Pocket Network Accelerates the Spin-Up of New Nodes

How this Web3 infrastructure benefits from the performance, simplicity, and reliability of Storj DCS.

About Pocket Network

With its mission to coordinate open access to the world's public data, Pocket Network provides a blockchain data platform that enables Web3 apps to relay data to and from any blockchain through a network of thousands of Nodes. To speed up the download and sync of its state history, which has quickly escalated to 300GB and growing, Pocket Network creates a new image of its database daily to enable new Node Operators to download so they can get up and running in minutes to hours instead of days to weeks. And to ensure high performance, low storage costs, and Web3 aligned decentralization of the distribution of those images, Pocket Networks utilizes the next-gen geographically decentralized capabilities of Storj Decentralized Cloud Storage (DCS).

Secure and Innovative Decentralization

As a dedicated Web3 proponent, Pocket Network is committed to eliminating the need for centralized infrastructures and anything that has to do with Web 2.0. This commitment played a major role in its decision to partner with Storj in the hosting of its state history images. Not only does Storj DCS distribute their images across its global decentralized network of more than 13,500 Nodes, Storj DCS provides Pocket Network increased security, privacy, and performance at a lower cost than the organization could get from centralized cloud storage solutions.

"It's important for us to decentralize up and down the stack," says Adam Liposky, Ecosystem Operations Lead at Pocket Network. "Web2 monoliths can have outages in a way that sophisticated decentralized systems do not. Worse yet, they can arbitrarily decide they don't want to host your product or service leaving your project to pick up the pieces. That's a real hot button issue for us. So, it just makes sense to store copies of our blockchain data across multiple decentralized entities with Storj DCS."

Ultra-Fast, Multi-Layered Parallelism Performance

Performance is also an important issue for Pocket Network. One of its highest priorities is to enable new Node Operators to get online as fast as possible. The new multi-layered parallelism capabilities that Storj DCS provides have a big impact on that effort. The way this parallelism works for Pocket Network is that when a user uploads one of its chain state images, Storj DCS encrypts and splits it into separate pieces that are distributed to thousands of Storage Nodes across the global decentralized network. So, when one of Pocket Network's new Node Operators downloads an image, the image file is reconstructed with multiple segments that can be downloaded in parallel to deliver super-fast throughput.

"The performance was very impressive," O'Rourke says. "The parallelism of Storj DCS enables Node Operators to get up to speed much more quickly . The speed and added reliability from Storj helps node runners create a more diverse set of nodes, and contribute to a larger, more secure pool of full-node servicers for blockchain applications."

Inherent Savings and Cost-Efficient Sustainability

Since Pocket Network takes advantage of Storj DCS, it's realizing an 80% to 90% savings on their egress fees compared to what it would be paying with centralized object storage. Additionally, due to the distributed nature of Storj DSC, Pocket Network automatically gets global distribution of its image files without any added cost. As the company grows and a greater number of new Node Operators need to sync with its blockchain, the savings it reaps with Storj DCS will continue to grow.

"Storj DCS brings us cost savings and economies of scale due to the way it's architected," Liposky says. "With the money it saves us, it extends our runway to get to where we want to go on a less expensive, cost-efficient basis compared to other providers."

Seamless Experiences and Responsive Support

The Storj DCS architecture combined with Storj's developer tools and community support team also simplified Pocket Network's move to the decentralized storage network and has made for a great ongoing partnership.

"The onboarding process, dashboarding, and support from Storj has been some of the best I've seen in the Web3 community," Liposky says. "We received immediate responses and the right answers at the right times. Their support has been great."

Best Choice for Object Storage

"Storj DCS plays an important part in our overall stack," Liposky says. "And I believe Storj DCS will play a leading role as the go-to place for distributed object storage. It's better in decentralization, redundancy, and speed. It makes things easier and has great redundancy and reliability. Storj DCS is simply the best object storage solution for the money, with the added benefit that it's decentralized."

Experience the benefits of Storj DCS today.

Decentralization is already here, and it's only going to get bigger, better, and more mainstream as more people discover the benefits of a decentralized model. Head over to www.storj.io and see how the unparalleled security, performance, and economic features of Storj DCS can start benefiting your organization today.

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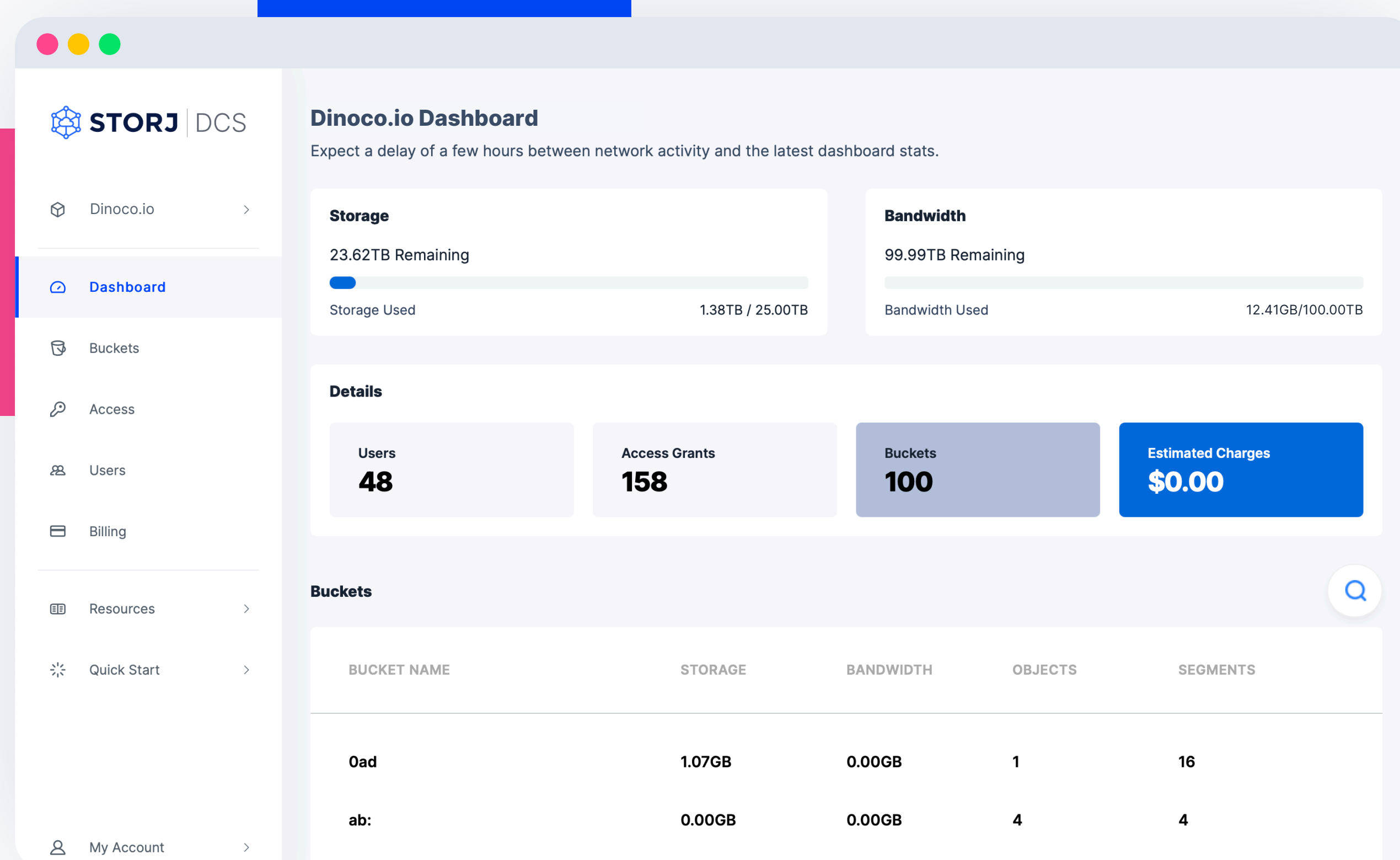
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