ocean
DRIVE

Revolutionizing
Storage with
Decentralization.

Explore, Share, and Earn with OceanDrive.

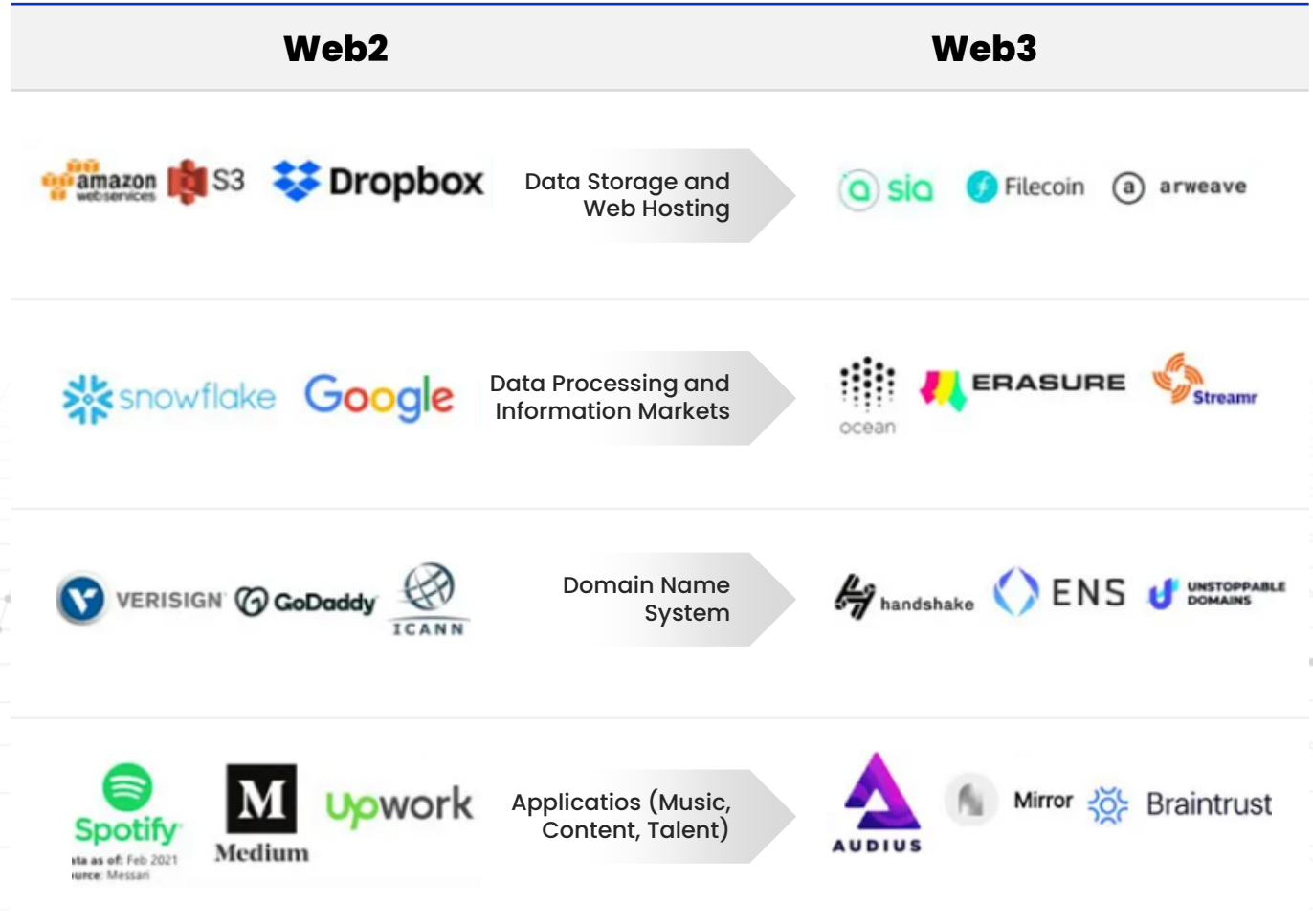2023.06.27

Contents.

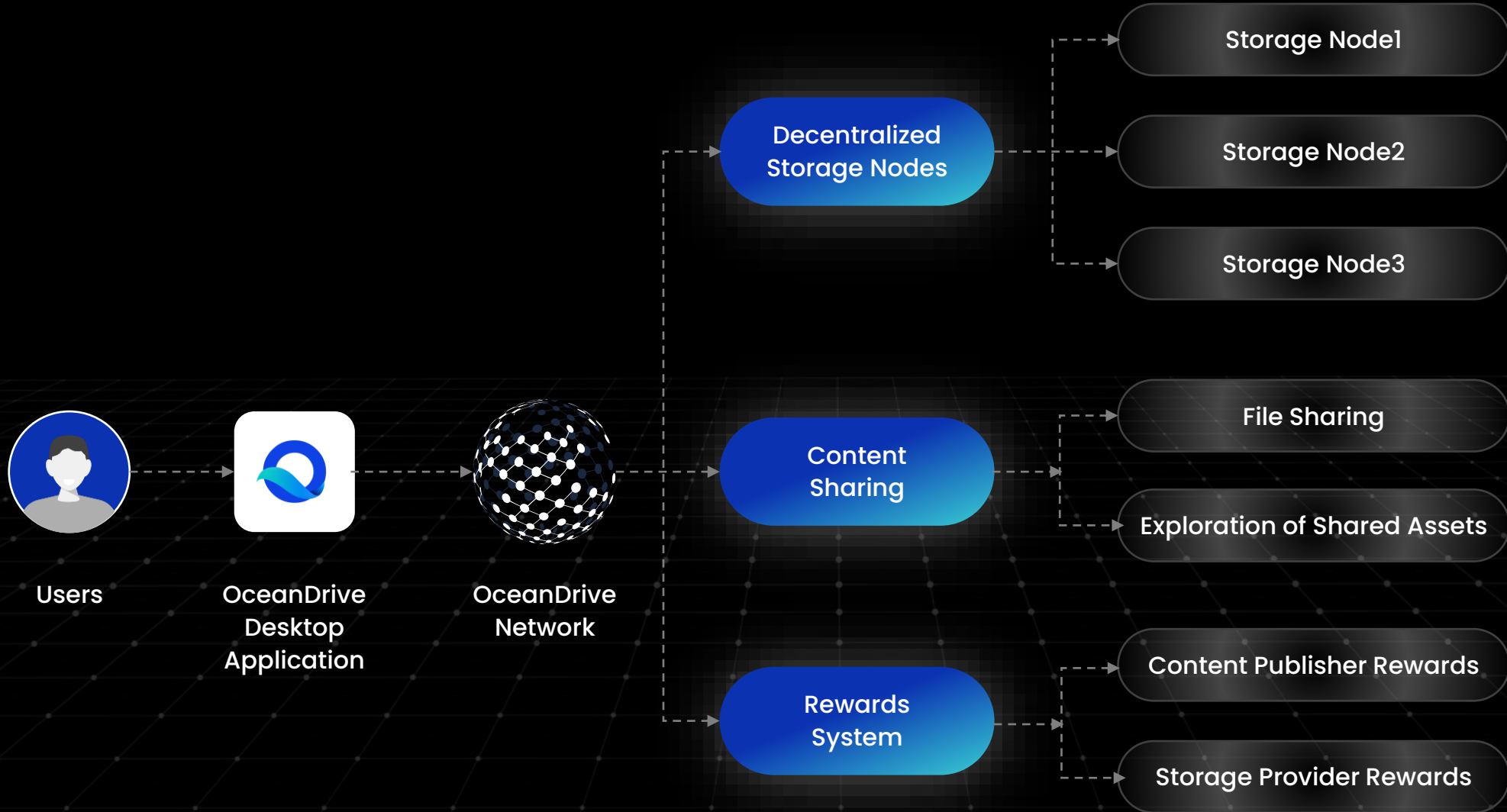**I Project Name**

OceanDrive

Tagline Explore, Share, and Earn with OceanDrive

Overview OceanDrive is a unique desktop platform that connects users worldwide, allowing them to share and explore storage assets conveniently and securely.

Web2	Web3
amazon web services · S3 · Dropbox — Data Storage and Web Hosting	sia · Filecoin · arweave
snowflake · Google — Data Processing and Information Markets	ocean · ERASURE · Streamr
VERISIGN · GoDaddy · ICANN — Domain Name System	handshake · ENS · UNSTOPPABLE DOMAINS
Spotify · Medium · upwork — Applicatios (Music, Content, Talent)	AUDIUS · Mirror · Braintrust

Data as of: Feb 2021
Source: Messari

Users

OceanDrive Desktop Application

OceanDrive Network

Decentralized Storage Nodes
- Storage Node1
- Storage Node2
- Storage Node3

Content Sharing
- File Sharing
- Exploration of Shared Assets

Rewards System
- Content Publisher Rewards
- Storage Provider Rewards

Provides access to files

User1

Uploads files

Decentralized Storage Nodes

Stores and distributes files

OceanDrive Network

Provides access to files

Uploads files

Provides access to files

Uploads files

User2

User3

Secure and decentralized storage

Content sharing

Exploration of shared assets

Personal Storage Sharing
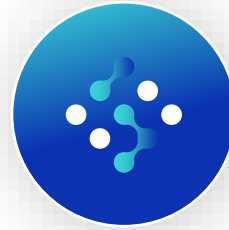
OceanDrive Participants

Users become network participants by connecting their computers to the OceanDrive network.
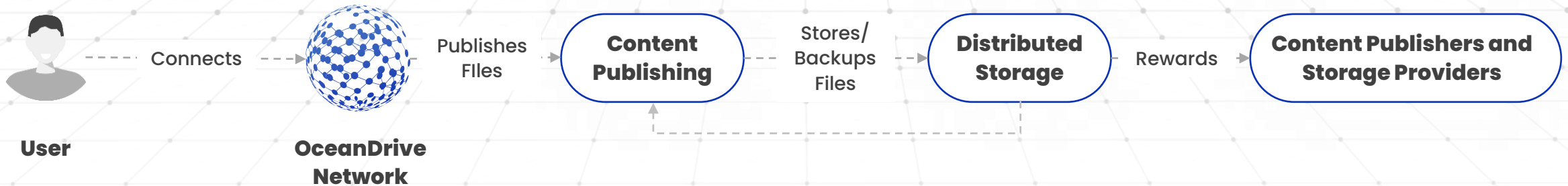
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Content Publishing

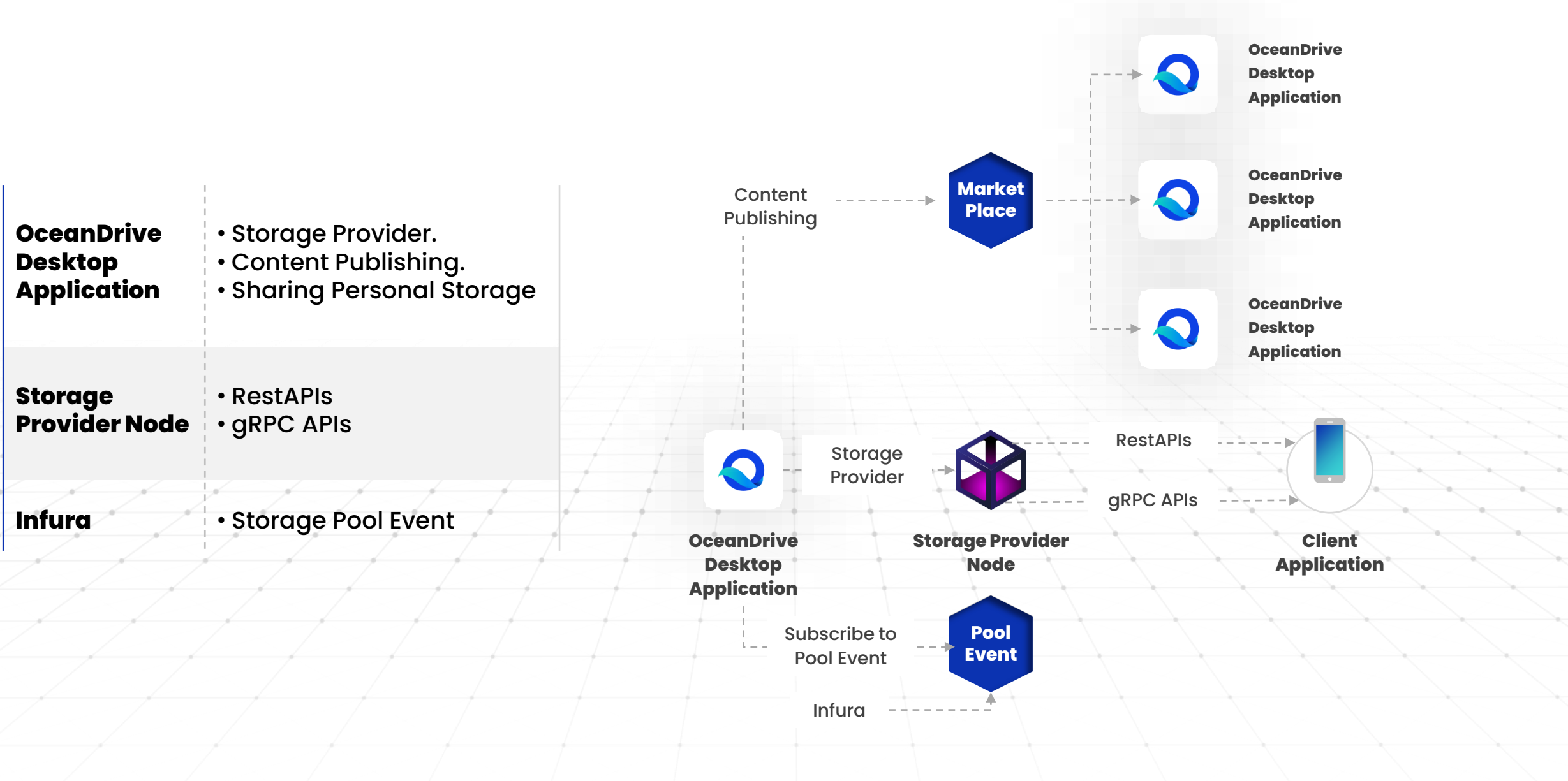Participants choose Which files to publish and store/backup on the network.

\+

Rewards System

Content publishers and storage providers are rewarded by the network participants for their contributions.

User → Connects → **OceanDrive Network** → Publishes FIles → **Content Publishing** → Stores/ Backups Files → **Distributed Storage** → Rewards → **Content Publishers and Storage Providers**

OceanDrive Desktop Application
- Storage Provider.
- Content Publishing.
- Sharing Personal Storage

Storage Provider Node
- RestAPIs
- gRPC APIs

Infura
- Storage Pool Event

Content Publishing

Market Place

OceanDrive Desktop Application

OceanDrive Desktop Application

OceanDrive Desktop Application

OceanDrive Desktop Application

Storage Provider

Storage Provider Node

RestAPIs

gRPC APIs

Client Application

Subscribe to Pool Event

Pool Event
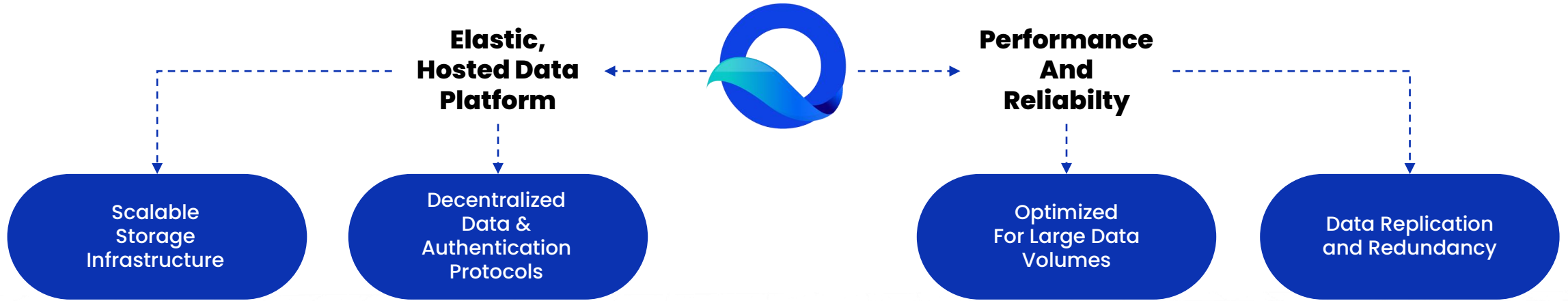
Infura

OceanDrive Desktop Application

A user-friendly application that automatically turns any device into a network member upon download. No additional settings required.
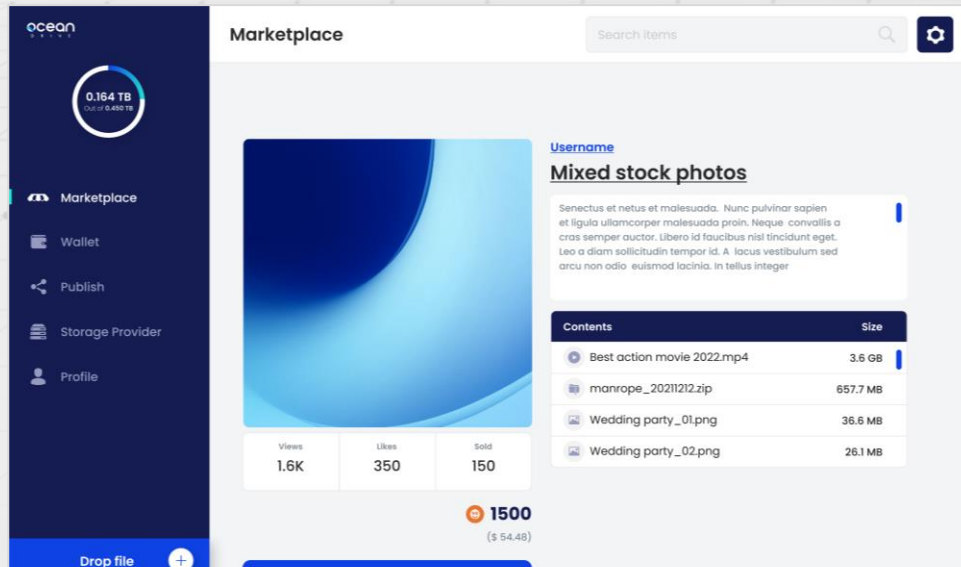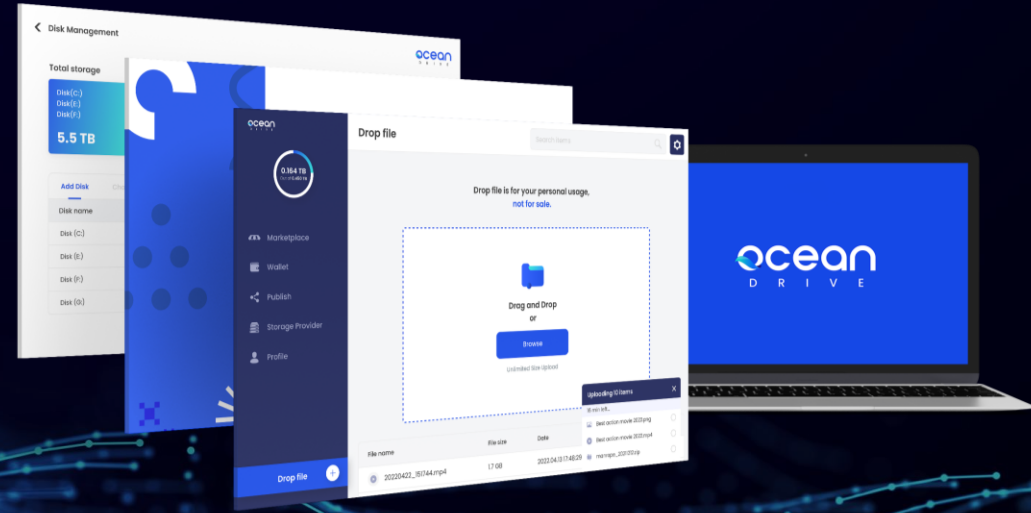
OceanDrive Desktop Storage Provider

Allows users to provide large storage capacities and host them. Controlled through CLI on Linux or VM-based devices.

Elastic, Hosted Data Platform

Performance And Reliabilty

Scalable Storage Infrastructure

Decentralized Data & Authentication Protocols

Optimized For Large Data Volumes

Data Replication and Redundancy

Elastic, Hosted Data Platform

OceanDrive offers a scalable and simple data platform that integrates decentralized data and authentication protocols seamlessly.
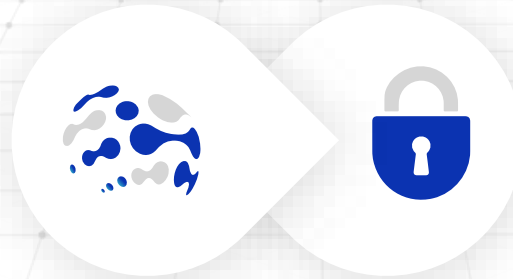
Performance and Reliability

Users can rely on OceanDrive's infrastructure to ensure high performance and reliability.
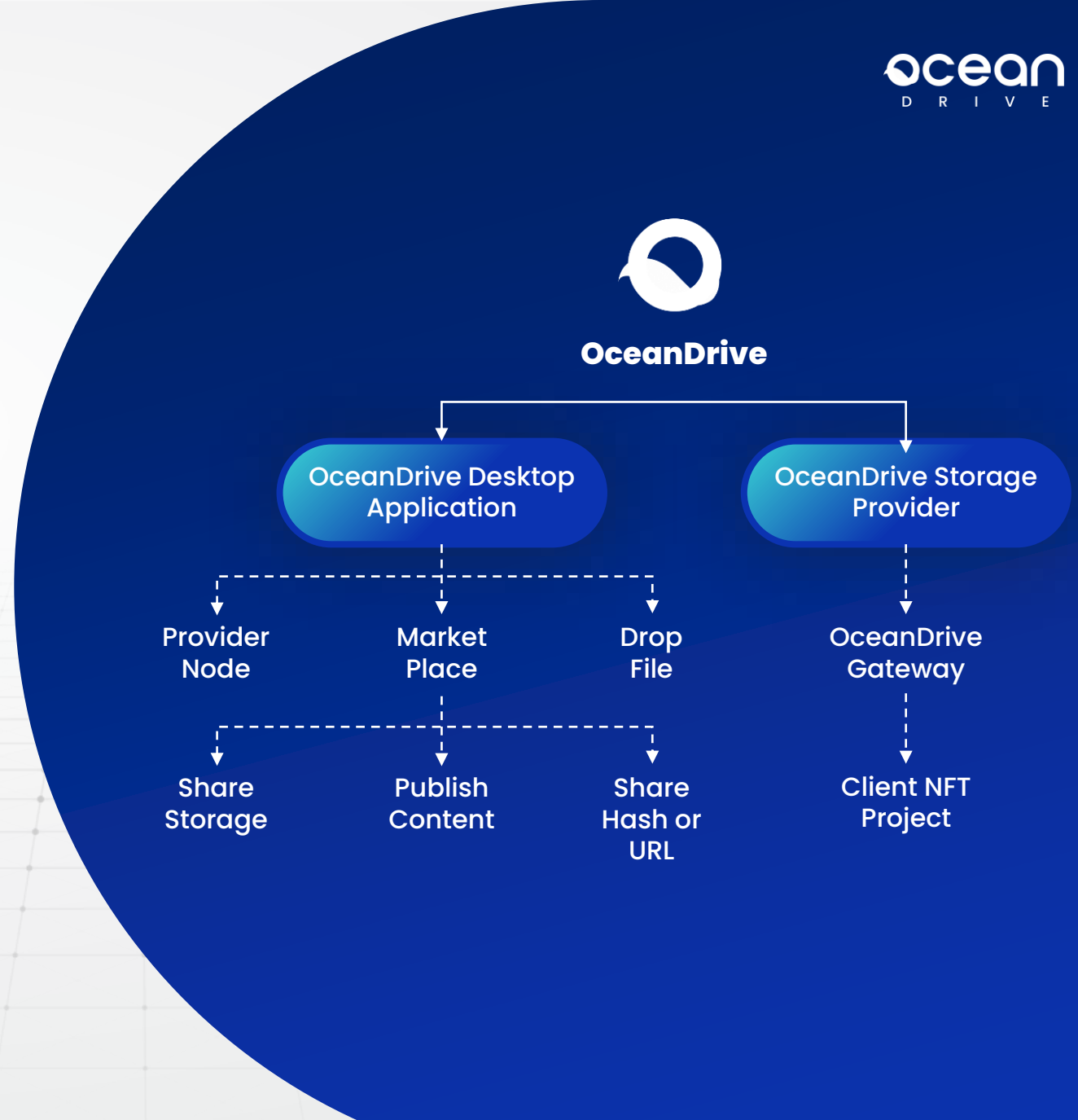
OceanDrive Desktop Application

- No additional settings required.
- Easy-to-use interface for users.
- Free to use, with the ability to share and publish content.

OceanDrive Storage Provider

- Similar to the desktop application but =designed for users with large storage capacities.
- Requires some additional settings.

OceanDrive Gateway

- Designed for integration with storage HTTP API.
- Connected to DEXPO NFT project, storing minted digital artworks across OceanDrive Storage.

OceanDrive

- **OceanDrive Desktop Application**
  - Provider Node
    - Share Storage
  - Market Place
    - Publish Content
  - Drop File
    - Share Hash or URL
- **OceanDrive Storage Provider**
  - OceanDrive Gateway
    - Client NFT Project

Feature	OceanDrive	Cloud Storage	Decentralized Storage
Data Security	Secure and decentralized storage	Relies on centralized servers	Distributed across multiple nodes
Data Privacy	User-controlled access and encryption	Subject to service provider's policies	User-controlled access and encryption
Scalability	Elastic data platform	Limited by server capacity	Easily scalable by adding more nodes
Collaboration	Content sharing and exploration	Limited collaboration features	Promotes collaboration among users
Ownership & Control	Users retain ownership and control	Service provider retains ownership and control	Users retain ownership and control
Reward System	Rewards for content publishers and storage providers	No specific reward system	Incentives for participation and contribution
Infrastructure	Desktop-based platform	Centralized data centers	Distributed network of participant nodes
Reliability	High availability and fault tolerance	Dependent on server uptime	Redundancy and resilience against failures
Subscription Fee	No monthly subscriptions	Requires monthly or annual payments	No fixed subscription fee or dependent on service platform

Decentralized Storage

OceanDrive provides a secure and public decentralized storage solution, eliminating the reliance on a single centralized server.

Global Storage Unification

CONUN aims to unify the storages of all computers worldwide, creating a vast network of storage resources.

Seamless Integration

OceanDrive's elastic data platform integrates decentralized data and authentication protocols seamlessly, ensuring ease of use for users.

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Cost-Efficiency

By utilizing unused storage space on personal devices, OceanDrive reduces the need for expensive centralized storage solutions.

Rewards for Contributions

Content publishers and storage providers are rewarded by the network participants, creating incentives for participation.

Asset Exploration

Users can discover and explore a wide range of shared assets on the OceanDrive network, opening up new opportunities for collaboration and knowledge sharing.
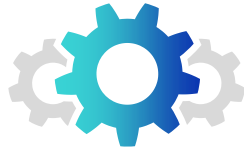
01

02

03

04

Personal Data Backup

File Sharing and Collaboration

Content Distribution

NFT Storage

Users can securely backup their personal data, ensuring its safety and availability.

OceanDrive facilitates seamless file sharing and collaboration among individuals and teams, enhancing productivity and efficiency.
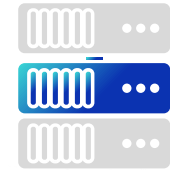
Content creators can distribute their work across the OceanDrive network, reaching a wider audience and potentially earning rewards.

OceanDrive integrates with DEXPO NFT project, providing a secure storage solution for minted digital artworks and collectibles.

OceanDrive Rewards System
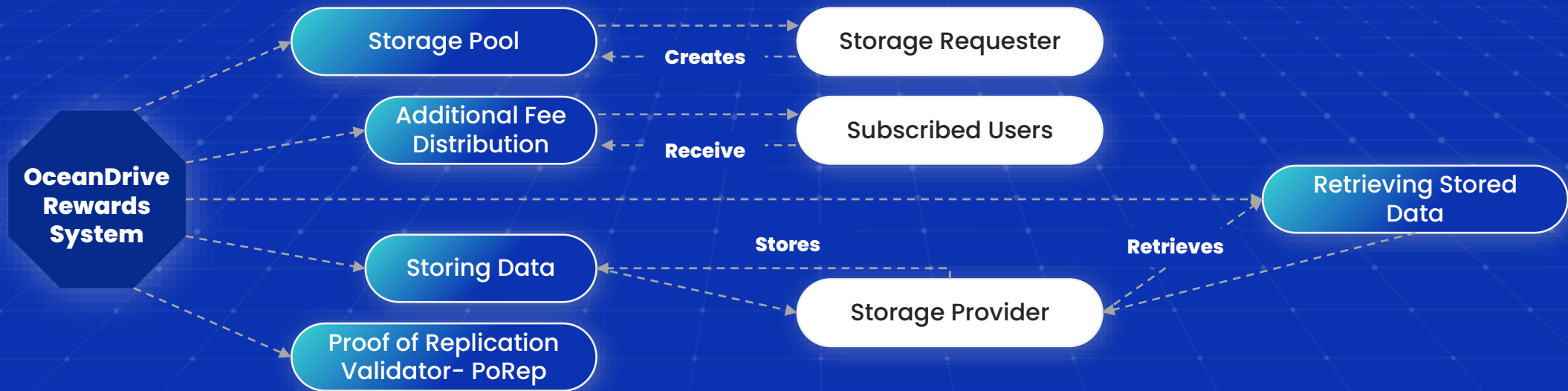
Content Publisher Rewards

Publishers receive rewards based on the popularity and usage of their shared content
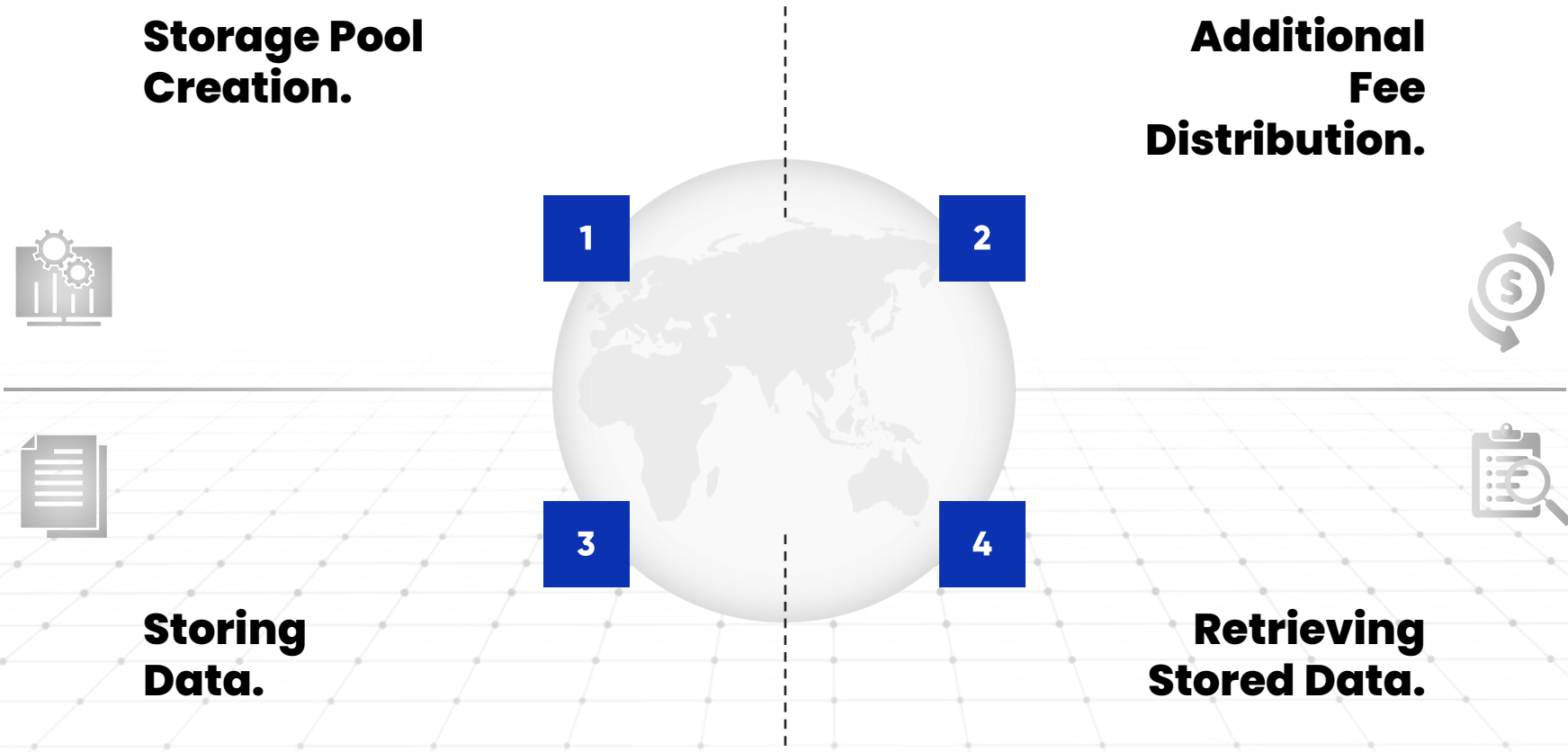
Storage Provider Rewards

Storage providers are rewarded for offering their storage capacity to the network.

Token Economy

OceanDrive utilizes a token economy to distribute rewards and incentivize active participation within the network.

OceanDrive Rewards System

- Storage Pool → Storage Requester
  - **Creates**
- Additional Fee Distribution → Subscribed Users
  - **Receive**
- Storing Data
  - **Stores**
- Proof of Replication Validator- PoRep
- Retrieving Stored Data
  - **Retrieves**
- Storage Provider

Explore, Share, and Earn with OceanDrive.

OceanDrive Rewards System

Storage Pool Creation.

Additional Fee Distribution.

1

2

3

4

Storing Data.

Retrieving Stored Data.

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01 Encryption

OceanDrive implements robust encryption protocols to ensure the Privacy and security of stored data.
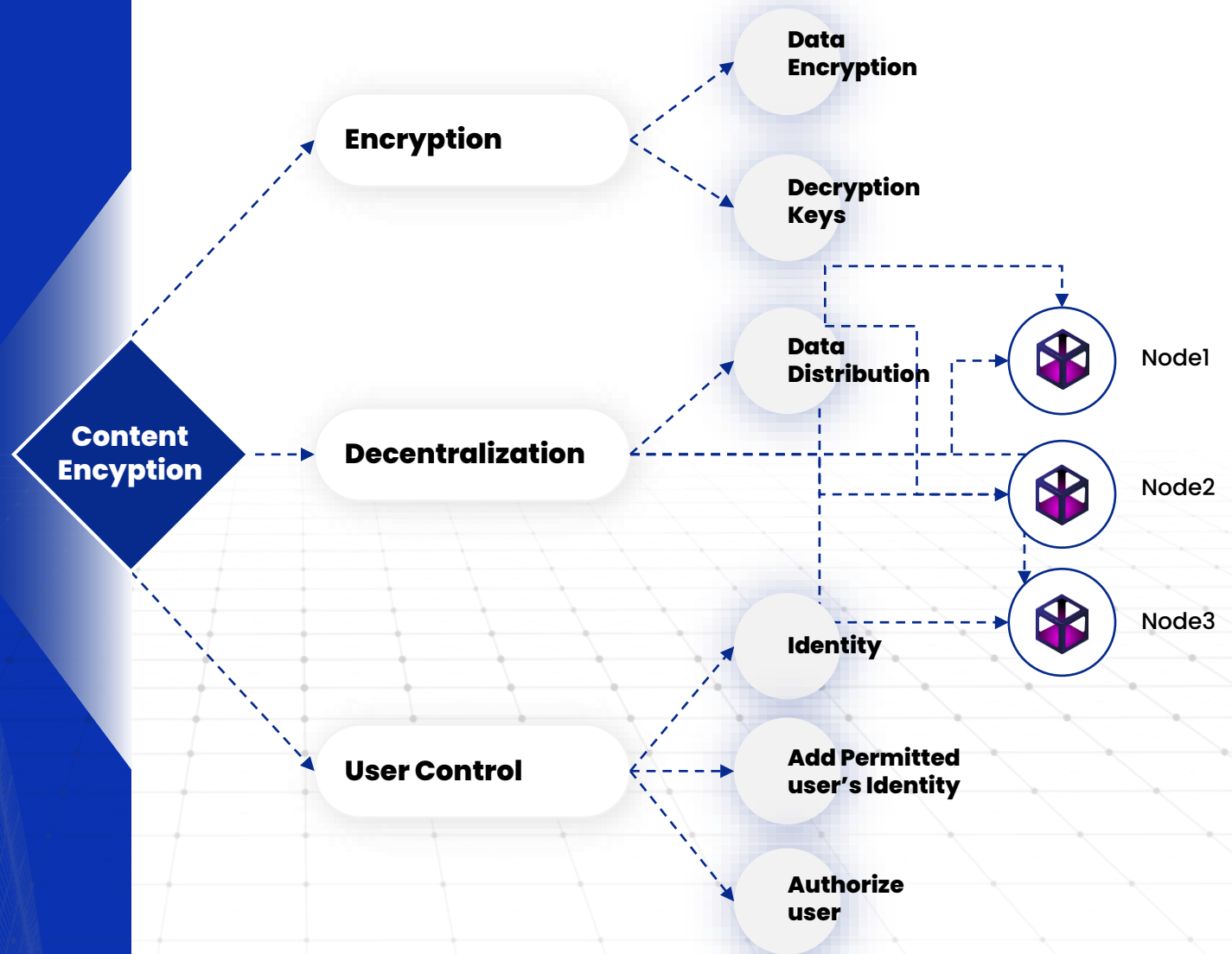
02 Decentralization

By distributing data across multiple nodes, OceanDrive minimizes the risk of data loss or unauthorized access.

03 User Control

Users have full control over their shared files and can choose who has access to them.

Content Encryption

Encryption
- Data Encryption
- Decryption Keys

Decentralization
- Data Distribution
  - Node1
  - Node2
  - Node3

User Control
- Identity
- Add Permitted user's Identity
- Authorize user

• Integration with Metacon Mobile
   Application
• OceanDrive Rewarding Process

Q4 2023

• OceanDrive Infura
• OceanDrive Gateway API

Q3 2023

• OceanDrive Storage Provider
• Security Solution

Q2 2023

Join the OceanDrive Community

Website   www.conun.io

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Twitter   twitter.com/conunkorea

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Q & A