



digitalprice
Cryptocurrency & Projects

Whitepaper

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Introduction

With the circulation of cryptocurrency becoming common, there is a need for additional information. The scope of this “white paper” is to provide that information.

If you are under the impression that blockchain technology is perfect and faultless, you are wrong. Blockchain protocols can be very slow, especially when tethered by lengthy block times. For instance, the Bitcoin protocol processes one block every 10 minutes which conveys, on average, 7 transactions per second. **DigitalPrice** does better.

On 4 October 2014 the cryptocurrency **DigitalPrice** was launched and traded under the symbol of “**DP**”. Currently this coin can be traded on several well-known exchange platforms. The amazing team behind the development of **DigitalPrice** describes their currency as representing the “third generation of cryptocurrency”, introduced by a group of cryptocurrency enthusiasts with the intent to gain trust and provide value in the crypto space.

As a 3rd generation currency, not only are transactions secured, private and fast, you actually get paid for holding **DigitalPrice** coins.

DigitalPrice uses the POS (Proof of Stake) method of consensus, and is based on the **SHA-256** algorithm. It provides protection on the network from malicious attacks and provides the staking mechanism that generates rewards for investors.

Every 120 seconds a block reward of 25 coins is mined and divided into two separate rewards, granting 66% of each block reward to masternode operators and 33% of each block reward to coin stakers.

Masternodes - Investors need to lock 25,000 coins in order to earn rewards and participate in the network's governance system. For example, on 26 February 2018, with the price at \$0.13 per "DP" and 348 Masternodes on the network, the user earns on average \$3.95 (29 "DP" coins) daily for supporting the network.

Staking - The investor can hold **DigitalPrice** coins in a "Wallet" installed on a computer. If the wallet is kept online and available to operate as support to the network, the user will earn rewards. The reward system is based on the weight of the total possessed coins to the network.

Coin Specifications

ALGORITHM: The SHA-256 cryptographic hash functions designed by the United States National Security Agency (NSA) uses a sequence of an almost-unique, fixed size 256-bit hashes. This allows fair processing and distribution of coins. It is known to be the one of the safest and most sophisticated cryptographic hashes in current use. Can you trust your coin with us? Of course, and these are the reasons why:



Ticker : DP
Algorithm : SHA256
Block Time : 120 seconds
Block Rewards : 25 Coins
Max Supply : 100 Million

Security: With the unique 256-bit hashes used in this algorithm, it is secure. It is a "one-way" cryptographic function and cannot be decrypted back to the original text. The increased complexity provides enhanced

levels of security in comparison to several other algorithms that are not properly secured.

Effectiveness: The SHA-256 algorithm is quick to compute, resistant to pre-image and second pre-image attacks, and is collision resistant.

BLOCKTIME: The block time for Bitcoin is 10 minutes, **DigitalPrice** block time averages 120 seconds, significantly less than Bitcoin. This allows for increased capacity of the network.

BLOCK REWARD: Each new mined block generates 25 new coins in reward, distributed to masternode operators and coin stakers who support the network.

MAXIMUM COIN SUPPLY: The maximum supply of coins will be capped at 100 million and will be reached in 2031.

Unique Features and Functions of DigitalPrice Coin

Key features that make DigitalPrice coin different include:

- **Proof of Stake (PoS)**

One of the unique features of DigitalPrice is that it is a fully Proof of Stake (PoS) coin, which ensures increased protection and safety on the network from malicious attacks. Proof of Stake is a distributed consensus method that can be used in decentralized anti-spam systems. Rather than the users performing a certain amount of unsecured computational work with expensive equipment (found in PoW consensus method in many

cryptocurrencies), PoS requires the user to show ownership (or “stake”) of the coin.

More simply, PoS occurs when a miner sets coins aside (like a savings account), and uses their computer and software client to validate network exchanges. The cryptographic estimations in PoS systems are substantially less complex for personal computers to solve: the user must merely demonstrate possession of a predetermined minimum level of the total accessible coin supply. For example, if a user possesses 5% of the coin supply, they would have the capacity to mine 5% of all exchanges on the DigitalPrice network.

The DigitalPrice network also accounts for the “weight” of the total system and the weight of every one of the coins that are currently staking on the whole DigitalPrice network. Weight is a measurement akin to age; the longer a coin has been staked, the greater the corresponding weight. The coin in a user’s wallet that is accessible for staking has a weight which grows with the duration of time that the coin has been staked, which will correspondingly increase the chances of minting new coins through the PoS system.

- **InstantSend**

InstantSend is a service that allows for near-instant transactions, for a nominal fee. Through this system, inputs can be locked to specific transactions and verified by consensus of randomly-chosen masternodes in the masternode network. Conflicting transactions and blocks are rejected. If a consensus cannot be reached, validation of the transaction occurs through standard block confirmation. InstantSend solves the double-spending problem without the longer confirmation times of other cryptocurrencies.

- **Private Send**

PrivateSend is a coin mixing service which is native in the DigitalPrice network. In its current implementation the service uses the masternode network to add privacy to transactions by combining identical inputs from multiple users into a single transaction with several outputs. Due to the identical inputs, transactions usually cannot be directly traced, obfuscating the flow of funds. PrivateSend makes DigitalPrice truly fungible by routing payments in fractions of the total transaction amount through the masternode network, clouding the original sender.

- **Masternodes**

A masternode is a server associated with the DigitalPrice network which ensures a specific level of execution and service associated with the PrivateSend and InstantSend modes of exchange. Masternodes are compensated 66% of each block reward for their service as part of the PoS consensus method.

Who can run a masternode? Anybody! The desired outcome of the masternode system is a level of decentralization that keeps the network safe from attacks associated with majority control of a network. However, in order to keep actors honest, the operation of a masternode requires the 'locking' of 25,000 DigitalPrice coins as collateral which will be forfeit if the masternode operator acts in a malicious way. If the coins are forfeit, the masternode will no longer be accepted on the network and will therefore be barred from receiving any further block rewards.

While the intent of the masternode network is to achieve decentralization, there is no harm in users running multiple masternodes as they will be

able to relay network information quickly while holding duplicates of the full DigitalPrice blockchain. The more masternodes, the better and more secure the DigitalPrice network.

DigitalPrice masternodes validate all InstantSend transactions within 4 seconds by communicating each transaction across all nodes on the network to prevent double spending. When PrivateSend transactions are initiated, masternodes perform the work necessary to make the transactions difficult to trace, through a mixing process.

Key features and notes:

- 25000 DigitalPrice coins are required to operate a masternode
- Users may run multiple masternodes
- 66% of each block reward granted to the masternode
- 10,000 DigitalPrice coins divided daily between masternodes.
- Pure PoS coin

Roadmap and Project

The DigitalPrice team has been working hard to ensure continuous security and development of the network. The following is a list of some of the ongoing projects:

Scrypto.io

Scrypto is an online networking platform intended for both retail

cryptocurrency enthusiasts and cryptocurrency developers in order to bring producers and consumers together to exchange content, desired products and services, and general information about the crypto space. Scrypto will encourage the exchange of tips by hosting web wallets for a number of cryptocurrencies within each users profile, making it very easy to store, send, and receive cryptocurrency in return for content.



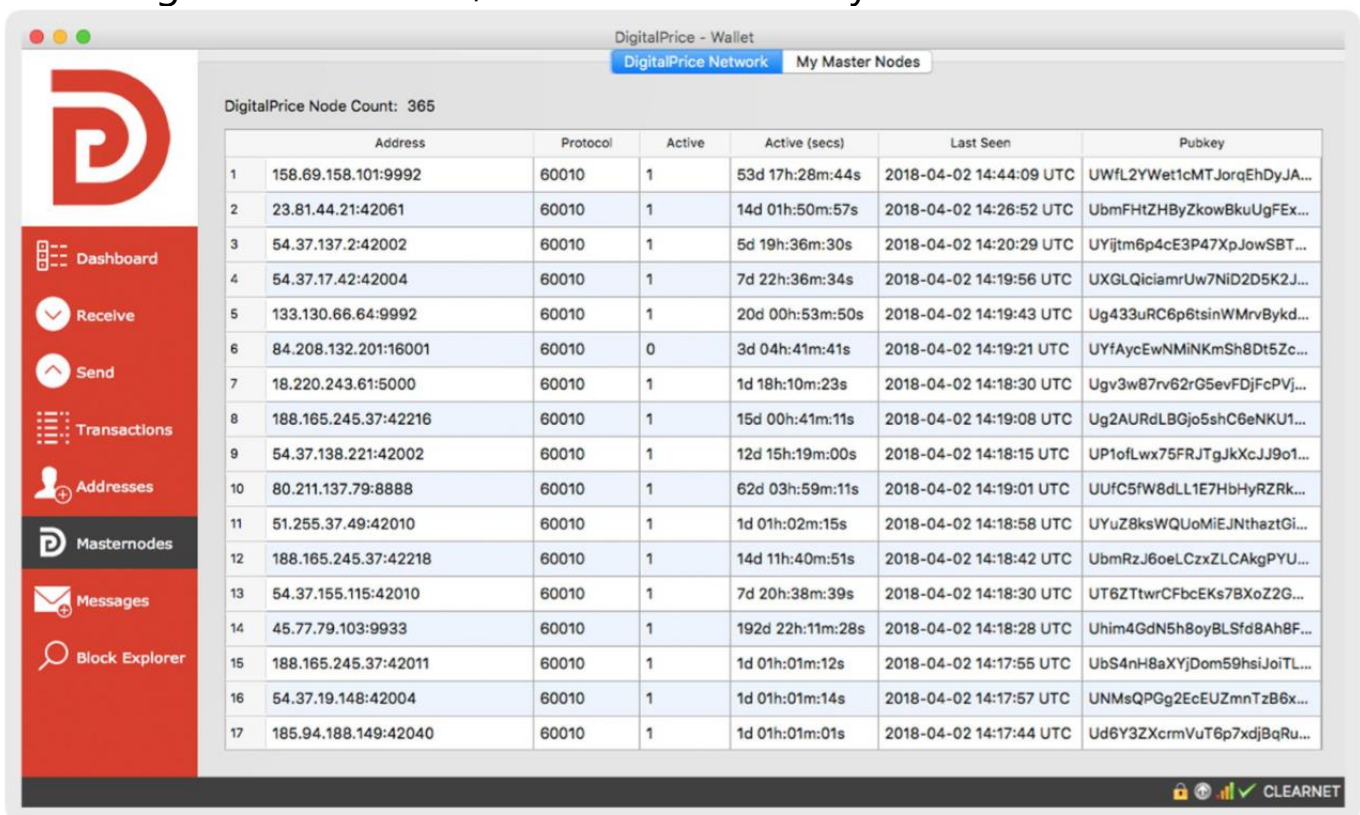
Users may make groups, share information about coins and rewards, or just build a network in the crypto space.

In addition to the social function of Scrypto, the platform will offer **the ability to rate and host masternodes**. Rather than the user needing to configure a masternode on their own hardware, maintaining up-time and paying for electricity and equipment, the user may host a masternode with Scrypto (paying a nominal monthly fee) and not have to worry about their own hardware and maintenance.

Wallet development

A cryptocurrency wallet enables the user to store and exchange coins with other users. It is encrypted software on the user's personal computer that stores the private keys to all coins in the user's possession. The DigitalPrice wallet does not require any compiling or coding ability to set up as it is contained in one executable file. The user is recommended to encrypt and back-up their wallet (further instructions can be found at DigitalPrice.org) for additional security.

In the DigitalPrice GitHub, wallets are currently available for:



The screenshot shows the DigitalPrice Wallet interface. The title bar reads "DigitalPrice - Wallet" and "DigitalPrice Network My Master Nodes". Below the title bar, it says "DigitalPrice Node Count: 365". The main content is a table with 7 columns: Address, Protocol, Active, Active (secs), Last Seen, and Pubkey. The table lists 17 master nodes. A sidebar on the left contains navigation options: Dashboard, Receive, Send, Transactions, Addresses, Masternodes, Messages, and Block Explorer. The bottom right corner of the window shows system icons and the text "CLEARNET".

	Address	Protocol	Active	Active (secs)	Last Seen	Pubkey
1	158.69.158.101:9992	60010	1	53d 17h:28m:44s	2018-04-02 14:44:09 UTC	UWfL2YWet1cMTJorqEhDyJA...
2	23.81.44.21:42061	60010	1	14d 01h:50m:57s	2018-04-02 14:26:52 UTC	UbmFHTZHByZkpwBkuUgFEx...
3	54.37.137.2:42002	60010	1	5d 19h:36m:30s	2018-04-02 14:20:29 UTC	UYijt6p4cE3P47XpJowSBT...
4	54.37.17.42:42004	60010	1	7d 22h:36m:34s	2018-04-02 14:19:56 UTC	UXGLQiciamrUw7NiD2D5K2J...
5	133.130.66.64:9992	60010	1	20d 00h:53m:50s	2018-04-02 14:19:43 UTC	Ug433uRC6p6tsinWMrvBykd...
6	84.208.132.201:16001	60010	0	3d 04h:41m:41s	2018-04-02 14:19:21 UTC	UYfAycEwNMiNkMSh8Dt5Zc...
7	18.220.243.61:5000	60010	1	1d 18h:10m:23s	2018-04-02 14:18:30 UTC	Ugv3w87rv62rG5evFDjFcPVj...
8	188.165.245.37:42216	60010	1	15d 00h:41m:11s	2018-04-02 14:19:08 UTC	Ug2AURdLBGjo5shC6eNKU1...
9	54.37.138.221:42002	60010	1	12d 15h:19m:00s	2018-04-02 14:18:15 UTC	UP1ofLwx75FRJTgJkXcJJ9o1...
10	80.211.137.79:8888	60010	1	62d 03h:59m:11s	2018-04-02 14:19:01 UTC	UUFc5fW8dLL1E7HbHyZRk...
11	51.255.37.49:42010	60010	1	1d 01h:02m:15s	2018-04-02 14:18:58 UTC	UYuZ8ksWQUoMiEJNthaztGi...
12	188.165.245.37:42218	60010	1	14d 11h:40m:51s	2018-04-02 14:18:42 UTC	UbmRzJ6oeLCzxZLCAkgPYU...
13	54.37.155.115:42010	60010	1	7d 20h:38m:39s	2018-04-02 14:18:30 UTC	UT6ZTtwrCFbcEKs7BXoZ2G...
14	45.77.79.103:9933	60010	1	192d 22h:11m:28s	2018-04-02 14:18:28 UTC	Uhim4GdN5h8oyBLSfd8Ah8F...
15	188.165.245.37:42011	60010	1	1d 01h:01m:12s	2018-04-02 14:17:55 UTC	Ubs4nH8aXYjDom59hsiJoiTL...
16	54.37.19.148:42004	60010	1	1d 01h:01m:14s	2018-04-02 14:17:57 UTC	UNMsQPGg2EcEUZmnTzB6x...
17	185.94.188.149:42040	60010	1	1d 01h:01m:01s	2018-04-02 14:17:44 UTC	Ud6Y3ZXCrmVuT6p7xdjBqRu...

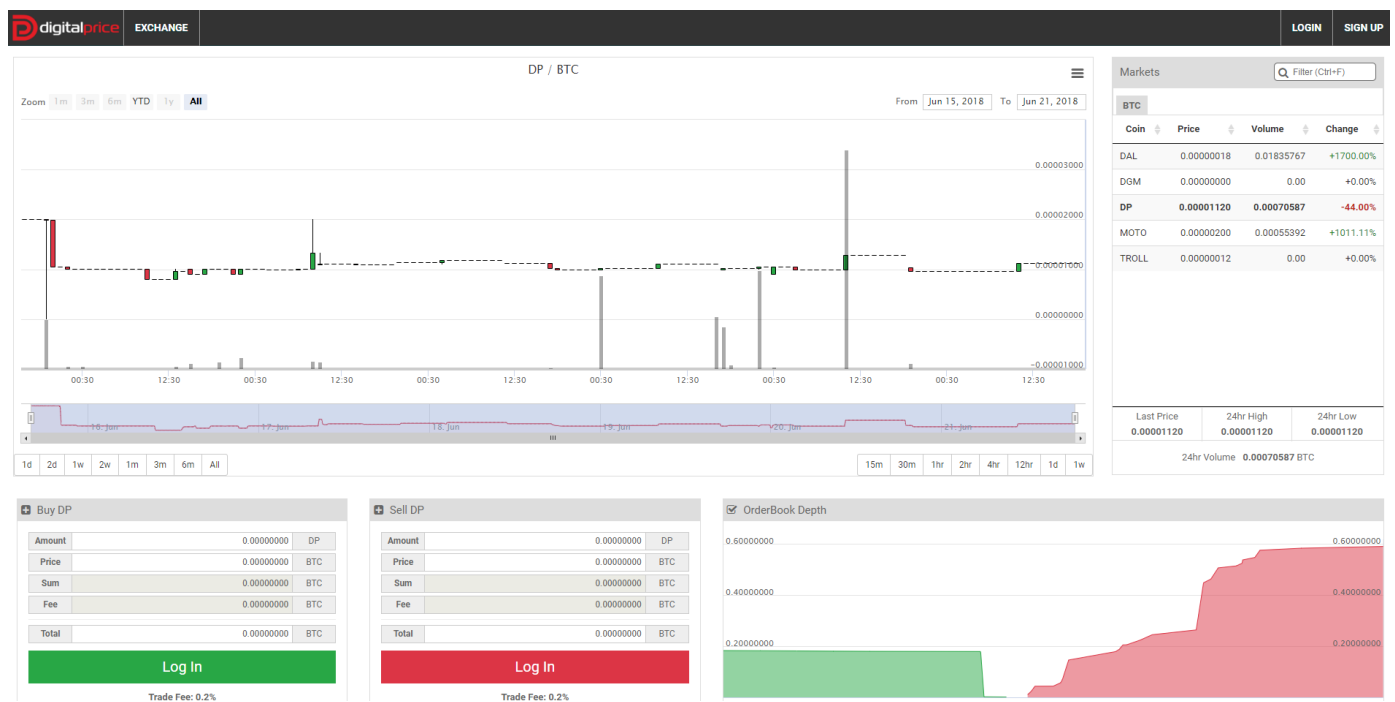
(Wallet GUI//DigitalPrice-qt)

- Windows
- Macintosh OS

Under development:

- Linux
- Android

DigitalPrice.io : Cryptocurrency Exchange



DigitalPrice Coin can be found on a number of different exchanges around the world including Cryptopia, and Coinexchange. In addition to these exchanges, the DigitalPrice team has launched their own exchange at DigitalPrice.io, seeking to provide a place with reasonable listing and exchange fees for interesting new projects. All listing and trading fees will be paid to the DigitalPrice team and at random intervals every few weeks, the DigitalPrice team will use these collected fees to buy back DigitalPrice coin, thus providing additional demand for the asset.

Conclusion

The DigitalPrice team believes that their dedication, diligence, and clear vision has created a cryptocurrency with a promising future. DigitalPrice is an extremely fast, secure, and private cryptocurrency that creates income for the DigitalPrice users and investors.

DigitalPrice, unlike other cryptocurrencies has a use case: **Scripto.io** which utilizes only DigitalPrice coins as a payment method for the services provided on the platform which include masternode rating, masternode hosting, cryptocurrency information sharing, blogging, and web wallets.