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Whitepaper

The current Web2 infrastructure is plagued by three key challenges: centralization, inefficiency, and complexity. Cloud networks are monopolized by a few providers, leading to high costs, single points of failure, and limited user control. AI applications, real-time communications, and decentralized networking demand low-latency, scalable solutions, but existing infrastructure struggles with network congestion and expensive bandwidth. Meanwhile, Web3 adoption remains slow due to technical barriers and the difficulty of deploying decentralized infrastructure.

Datagram solves these issues by providing a Global Hyper Fabric Network—an AI-driven, decentralized, and
An interoperable connectivity infrastructure platform that abstracts technical complexity while delivering cost efficiency, scalability, and security.

Datagram serves three key customer groups:

1. **Existing DePIN Networks:** Integrate with Datagram's infrastructure to optimize bandwidth, compute,
and storage.
2. **New DePIN Projects:** Deploy scalable node networks instantly, leveraging pre-built decentralized
infrastructure.
3. **Web2 & Web3 Businesses:** Access decentralized networking, compute, and storage services via
API/SDK, without managing blockchain complexities.

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With over 200 enterprises and 1M+ users having utilized its network, Datagram simplifies decentralized
infrastructure, making it as seamless to integrate as traditional SaaS while bridging the gap between Web2 and Web3.

Unlike many blockchain networks that operate in isolation, Datagram enhances, rather than competes with, existing infrastructures. It serves as the universal base layer for DePIN projects, enabling seamless cross-network interoperability with Avalanche, Ethereum, Solana, Base, and beyond. Businesses and users can deploy instantly, integrate effortlessly, and monetize infrastructure without disrupting existing revenue models—all while accepting both fiat and crypto payments.

By combining enterprise-grade scalability, end-to-end privacy, and an intuitive Web2 experience, Datagram removes the barriers to Web3 adoption, making decentralized infrastructure as simple as SaaS.

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1. Introduction & Project Overview

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