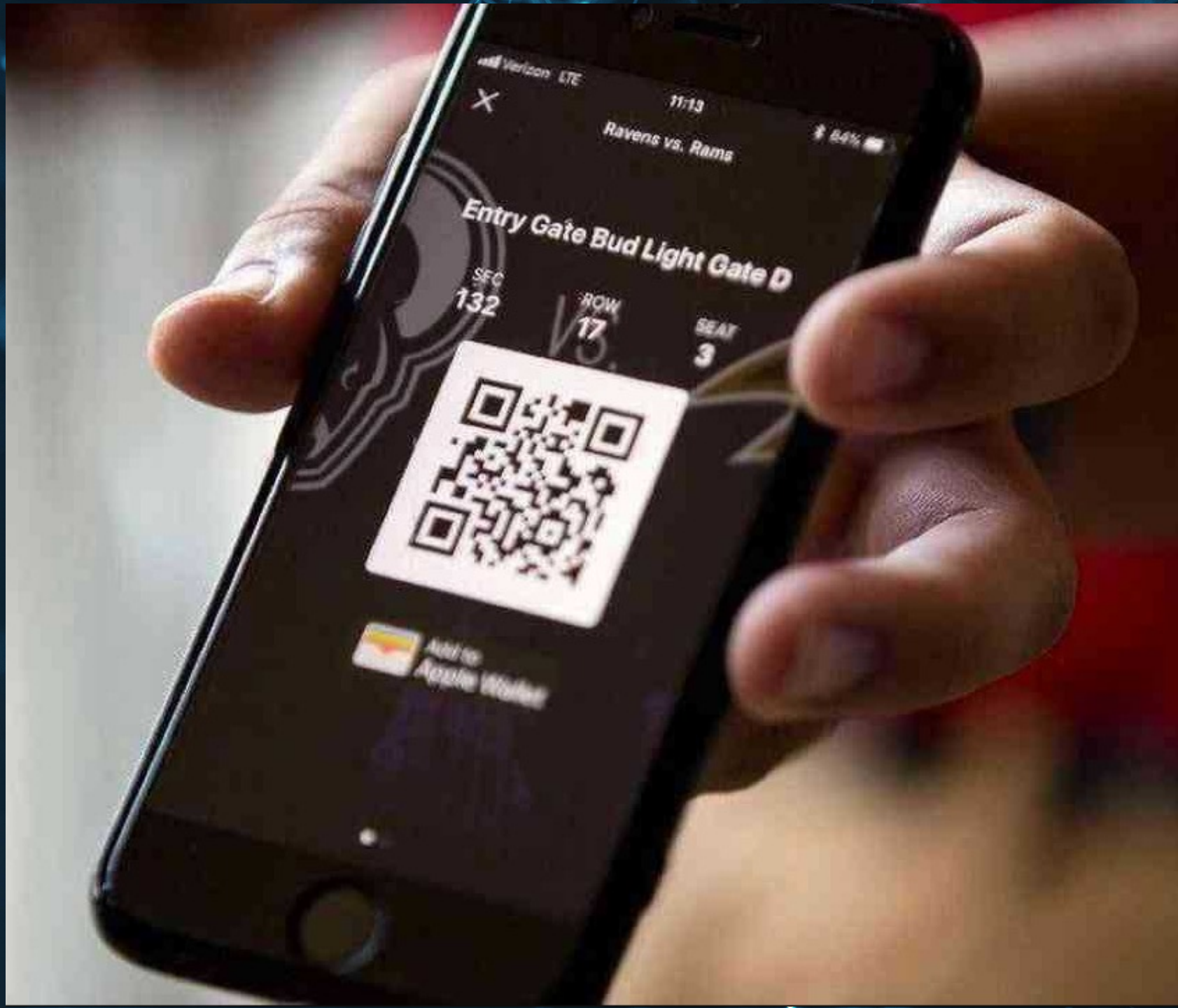
ORIGINAL RESOLUTION: 2880 X 3700px  
TOOLS USED: Photoshop  
FILE SIZE: 30 Mb





# NFT Tickets

<https://musiczone.substack.com/p/nft-lexemple-du-billet-de-concert?s=r>



# Self-Sovereign Identity



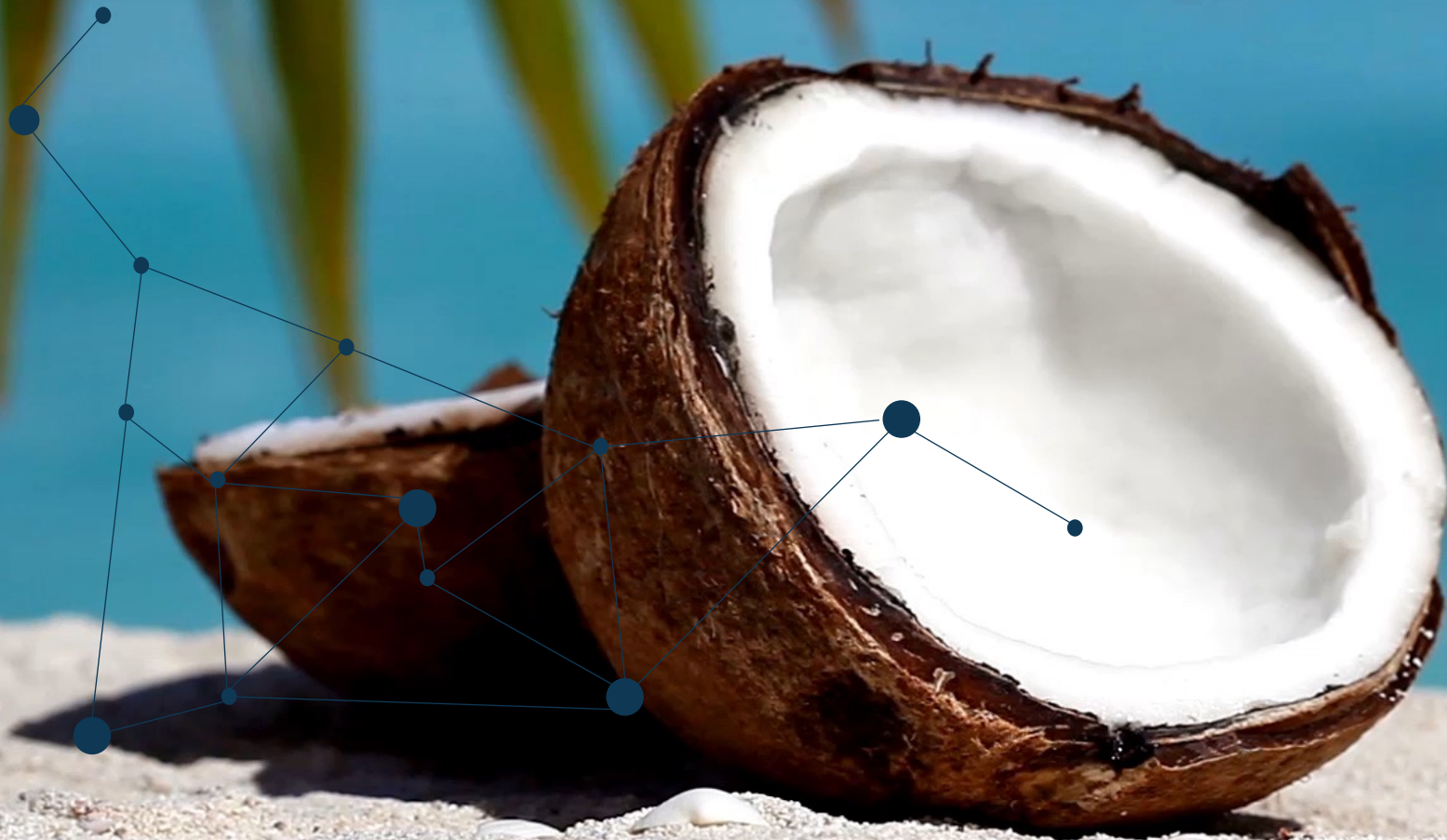
## How IATA Travel Pass is using blockchain technology to keep passengers in control of their data

DIGITAL TRANSFORMATION | INITIATIVES // JAN 2021

Share this...



# In a nutshell...





**“Blockchain**  
is a **we** technology  
**not a me** technology.”

*M. J. Casey*



**DYOR**

# Further Resources – free courses

## Blockchain at Berkeley - Blockchain Fundamentals

<https://www.youtube.com/watch?v=AUFOr9qWnhs&list=PLSONI1AVIZNXUhglrfgl6E3ayShvKI-o6>

<https://www.youtube.com/c/Thinklair>

<https://brave.com/de/>



**Danke!**