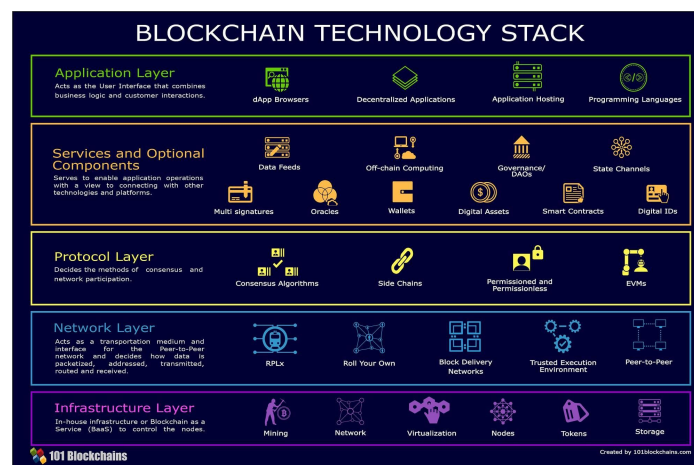


Status partners with Swarm to bring decentralized storage to your phone

The partnership will see the two projects collaborate in the development of a client implementation of Swarm written in Nim after specifying the Swarm protocol. The initiative has the high level goal of making it possible to run Swarm on resource restricted devices including mobile phones.

Distributed technology has the potential to revolutionize how we communicate with our peers. We can replace unnecessary, rent seeking third parties, with programmable code for much more secure, private communication. However, in order to realize this vision, the correct layers need to be implemented to the tech stack. At a very high level, a truly decentralized network requires, the network layer (or the blockchain), messaging, storage, consensus & incentivization layers, and the application layer on top.



This low level protocol implementation is challenging even for the most experienced developers. And to make things even more tricky, Status has the goal of enabling this technology on resource restricted devices such as mobile phones. After all, Status is building a mobile client for secure messaging, web3 browsing, and financial transactions.

Both Status and Swarm are dedicated to the Web3 vision of secure communication and this partnership will see collaboration in making this vision a reality.

Focused R&D

Status has been developing a mobile client designed to deliver peer-to-peer communication since its inception. Up until now, the team has been leveraging the protocols available in the ethereum stack, e.g. whisper for messaging. While the protocols have provided the fundamental means for decentralized communication, they were never truly intended for resource restricted devices.

This has introduced a crucial challenge in developing a decentralized application with a messenger, wallet, and browser. To solve these fundamental issues, Status has been supporting the R&D of a family of protocols and initiatives including [Vac](#) for private messaging and [Nimbus](#) – a lightweight ETH2 client written in Nim.

This partnership will now see Status support the R&D of incentivized decentralized storage. This has the potential to create a powerful family of protocols designed specifically with mobile devices in mind.

Familiar Collaboration

Swarm and Status are very familiar with each other and have collaborated in the past, as both projects have been around since the early days of Ethereum. While Status and Swarm have always had open lines of communication and shared knowledge between team members – this initiative will take things a step further and see Status fund 2 developers in order to build version 1 of Swarm.

Commenting on the partnership, Viktor Tron, Swarm Team Lead said:

“The Status team is committed to a shared vision of the decentralized web and we have been for a long time. I’m personally excited that we are increasing our collaboration again. Mobile support is crucial in increasing adoption of Swarm therefore this collaboration contributes to our goal to provide an infrastructure for a sovereign digital society.”

Goals of the Partnership

The partnership has the high level goals of developing an implementation of Swarm designed to run Swarm on resource restricted devices. This includes:

- **Swarm** to create a reference client implementation of Swarm V1 with the following features: decentralised file storage, pss, adaptive nodes and network incentivisation while delivering the specifications for this to allow for a second client implementation.
 - To be completed until the end of the year 2019
- **Status** aims to create a production grade implementation of Swarm V1 (on top of libp2p) in Nimbus.
 - Status has been supporting the development of the programming language Nim as it provides a lightweight and efficient language that suits itself well to resource restricted devices. It is an efficient, general-purpose systems language with a Python-like syntax that compiles to C.
 - To start once the Swarm V1 spec is complete

“We are excited to be working closely with the Swarm team again. Decentralized storage is such a crucial element of the Web3 vision and collaboration to make this possible on resource restricted devices is much needed. Swarm brings a wealth of knowledge and expertise in this

field while we bring the background in R&D for mobile. Together, we can push the development of this protocol forward.” - added Jarrad Hope, Co-Founder and CEO of Status.

Open Source

Both Status and Swarm have been entirely open source since kicking off development over 2 years ago. This partnership will be no different. Follow along with the development in github and join the conversation in [Status](#) or [Mattermost](#).

About Status

Status strives to build secure communication tools that upholds human rights. Building the tools and infrastructure to enable community money, community law and through privacy, preserve culture. Status is not only building a messenger, crypto wallet, and Web3 browser; but also leads R&D on secure communication protocols, lightweight Eth2.0 client Nimbus, developer tools and frameworks, and even hardware designed for security.

[Github](#)

[Status Public Chat Channel](#)

[Website](#)

About Swarm

Swarm provides censorship resistant storage and communication infrastructure for a sovereign digital society. Swarm achieves this goal through a permissionless and incentivised storage and communication network to host dApps.

Get in touch with the Swarm team on [Mattermost](#).

Discussions about Swarm on /r/ethswarm and /r/ethereum subreddits.

Please feel free to reach out via info@ethswarm.org
swarm.ethereum.org

