

## Case Study

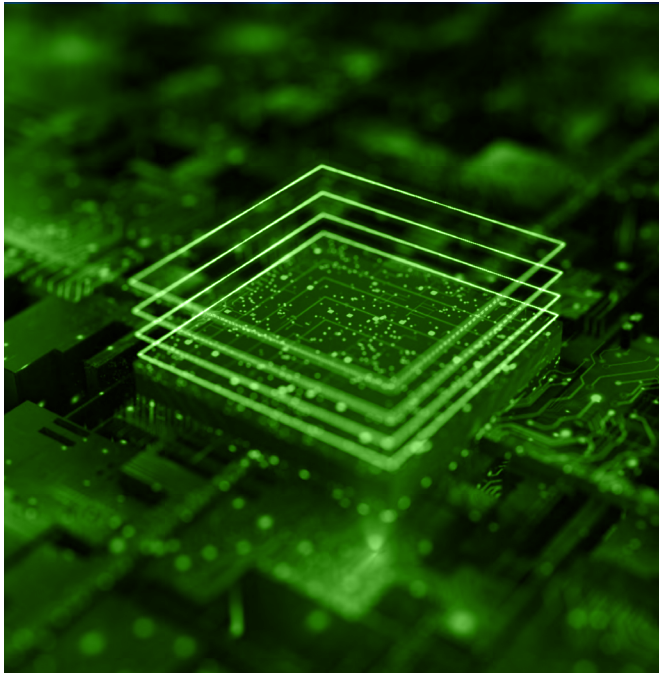
# Staying Competitive with Smart Block Storage

How Exos CORVAULT brings the goods to Filecoin storage providers.

Facing significant business risks due to hardware limitations, Isotechnics adopted the Exos® CORVAULT™ block storage system to gain a competitive edge in delivering data services to Filecoin storage providers.

- **Increased resiliency with higher uptime**
- **Decreased operations costs**
- **30% reduction in customer data storage costs**
- **Improved competitive position**





#### Their Story

## Delivering full node management through trusted architecture.

Reflecting a passion for technology solutions that help make the world a better place, Isotechnics focuses on Filecoin, a blockchain-based decentralized storage network. To support storage providers, the company offers consulting services specializing in the deployment, operation, and automation of Filecoin nodes.

#### Their Goal

## Wanted: a fast, reliable megadata storage solution.

To successfully offer node management solutions to Filecoin storage providers, Isotechnics needed a system that could reliably meet Filecoin requirements with minimal downtime.



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## Their Problem

# Success hinged on meeting proof deadlines.

Filecoin requires proof of data storage every 24 hours. Starting out, the company used traditional storage which took a lot of time to configure. There were also other issues, including server performance. They started failing Filecoin proving deadlines because the CPU was a bottleneck. This was a problem for the business, as their market requires speed and reliability to manage Filecoin nodes.

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## Their Solution

# Improving system reliability.

Isotechnics needed a way to reliably manage Filecoin nodes. Equally important, the company needed to maintain business economics to stay competitive. Most solutions required a high capital investment, which would make business economics less viable. Management needed a simple, resilient architecture that would effectively meet Filecoin node requirements.

Isotechnics turned to CORVAULT to achieve these goals. An intelligent data storage solution, CORVAULT's one-button configuration greatly simplified Isotechnics's system. With 99.999% availability and autonomous drive regeneration, CORVAULT was the right fit to meet Filecoin node requirements, enhancing the company's competitive edge.



Simple scalability is another advantage CORVAULT offers. Some Filecoin storage providers are ramping up to thousands of petabytes. The ease with which additional CORVAULT units can be added to the Isotechnics system allows Isotechnics to offer its services to these providers.



Their Success

## Fewer operating costs. More competitive edge.

CORVAULT'S speed, resilience, and reliability have helped the company outperform competitors. Isotechnics can consistently meet Filecoin's 24-hour proof deadlines and CORVAULT's intelligence and easy deployment have lowered operating costs. In turn, Isotechnics can pass cost savings on to customers, decreasing the cost per terabyte by 30%.



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**“Filecoin needs data storage proof every 24 hours. A slow system increases the chance of missing that deadline, leading to loss of revenue. CORVAULT gave us the performance we needed on an easy-to-use platform.”**

JASON CIHELKA, CTO, ISOTECHNICS

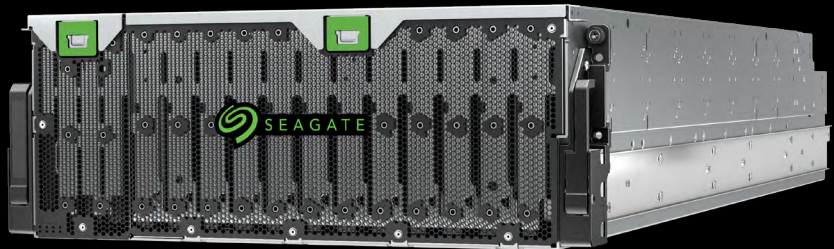




## Products Used

### EXOS CORVAULT

Self-Healing, High-Density  
Data Storage. Designed  
for set-and-forget mass  
storage management.



## EXOS CORVAULT™



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Our storage specialists are here to help you  
find the right solution for your data challenges.

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