



## Overview

Cryptyk is building the world's first complete cyber-security and cloud storage solution from a single vendor. Utilizing *Hybrid Blockchain Technology*, Cryptyk is the first security and storage solution that protects against all five major security threats to the cloud (external, internal, viral, operational and surveillance threats). For the deployment of this decentralized technology, Cryptyk has created the Cryptyk Token (CTK) as the new digital currency to power an entirely independent cloud security and storage economy.

## The Broken Cyber-Security Economy

For every \$1 spent on cloud storage, \$4 is spent on cyber-security to protect that storage from hackers. For that sort of money, you would think that hacking will soon become a thing of the past. However, the reality is the exact opposite. Currently, for every \$4 spent on cyber-security over \$25 is still lost to cyber-crime. This year almost \$1 trillion dollars of financial losses will be inflicted on the world by hackers. Obviously the \$150B cloud security and storage industry has become largely ineffective and cost inefficient. Conventional security strategies simply do not work anymore. We not only need a new disruptive cyber-security technology, we need an entirely new cyber-security economy and ecosystem.

## Hybrid Blockchain Technology

Cryptyk has combined decentralized cloud storage with blockchain auditing to produce *Hybrid Blockchain Technology*. This hybrid architecture effectively works to take the profit out of hacking and the risk out of the cloud. It consists of two decentralized platforms that perform separate but synergistic functions;

1. VAULT is Cryptyk's decentralized cloud storage and file sharing platform. When uploading to VAULT, files get encrypted and then divided into 5 smaller pieces using intelligent randomization. These pieces are then encrypted again and distributed separately amongst 5 major independent cloud providers. This design is passively immune to all external hacks, and even the occasional DDOS attack or server failure. Meanwhile viruses and malware cannot assemble themselves, execute or propagate. Most importantly, it has a tested access latency of less than 200ms to enable real time cloud applications.
2. SENTRY is Cryptyk's blockchain auditing platform. This acts as an extra layer of decentralized security surrounding Vault by controlling all user access and tracking file sharing and communications. Add AI monitoring of the blockchain and you get the ultimate in predictive technology to counter all internal security threats. When Sentry is combined with the passively secure Vault storage platform, the integrated hybrid solution offers broad security protection against all five major threats to the cloud.

Cryptyk doesn't try to prevent breaches from happening. We just ensure that anything stolen is useless, of no real value, and is very trackable. Our technology turns the tables on the hacker world by eliminating their profits.

## CTK – Digital Currency for Security and Storage

The Cryptyk platform is much more than a complete cloud security and storage solution. It's the engine that drives an open source ecosystem with its own digital currency, the Cryptyk Token (CTK). Cryptyk Tokens power a new cyber-security economy which incentivizes participation from a community of enterprise customers, individual consumers, software developers, crypto-currency miners and investors. Customer partners receive free tokens for product trials while open-source developers are paid in tokens to develop APIs / plug-ins for integration with third party software products. Unlike most digital currencies, the high utility of the Cryptyk Token means that long term growth in its tradable price is mainly driven by customer adoption and platform usage, more so than by the short-term effects of investor speculation.

## Cryptyk Tokens - The New Economy for Cloud Security and Storage