

Komodo's Blockchain Security Service

Security is the foundation of every single blockchain.

Without adequate security, a blockchain project cannot thrive. Many blockchain startups are unable to focus exclusively on development because the threat of a 51% attack is a constant distraction.

Fortunately, there is an easy solution. Komodo's Blockchain Security Service protects every integrated blockchain with the power of the Bitcoin network, for a tiny fraction of the cost.

A Brief History of 51% Attacks

Until the beginning of 2018, the notion of a 51% attack was merely a theoretical problem.

While Satoshi Nakamoto noted in the original Bitcoin white paper that a Proof of Work (PoW) blockchain is only reliable “as long as honest nodes control the network,” not a single 51% attack had been successfully executed.

All of that changed in the spring of 2018. A wave of successful attacks over the last 12 months has proved that the threat is very real.

Below is an overview of all the 51% attacks that have occurred in the blockchain space since April 2018.

Project	Date	Loss
Verge (XVG)	April 4, 2018	~\$1.1 Million
Monacoin (MONA)	May 14, 2018	~\$90,000
Verge (XVG)	May 22, 2018	~\$1.75 Million
Bitcoin Gold (BTG)	May 29, 2018	~\$18 Million
ZenCash (ZEN)	June 2, 2018	~\$550,000
Litecoin Cash (LCC)	June 4, 2018	Unknown
Flo Blockchain (FLO)	Sept 8, 2018	~\$27,5000
Aurum Coin (AU)	Nov 8, 2018	~\$500,000
Vertcoin (VTC)	Dec 2, 2018	~\$100,000
Ethereum Classic (ETC)	Jan 7, 2019	~\$1.1 Million

That's 10 successful 51% attacks for a total of more than \$23 Million in losses, with an average loss of \$2.5 Million per attack.

Blockchain Vulnerability

The unfortunate reality is that many blockchains are extremely vulnerable. With hash power rental sites like NiceHash, attackers don't even need to make a costly investment in hardware to carry out a 51% attack. Sufficient hash power can be rented anonymously online.

To make matters worse, the cost of renting adequate hashpower to execute a 51% attack is staggeringly low. Dozens of projects can be attacked for just a few hundred dollars an hour.

For these reasons, blockchain attacks are becoming more and more common. Since April 2018, there have been 10 confirmed 51% attacks. The average financial loss from one attack is more than \$2.5 Million— and that only accounts for the value of the stolen coins.

In addition to direct financial losses, a successful 51% attack causes a number of other immeasurable losses an attack causes, such as:

- being delisted from exchanges
- a surge of negative press coverage
- reduced confidence in the blockchain
- a substantial reduction in the price of the currency
- decreased likelihood of future investment

A successful attack is a catastrophic event for any blockchain project.

10 successful 51% attacks
caused more than
\$23 Million
in losses to blockchain projects.

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Mitigate The Risk Of 51% Attacks

51% attacks are becoming more and more common. In 2018 alone, 10 separate attacks led to more than \$23 Million in losses. It's crucial to protect your blockchain and your investors.

Outsource Security & Focus On Development

The constant threat of a 51% attack can be a major distraction for many blockchain startups. Outsource your security to Komodo so you can focus on development.

Recycle The Power Of The Bitcoin Network

Komodo's delayed Proof of Work (dPoW) mechanism recycles the hash rate of the Bitcoin network, protecting every integrated chain with BTC-level security for a fraction of the price.

An Industry-Wide Security Solution

Komodo's Blockchain Security Service is available to any UTXO-based blockchain, regardless of the consensus mechanism and hashing algorithm. It's an industry-wide solution.

Get
Bitcoin-level security
with Komodo's
Blockchain Security Service.

A Growing Security Alliance

Six blockchain projects have already adopted Komodo's Blockchain Security Service.



In addition, CoinBene, one of the world's biggest digital asset exchanges, officially endorses Komodo's Blockchain Security Service as the industry's leading security solution.



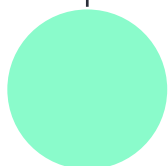
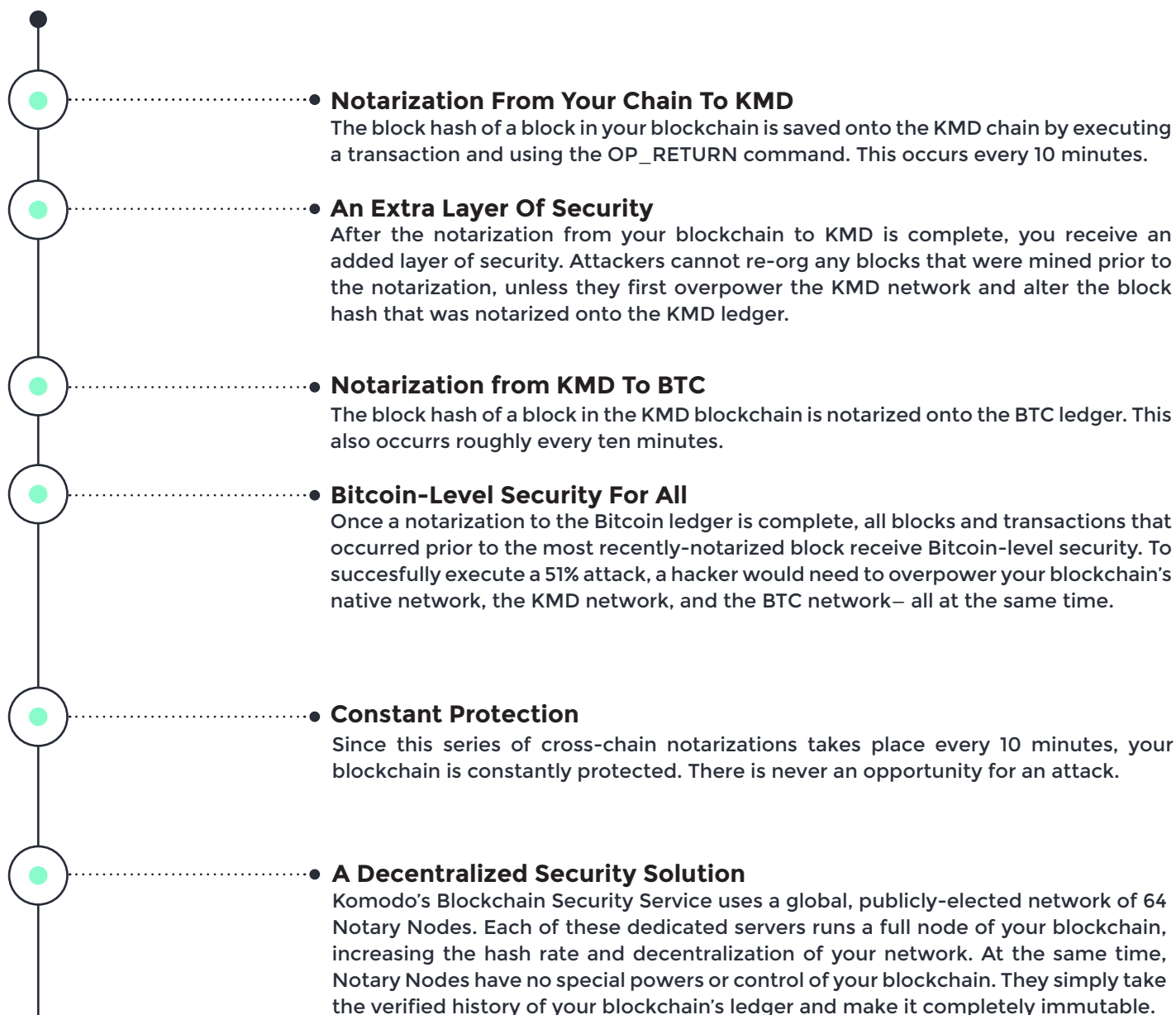
“Einsteinium network experienced a real 51% attack. Komodo dPoW, that we implemented in our code recently, kicked in and protected the chain. We are very pleased that this solution worked well and that Einsteinium chain is protected from any attacks in the future.”

-- Einsteinium Foundation

Delayed Proof of Work (dPoW) Security

Komodo's Blockchain Security Service is powered by the innovative delayed Proof of Work (dPoW) security mechanism. A global network of 64 dedicated Notary Nodes perform a series of cross-chain notarizations to protect every integrated blockchain with the power of the Bitcoin hash rate.

Your blockchain's network still determines the truth of your blockchain. Komodo's Blockchain Security Service simply makes that truth immutable.



Secure Your Blockchain With Komodo's Blockchain Security Service.

If you'd like to protect your blockchain with the power of the BTC network, get integrated to Komodo's Blockchain Security Service today.

Contact marketing@komodoplatfrom.com to begin the process.

Outsource security so you can focus on making your project a success.

<https://komodoplatfrom.com/>



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