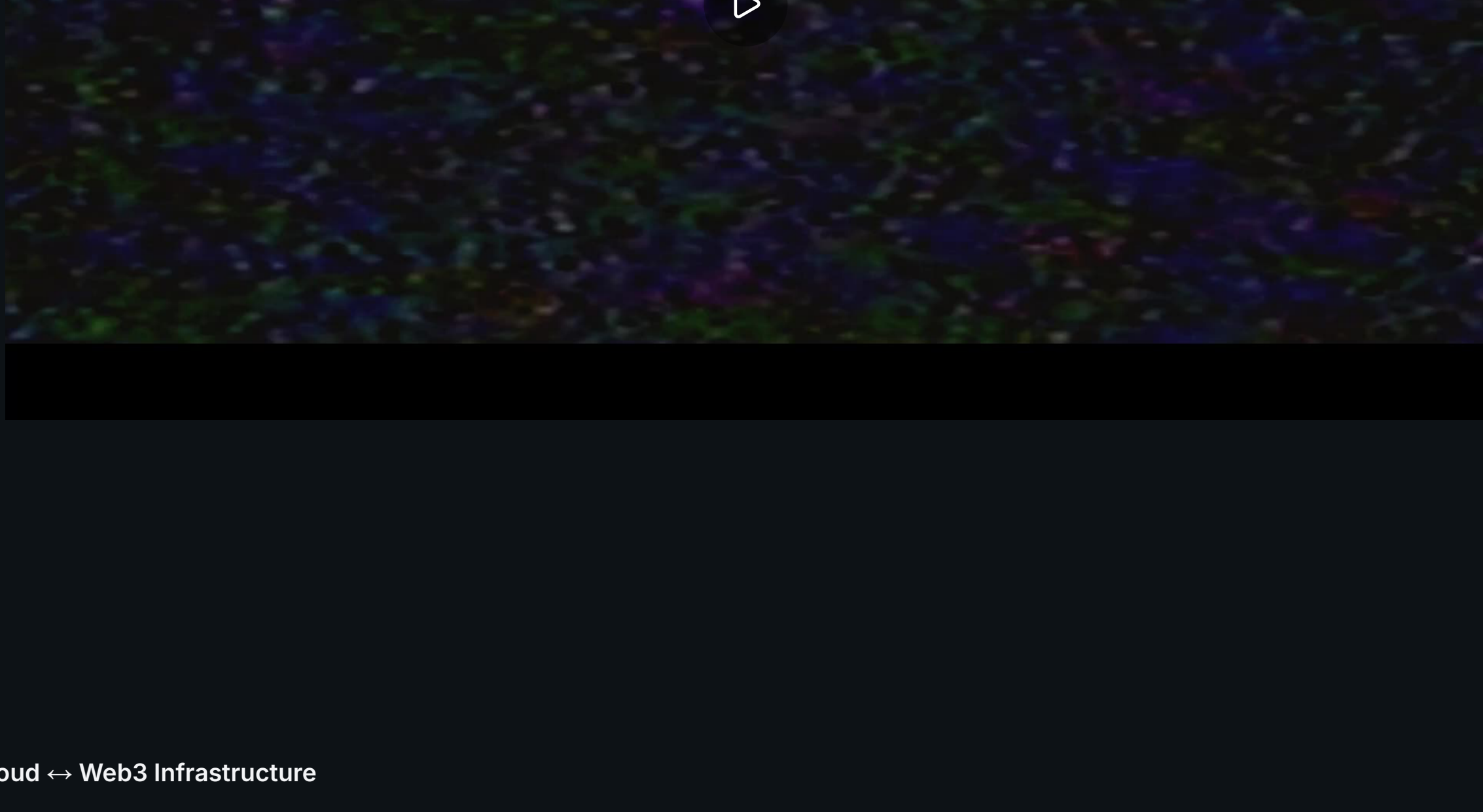


Fullstack Decentralised

Swarm completes the vision of consensual computation, decentralised infrastructure, and private messaging, powering open, serverless, and permissionless dapps.

Get started →

Why Swarm Exists



Serverless Cloud ↔ Web3 Infrastructure

The Backbone of Web3

The next evolutionary step in the cypherpunk roadmap, extending blockchain's capabilities to enable public data commons, permissionless publishing, and zero-leak communication.

Learn more →

Open & Borderless

Swarm is open source code, limited only by the people who use and maintain it - Join a community building the future of the web.

Fault-tolerant

Redundant storage with local replication ensures data availability even in the face of node dropouts or data loss.

No downtime

Swarm is decentralised and distributed, and so it's also always up, making it stable and reliable.

Privacy first

Swarm nodes provide cryptographic support enabling you to use network in an unrestricted way while building blocks like "Single-owner-chunks" enable extraordinary zero-leak privacy.

DDoS resistant

Swarm network is fully decentralised peer-to-peer network while it's resilience against DDoS grows with every additional node in the network.

Credible neutrality

Swarm is built to not discriminate - it's in the very nature of our design, and permeates throughout our mission.

Embrace decentralisation

Build with freedom, scale without limits

Swarm delivers a powerful base-layer stack tailored for forward-thinking users. Privacy-focused and cypherpunk-inspired, it's the decentralised framework for the next generation of creators and advocates.

Swarm stack →

Desktop app →

Get BZZ →

Bee Bee.js Swarm-CLI Bee API

Bee is a peer-to-peer client that connects you with other peers all over the world to become part of the Swarm network, a global distributed P2P storage network that aims to store and distribute all of the world's data. Running a full Bee node gives you access to all the functionalities of Swarm.

Documentation →

```
1 Welcome to Swarm.... Bzzz Bzzzz Bzzzz
2      \      /
3      \  o ^ o  /
4      \ ( ) /
5      ( %%%%%%%%% )
6      ( / / / ( \ \ \ )
7      ( _ _ _ / _ _ / \ _ _ _ \ )
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9      ( _ _ _ / ( %%%%%%%%% ) \ _ _ _ \ )
10     / ( ) \
11     / ( %%%%%%%%% ) \
12     ( %%%%%%%%% )
13     !
```

Sustainable Development Goals

Odyssey Data Upload

The Swarm Foundation aims to empower non-profits to store their data securely and censorship-resistant. Swarm will subsidise data uploads from selected projects to incentivise public goods and advance the Sustainable Development Goals.

Apply →




What is happening

Swarm News

An open-source, censorship-resistant blog hosted on Swarm.

Visit Blog



Partnership announcement: Swarmonomics

Swarm Foundation is excited to announce that Shtuka Research is partnering with the organisation as an external research contributor to map out the economic landscape of the Swarm Network

[Read more →](#)



Swarm Development Update

Monthly Development Update - September 2025

Bee 2.7 is close to having all release items finalized, with a strong mix of performance improvements and new features. The research track is benchmarking different scenarios in the ongoing...

[Read more →](#)



Swarm Community Call

Swarm Community Call, 28 September - Recap

The September Swarm Community Call highlighted major progress toward the upcoming Bee 2.7 release...

[Read more →](#)

Decentralise web

Your decentralised web3 dapp in 4 steps

1. Fork on GitHub

Find a forkable project that should be decentralised or extended.

2. Connect to FDP

Extend it with the Fair data protocol so that users have their data saved in their private data store.

3. Upload to Swarm

Once hosted on Swarm it becomes accessible to all, with essentially zero hosting costs for developers.

4. Grow through FDP

Submit requests to be added in Fairdrive's dapp store and make it available to existing Fairdrive users.

Interoperability and data sovereignty

Fair Data Protocol

Fair data protocol enables a fairer data economy that promotes human rights through privacy, digital sovereignty, and data interoperability.

Fair Data Protocol →

Fair Data Society →



One Swarm, united in PLUR, guided by virtue

Build on Swarm

Swarm grants and online events support many interesting projects that are already building their products on top of Swarm.

Apply for a grant →

See who's building →

Deboot

DeBoot is researching and developing approaches to bootstrap OS images via decentralised networks such as Swarm

More →

Kredeum

AutoSwarm Project by Kredeum: Ensuring Continuous NFT Availability on Swarm - Focused on maintaining the perpetual presence of NFTs, including their metadata and content, through reliable and sustainable storage solutions.

More →

Protonode

Protonode Gateway: Simplifying the Shift to Decentralised Storage - Effortlessly transition from AWS S3 to Swarm's secure, serverless data storage with Protonode's user-friendly gateway and Swarm Python SDK.

More →

Upcoming events

Swarm Community Call, online, October 30 🗓

Community

Discord

GitHub

X / Twitter

Reddit

YouTube

Newsletter

Enter your email address



By clicking on Subscribe you consent to usage of your given e-mail address for receiving communication and news about the Swarm project. Data will be controlled and processed by Swarm Foundation.

