



# 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?

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**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**





A close-up, black and white photograph of a hand. The thumb is positioned over a white, oval-shaped pill. A red, rectangular pill is being held between the thumb and the index finger, positioned directly above the white pill. The background is dark and out of focus.

**No really, what is Decred?**



No really, what is Decred?

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





## No really, what is Decred?

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- 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

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The logo for DCRtime, featuring the word "DCRtime" in white lowercase letters on a green rectangular background.

DCRtime

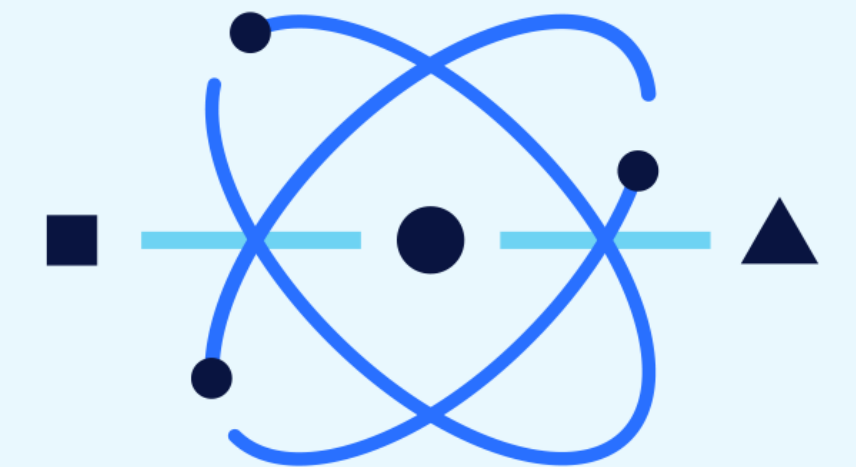
**Proof of  
existence via  
dcrtime**



**Governance  
through Politeia**



**Instant payments  
through Lightning  
Network**



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

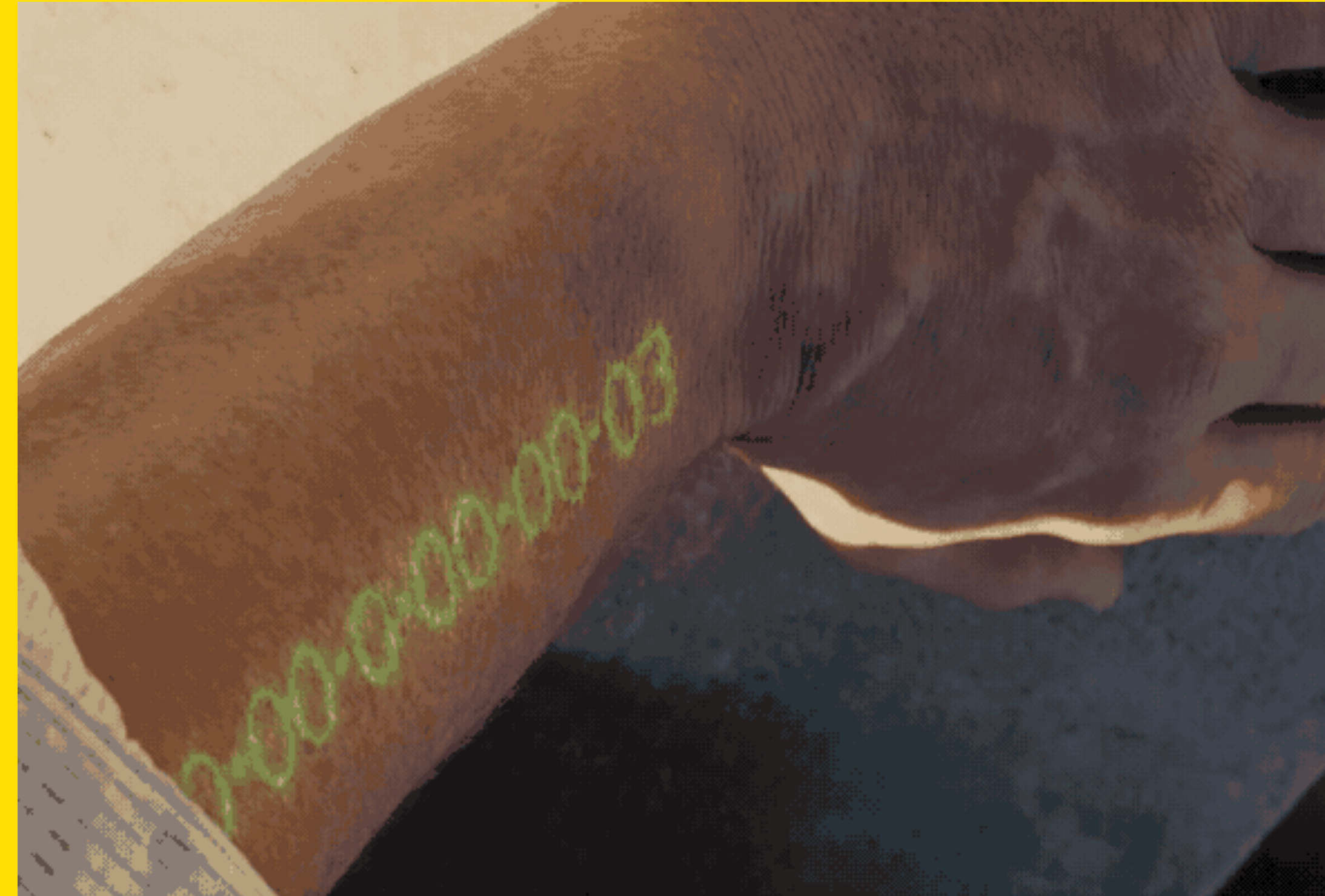


## Decred dcrtime

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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

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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

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

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

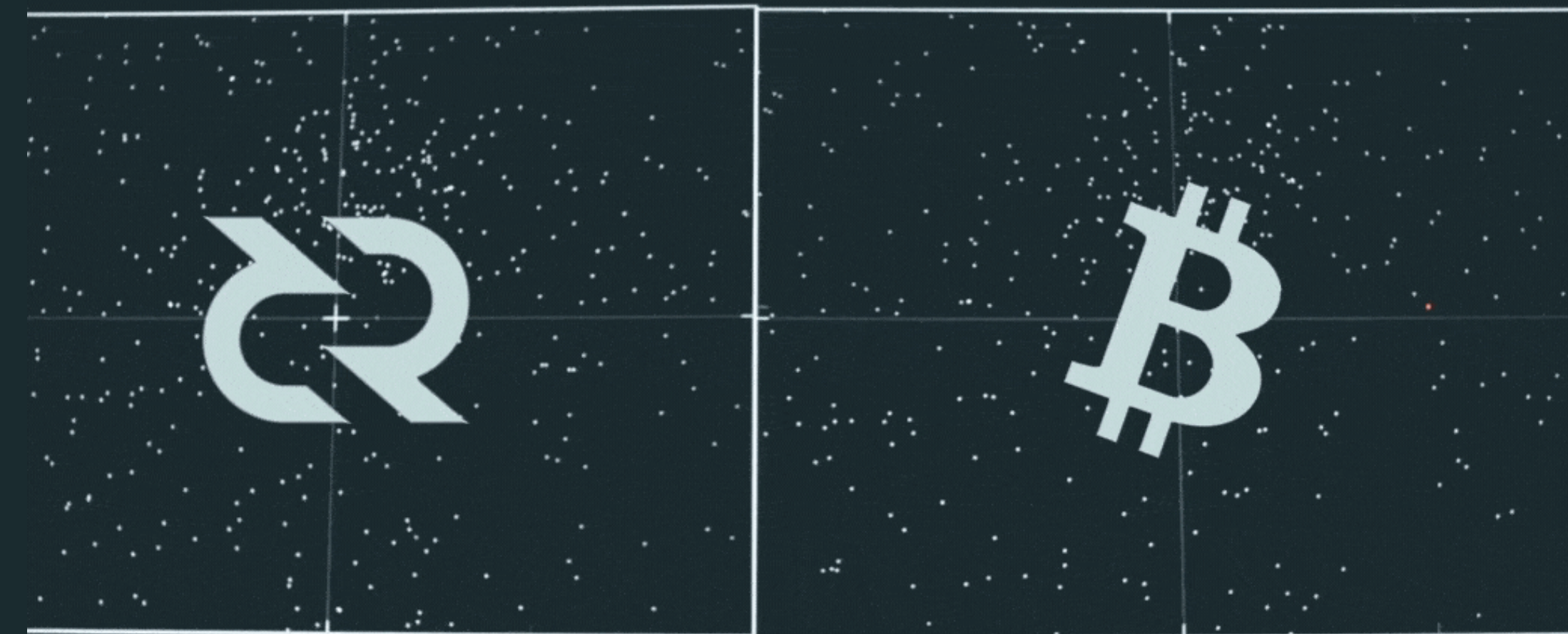


## Decred Cross-Atomic Swaps

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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 ex  
below and  
address to finish c

[Learn more »](#)

Order #1



**Instructions:** Please send **exactly** 0.39 DCR to  
**Tsi6VXo1pF7iheTmi7W6kvsWYbQ8AjcbrLA** to complete your order.  
**Status:** No transaction seen yet, waiting for payment...

Close

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2017 Decred Developers





# Decred Payment Example


Decred Testnet Store Example

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Learn more »

Order #1



**Instructions:** Please send **exactly** 0.39 DCR to  
**Tsi6VXo1pF7iheTmi7W6kvswYbQ8AJcbrLA** to complete your order.  
**TX:** 9559c9d7c6cb5c7dc38ff2ec6298a4b2aa0b16d90e4e9bc2927cbe2190a2d4fe  
**Status:** Waiting for more blocks to be mined... (have 0 out of 2 confirmations required)

Close

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Order #1



**Instructions:** Please send **exactly** 0.39 DCR to  
**Tsi6VXo1pF7iheTmi7W6kvswYbQ8AJcbrLA** to complete your order.  
**TX:** 9559c9d7c6cb5c7dc38ff2ec6298a4b2aa0b16d90e4e9bc2927cbe2190a2d4fe  
**Status:** Payment complete with 2 confirmations!

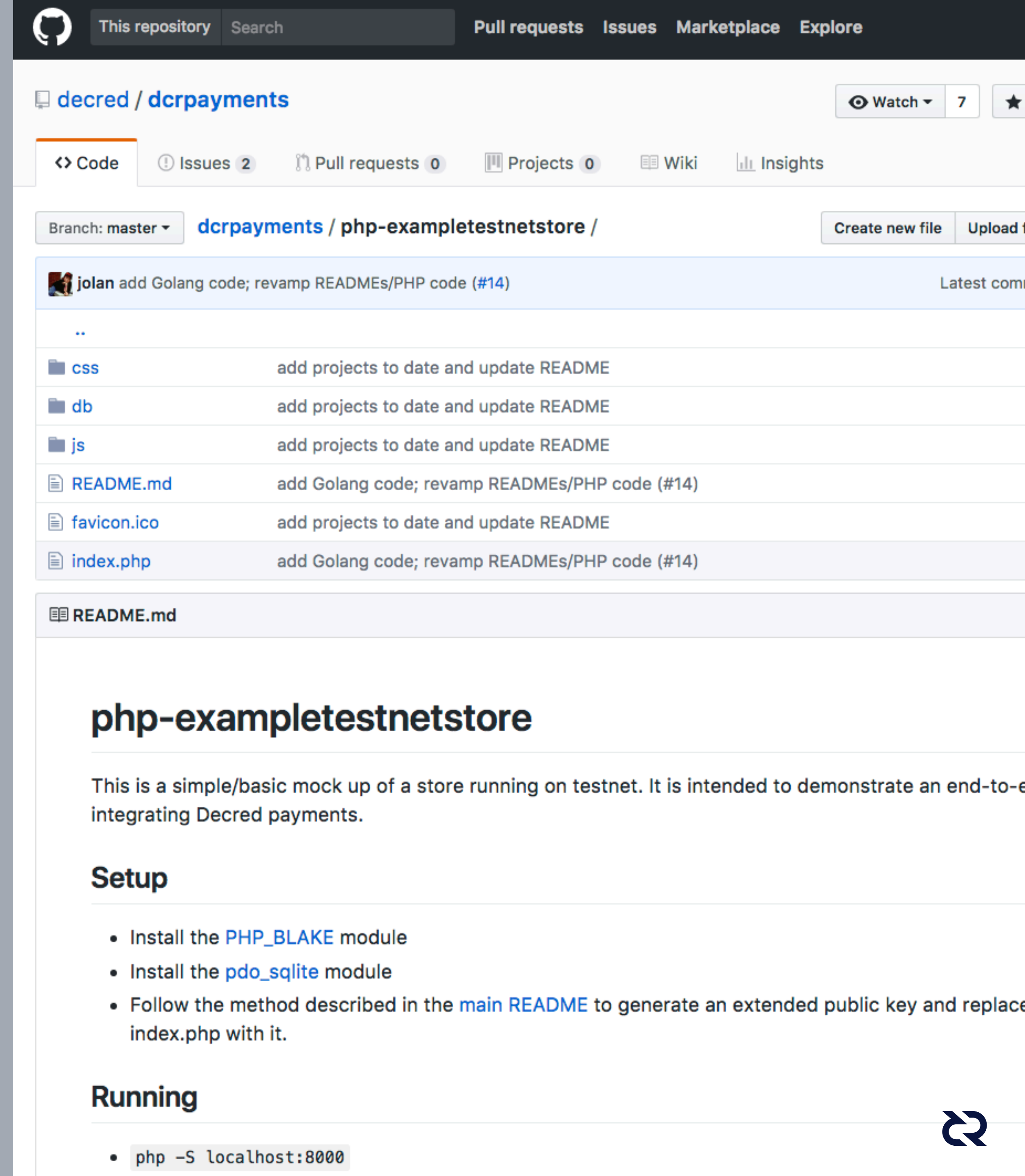
**Done!** Payment complete! You may now close the modal.

Close

# Decred Payments Example

Example code at:

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



The screenshot shows the GitHub repository page for `decred / dcrpayments`. The repository is on the `master` branch. The file list shows the following files and their commit messages:

File	Commit Message
..	..
css	add projects to date and update README
db	add projects to date and update README
js	add projects to date and update README
README.md	add Golang code; revamp READMEs/PHP code (#14)
favicon.ico	add projects to date and update README
index.php	add Golang code; revamp READMEs/PHP code (#14)

The `README.md` file is selected, showing 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`

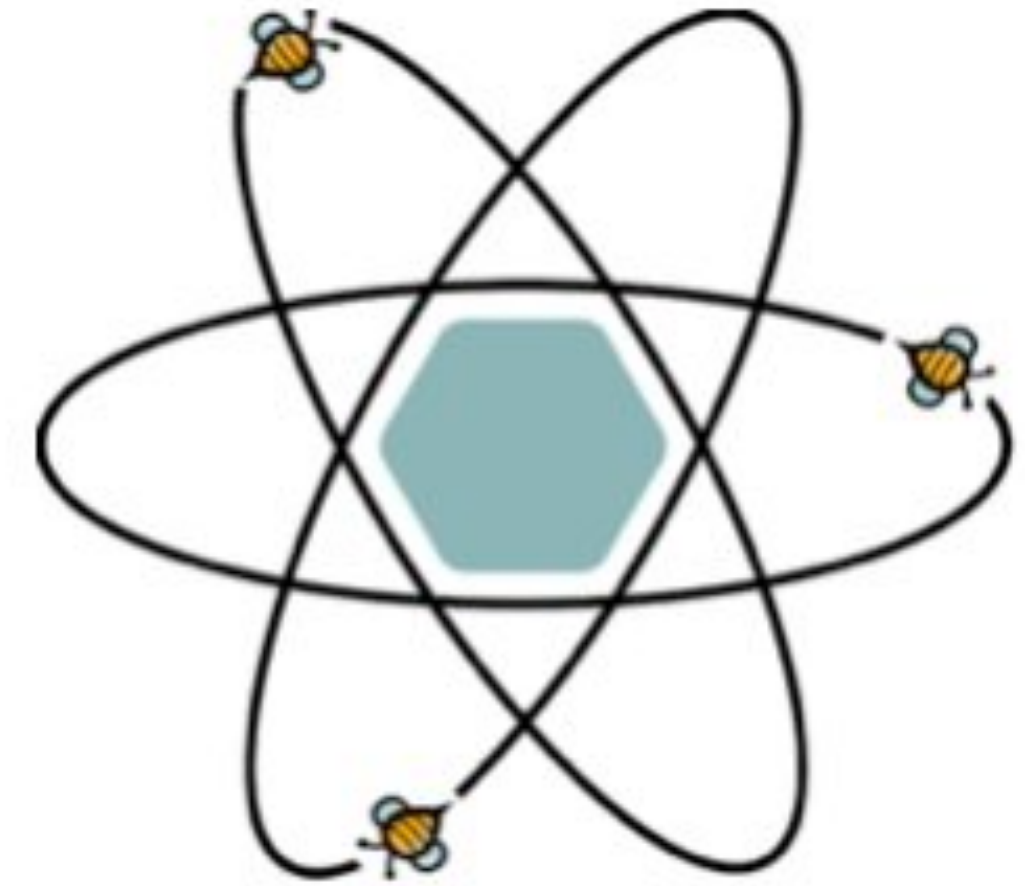
## Decred 3rd Party Payments Example

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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

