

# Decred for Business

Frisco, TX

January 27, 2018



## Introduction

# Marco Peereboom

**Decred New Systems Development  
CTO of Company 0 LLC**



## Agenda

We are going to talk  
about Decred and find out  
what it is and how to use it.



# What is Decred?

---



**Digital  
autonomous  
currency**



**Created to  
address a crisis of  
governance in  
Bitcoin**



**Decred holders  
are in charge of  
governance,  
not miners or  
developers**



**Governance  
system is opt-in  
and uses Proof-of-  
Stake**





No really, what is Decred?

## No really, what is Decred?

---

**Decred is freedom that enables you to take charge of your business's financial future.**

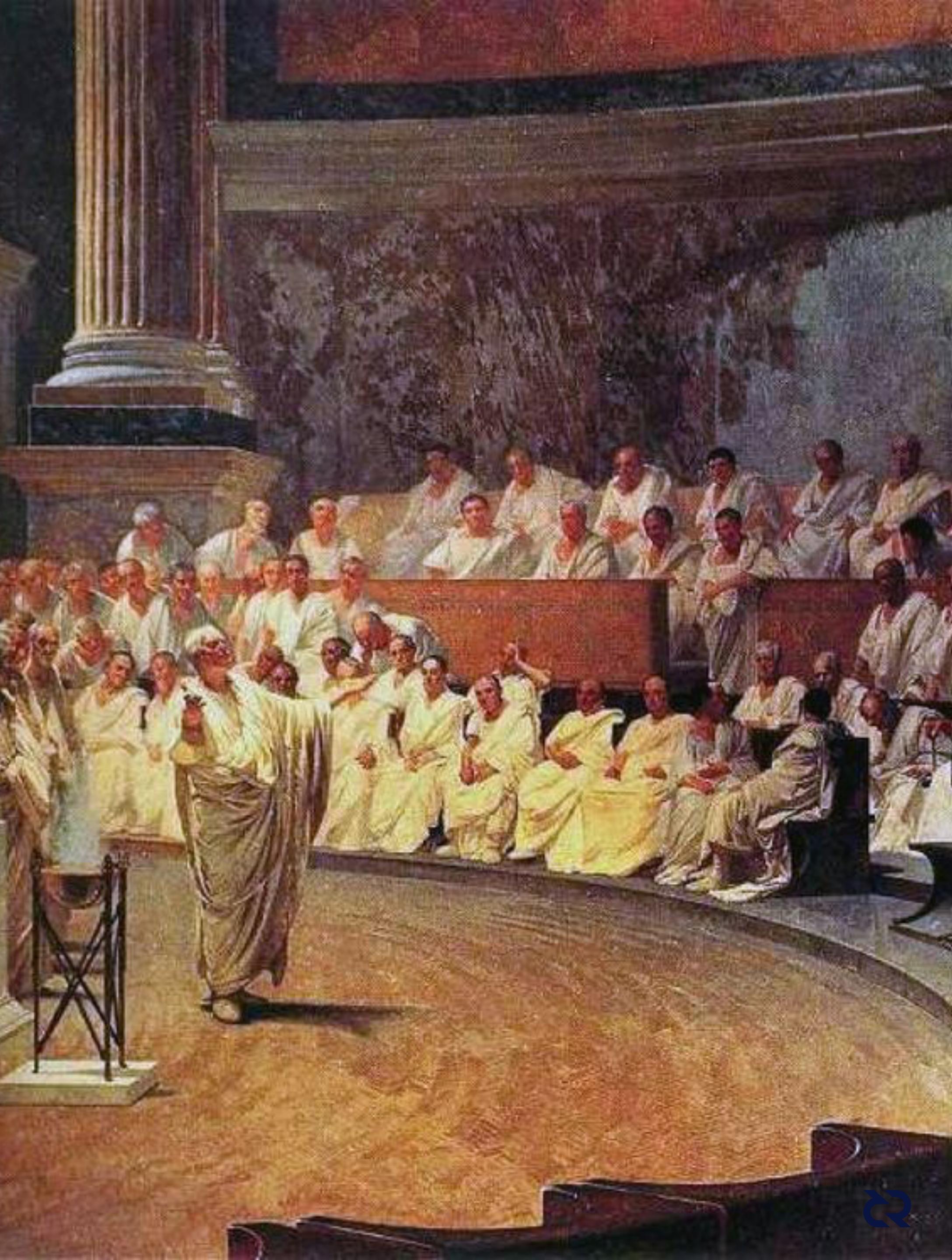


## No really, what is Decred?

---

- Decred enables you to be your own international bank
- Decred is permissionless, censorship resistant value store & transfer
- Decred provides access to international unbanked and underbanked audiences
- Decred is trustless banking
- Decred is fraud resistant

**Decred is stability through governance**



## Other Decred Use Cases

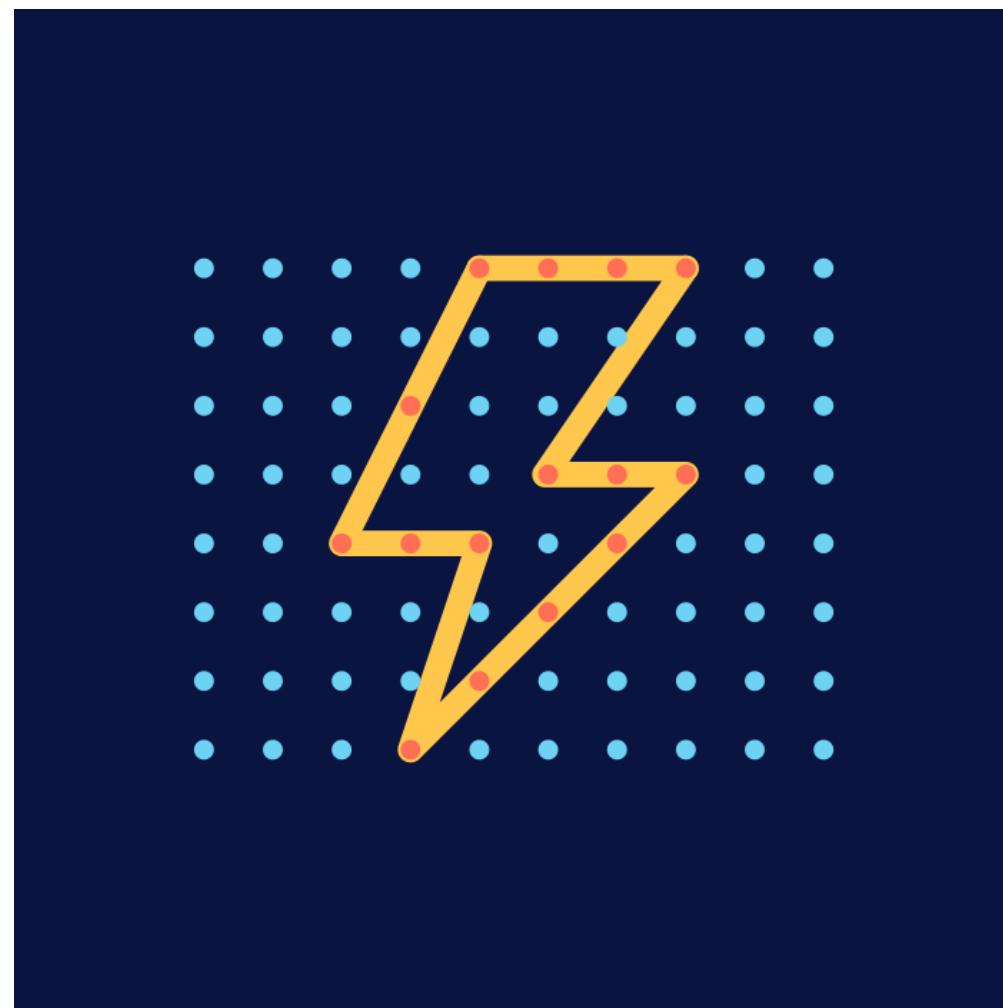
---



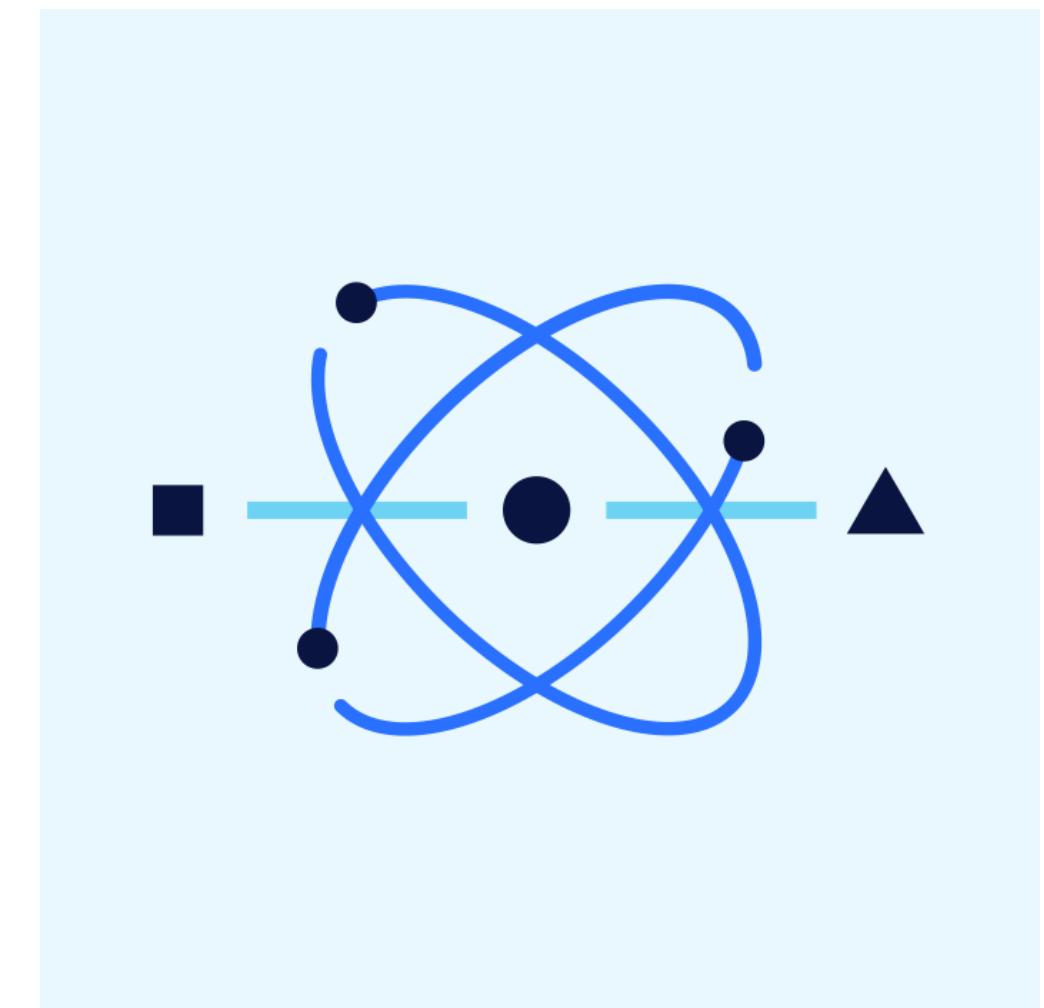
**Proof of  
existence via  
dcrtime**



**Governance  
through Politeia**



**Instant payments  
through Lightning  
Network**



**Trust-less  
exchanges using  
cross-chain atomic  
swaps**



## Decred dcrtime

---

Dcrtime collects 32 byte digests and **anchors** them hourly into the **Decred blockchain**.

- **Proof of existence**
- Regulatory compliance **primitive**
- **Simplify** audits, attestation etc
- Generic blockchain **anchoring** techniques



## Decred Politeia

---

Politeia creates a **time-ordered cryptographically-accountable digital commons** where speech of various formats can be exchanged with a “transparent” censorship mechanism.

- Document management
- Simple **audits** with cryptographic **accountability** and **attestation**
- Example proof-of-degree



## Decred Lightning Network

---

Lightning Network sits above the **Decred blockchain** and it **disintermediates** on-chain payments.

- **Instant** payments
- **Micro** payments
- **Continuous** payments
- GUI remains under development

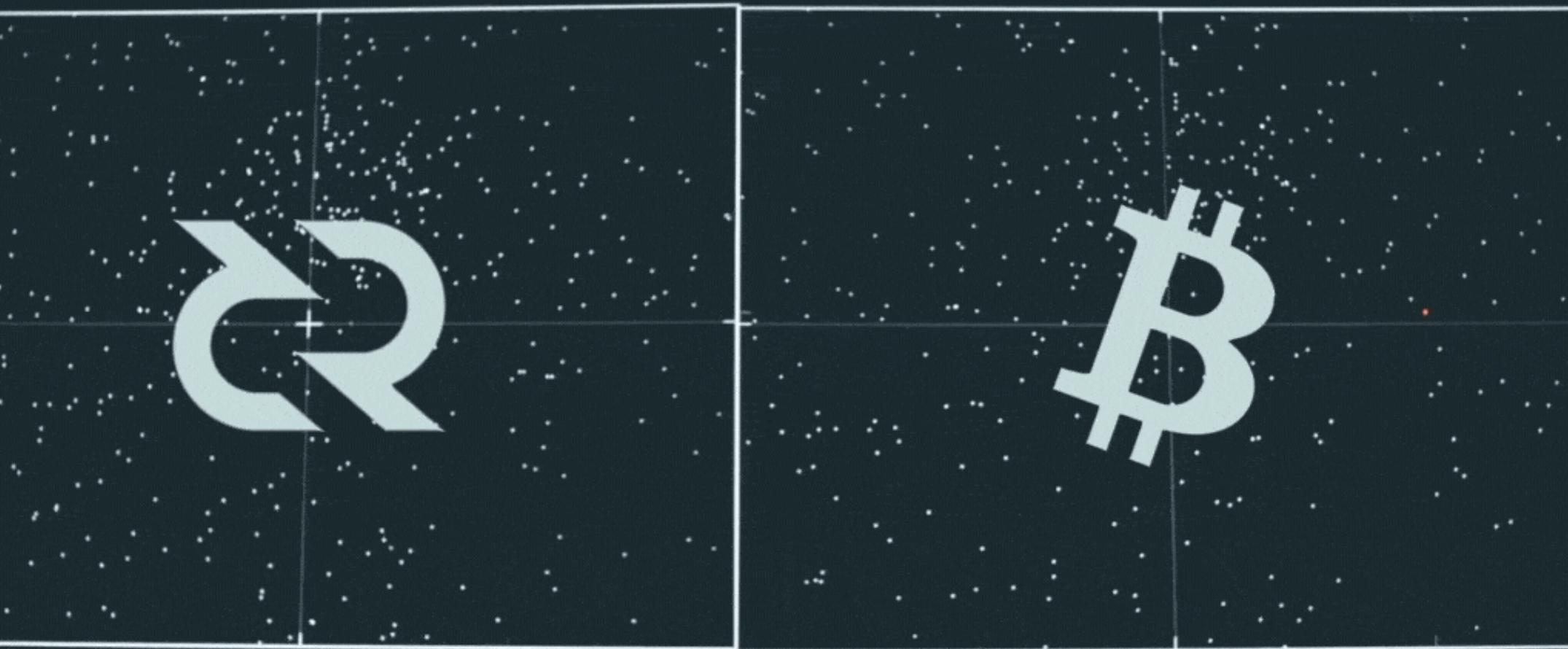


## Decred Cross-Atomic Swaps

---

Trustless, escrow-less crypto currency exchanges using **cross-chain atomic swaps**

- **Diversify** crypto holdings
- **Simplifies** on- and off-ramp
- **Flexibility** for your business



# Decred Payment Example

Decred Testnet Store Example

## Buy stuff with Decred!

This is a simple example store that accepts Decred payments. Click one of the 'Buy Now' buttons below and you will be presented with a Decred payment dialog. Send testnet coins to the specified address to finish checking out.

[Learn more »](#)

### Raspberry Pi 3

- BCM2837
- 1.2 GHz 64-bit quad-core
- 1GB RAM

[Buy Now For \\$35 USD](#)

### Raspberry Pi 0 W

- BCM2835
- 700 MHz single-core
- 512MB RAM

[Buy Now For \\$10 USD](#)



# Decred Payment Example

Decred Testnet Store Example

Buy st...

This is a simple example of how to buy something from the Decred Testnet Store. Just click the 'Buy Now' button next to the item you want to purchase, and it will open a modal window with payment instructions.

Instructions: Please send **exactly** 0.39 DCR to **Tsi6VXo1pF7iheTmi7W6kvswYbQ8AJcbrLA** to complete your order.

Status: No transaction seen yet, waiting for payment...

Learn more »

Close

Raspberry Pi 3

- BCM2837
- 1.2 GHz 64-bit quad-core
- 1GB RAM

Buy Now For \$35 USD

Raspberry Pi 0 W

- BCM2835
- 700 MHz single-core
- 512MB RAM

Buy Now For \$10 USD

2017 Decred Developers





# Decred Payment Example

Decred Testnet Store Example

Buy st...

This is a simple ex...

below and you will...

address to finish c...

Learn more »

Order #1

QR code

Instructions: Please send **exactly** 0.39 DCR to  
**Tsi6VXo1pF7iheTmi7W6kvswYbQ8AjcbmA** to complete your order.

TX: 9559c9d7c6cb5c7dc38ff2ec6298a4b2aa0b16d90e4e9bc2927cbe2190a2d4fe

Status: Waiting for more blocks to be mined... (have 0 out of 2 confirmations required)

Close

Raspberry Pi 3

- BCM2837
- 1.2 GHz 64-bit quad-core
- 1GB RAM

Buy Now For \$35 USD

Raspberry Pi 0 W

- BCM2835
- 700 MHz single-core
- 512MB RAM

Buy Now For \$10 USD

2017 Decred Developers

QR code

# Decred Payment Example

Decred Testnet Store Example

Buy st...

This is a simple ex...

below and you will...

address to finish c...

[Learn more](#)



Order #1

Instructions: Please send **exactly** 0.39 DCR to  
**Tsi6VXo1pF7iheTmi7W6kvswYbQ8AJcbrLA** to complete your order.  
TX: 9559c9d7c6cb5c7dc38ff2ec6298a4b2aa0b16d90e4e9bc2927cbe2190a2d4fe

Status: Payment complete with 2 confirmations!

Done! Payment complete! You may now close the modal.

[Close](#)

Raspberry Pi 3

- BCM2837
- 1.2 GHz 64-bit quad-core
- 1GB RAM

[Buy Now For \\$35 USD](#)

Raspberry Pi 0 W

- BCM2835
- 700 MHz single-core
- 512MB RAM

[Buy Now For \\$10 USD](#)

2017 Decred Developers



# Decred Payments Example

Example code at:

<https://github.com/decred/dcrpayments>

The screenshot shows a GitHub repository page for the project `dcrpayments / php-exampletestnetstore`. The repository has 2 issues and 0 pull requests. The README.md file contains the following content:

```
php-exampletestnetstore

This is a simple/basic mock up of a store running on testnet. It is intended to demonstrate an end-to-end integration of Decred payments.

Setup

• Install the PHP\_BLAKE module
• Install the pdo\_sqlite module
• Follow the method described in the main README to generate an extended public key and replace index.php with it.

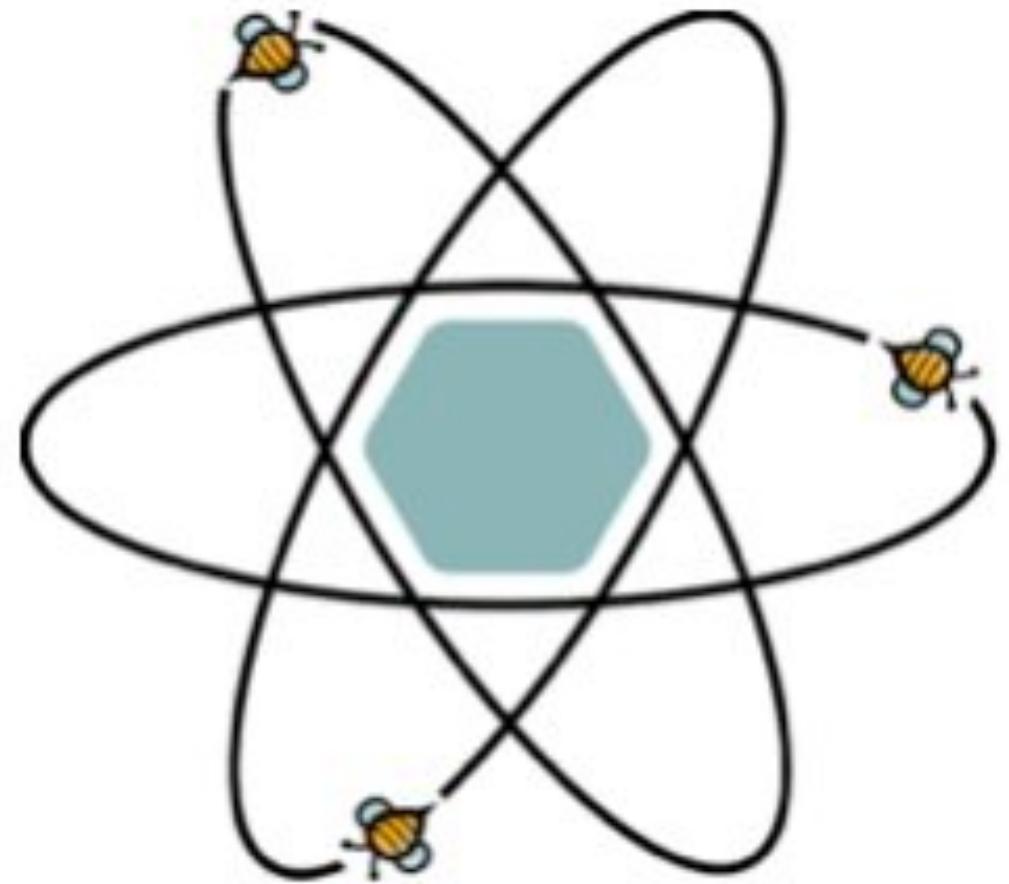
Running

• php -S localhost:8000
```

## Decred 3rd Party Payments Example

---

Third party payment processors  
drastically simplify the barrier of  
entry.



<https://globee.com>

<https://coinpayments.net>



CoinPayments

## Summary

---

- Growing pains
- Complicated on/off ramp
- Customers will demand it
- About to go mainstream
- Don't miss out



Interrogative

Questions?

Thanks!

January 27, 2018

Decred Team

