



### What is Decred?

Decred is a community-directed cryptocurrency with built-in governance to make it a superior long-term store of value.

Learn more about Decred at [decred.org](https://decred.org)

### What is DCR COMIC?

DCR Comic is a visual guide to Decred funded and developed by the Decred DAO and its community.

Learn more about us at [drcomic.org](https://drcomic.org)

# LIGHTNING NETWORK

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The Lightning Network is not a solution to every problem, but it will allow for an **unlimited** number of smaller transactions to be processed quickly off chain, opening up many new use cases.

Multiple interconnected channels create the Lightning Network.

Blockchains like Decred must limit the number of transaction they process, because otherwise it would be too hard for users to run their own nodes.

Off-chain, without the blockchain limits, transactions become almost instant and costless.

Lightning Network is a 2nd layer network. It uses smart contracts in order to move transactions off-chain, but retain the same guarantees that Proof-of-Work and Proof-of-Stake enable in the base layer.

Matheus Degiovani  
Decred LN Developer

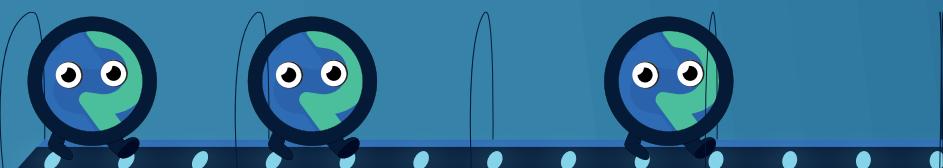


In the future, this tech could enable more than DCR payments, lowering the barriers to participate in governance and even creating bridges with other chains.

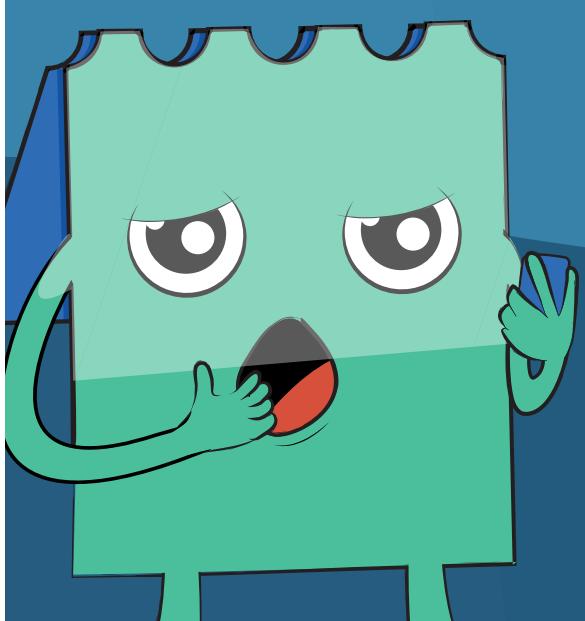
The Lightning Network is not a "one-size fits all" solution.  
The original code had to be customized and ported to the Decred chain.

These can route payments between two users without them having to open a direct channel.

- 1 Two LN nodes can open a payment channel by publishing a special TX that creates the S.C.



- 2 One of them funds the channel and once it is open, they can instantly update the state as many times as required.



- 3 Any party can close the channel at any time by publishing the latest state to the blockchain.

