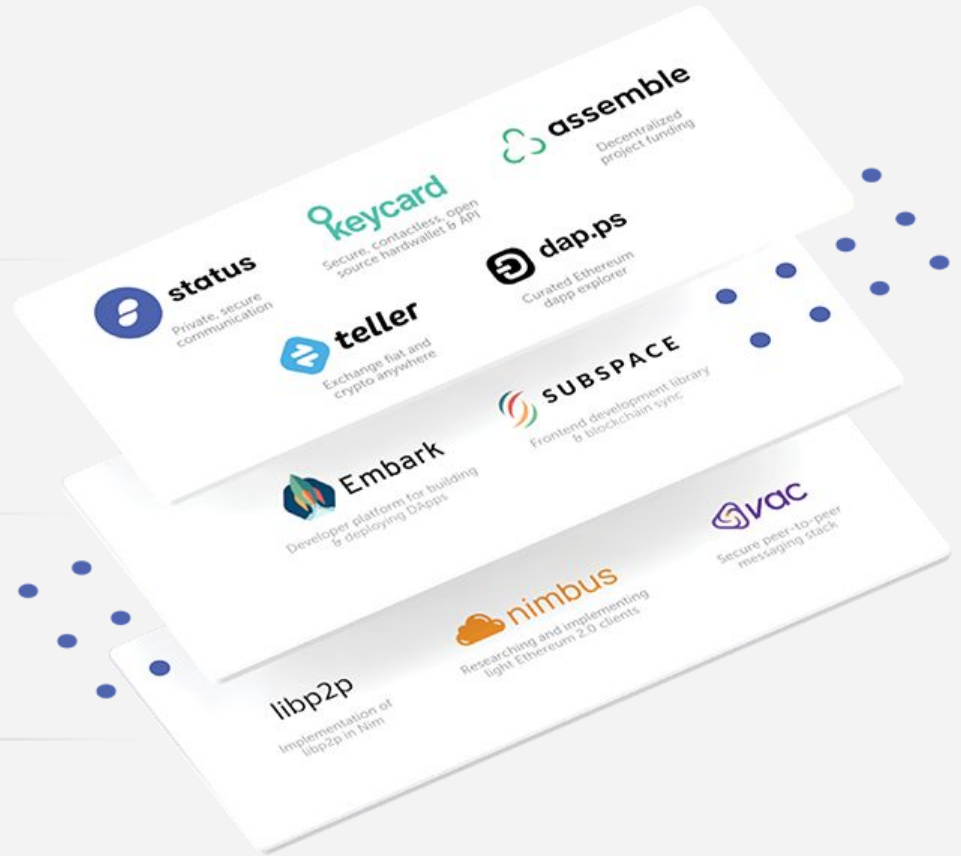


# Town Hall #65

August 31st, 2020



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# People Ops



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# People Ops

## New core contributors



**Ruslan Mahhov**  
Finance Director  
Finance



**Mark Spanbroek**  
Senior Engineer  
Dagger



# People Ops

## Hiring updates

### Finance

- Welcome - Johannes Walker, Ruslan Mahhov

### Research

- Protocol Engineer (Vac) - 2 open seats
- Distributed Networking (Dagger) -

### Legal

- Legal Counsel

### People Ops

- Head of People Ops: Close to a decision

### Marketing

- Social media + copywriter: Close to a decision
- Welcome - Simona Pop - Head of Community

### Core

- Clojure Developer (contract) - Open
- Senior React Developer - Dap.ps team



# Core



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# Core

## Last week(s)

- Preparing for referral program release

## Planned releases

V1.6 Referral program (advertisers and influencers)

V1.7 Referral program (friend invites)

V1.8 [Bug fixes](#) and improvements, new features when ready

## What's next?

- In Development: Notifications on iOS, group chat invite links, mentions
- In Focus:
  - Roadmap planning top 5 features
    - [Status chat inside dapps](#) (e.g. Disqus in Etherscan, messages about multisig tx, carbon voting), shifting to [Chat API](#)
    - [Organization channels](#), shifting to moderated (read-only) public channels
    - [Add local contact names](#)
    - [In-app notifications](#)
    - [Add profile photo](#), shifting to display name and profile photo



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# Security and Infrastructure



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# Security

## General

- New Article: [The Life of a Message](#) from Rajeev. Read to learn how a message travels through the Status technology stack, and how each layer protects your security and privacy!

## Nimbus Audit

- Phase 2 wrapping up and issues being dealt with. Upcoming article on details regarding phase one results, how phase 2 has gone, and what we expect from phase 3 of the ETH2 beacon chain codebase.

## DevSecOps

- Setting up [TheHive/Cortex/MISP](#) instances to handle all incident response across the organization.

Back up your seed phrase and remember your password! Or [get a keycard](#).



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# Infrastructure

## Fleet

- Deployed Referral service production environment
  - [referral-service#8](#), [infra-starter-pack#d324700a](#)
- Disabled Whisper and bridge on non-prod fleets, Waku only
  - [infra-eth-cluster#1122ecef](#)
- Made Waku the default protocol for status-go [#2020](#) & [#2024](#)
- Deployed Push Notifications on test fleet
  - [infra-eth-cluster#1ad6e4a8](#)
- Resolved an extremely weird firewall bug in Status fleets [#34](#)

## Nimbus

- Added Floating IPs to AWS host to prevent IP changes
  - [infra-tf-amazon-web-services#3631f0fa](#)

## App

- Almost finished setup of a Windows CI host for desktop builds
  - [infra-ci#23](#)
- Upgrade to nixpkgs in status-react and multiple build tool [#11119](#)

## Upgrades

- Prometheus 2.19.2 to 2.20.1
  - [infra-hq#48694ba9](#)

## Bridges

- Switched to Waku only



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# Keycard



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# Recap

- The **use cases** that wake us up at night 🧐
- **Work done** 🔧
- **Status Pay**
  - What is it?
  - Where we are ? and open questions
  - Next steps 🚀

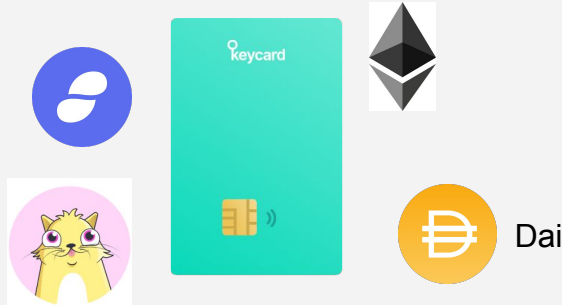


# Use cases

- Allow fast, cheap, and secure payments in the real world



- Have keycard come preloaded with assets



# Work done: Payment network logic

*But hey, why is it different than paying with your wallet to a QR code?*

Untrusted PoSales -> no PIN entry -> funds not stored on cards -> smart contract wallets

⇒ We need an architecture with **smart contract wallets associated to cards**

Vendors needs to use point of sales applications and any card should be able to sign a tx

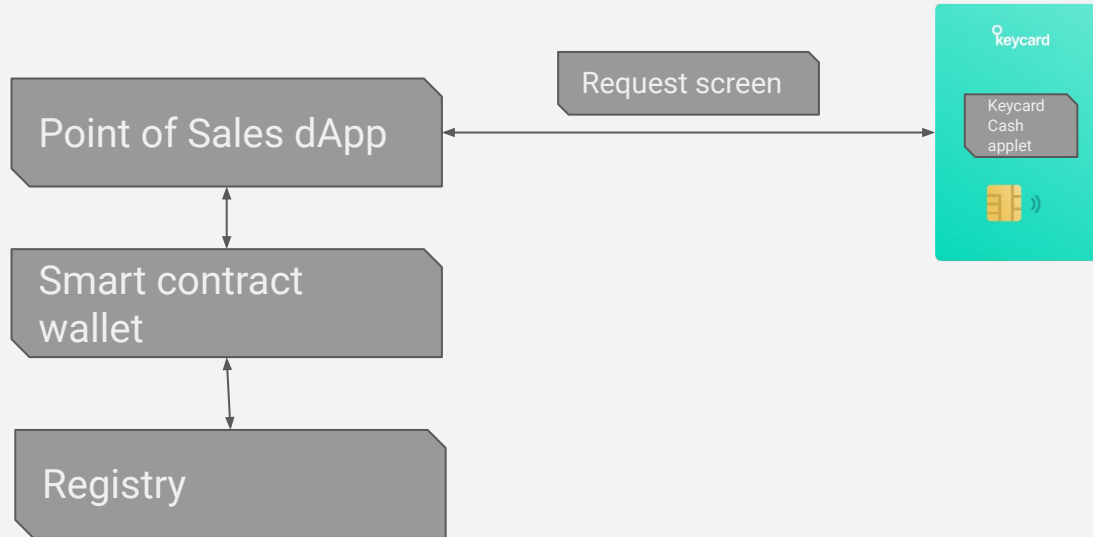
⇒ We built a specific screen (request screen) that can be called by a dApp with a specific web3.js call



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# Work done: Payment network logic

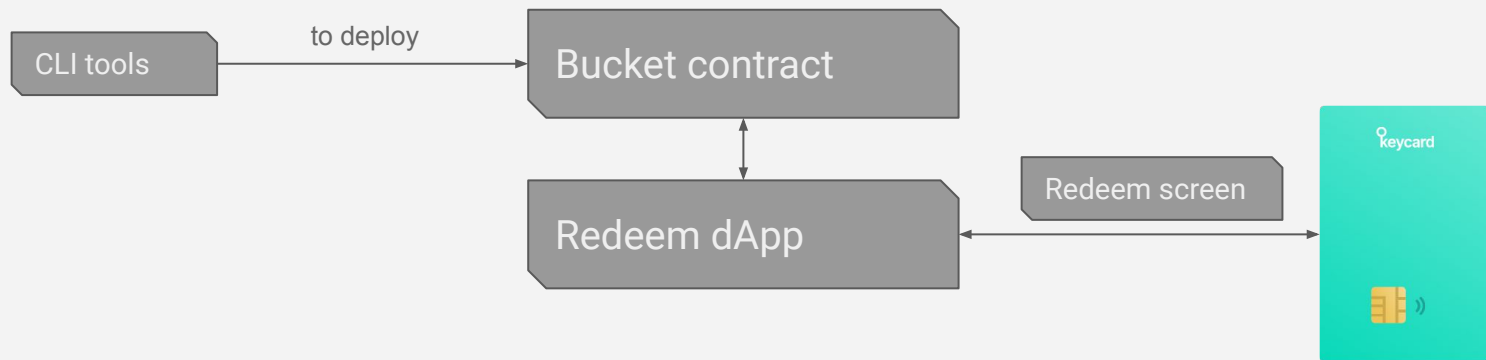
Github: <https://github.com/status-im/payment-network-apps>



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# Work done: Preloaded cards

Github: <https://github.com/status-im/keycard-redeem>



# Status Pay

What are we aiming for?

- Fast and cheap payments in the real world
- With keycard or without keycard
- Can be used for dApps too

What do we miss?

- Higher Tps
- Cheap gas costs
- Fast economic finality



Status Pay (Layer 2)



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# Status Pay feature list

EVM compatible

High throughput (200-2000 tps)

Cheap gas costs (<0.05\$ per tx)

Fast economic finality (<3 seconds)

SNT as a utility

Can transact any ERC-20 on L2

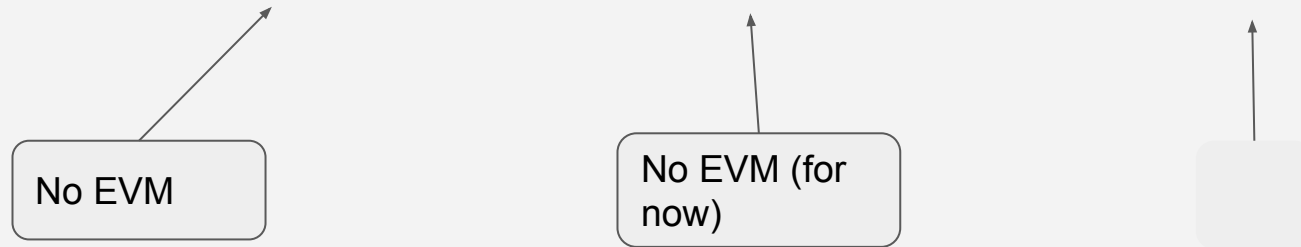
~~Anonymous~~ not for now



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# Status Pay

State channels **vs** Zk-rollups **vs** Optimistic Rollups (ORU)



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# Just any ORU?

EVM compatible

High throughput (200-2000 tps)

Cheap gas costs (<0.05\$ per tx)

Fast economic finality (<3 seconds)

SNT as a utility

Can transact any ERC-20

~~Anonymous~~ not for now

*That's what really specific about our ORU*



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# Our plan

## *System design with rationale w/LeapDAO's help*

[https://docs.google.com/document/d/1EmQMIV\\_kseVz2nD5LJwfzgiaAIWUzWuq3BWYqtc3yhA/edit](https://docs.google.com/document/d/1EmQMIV_kseVz2nD5LJwfzgiaAIWUzWuq3BWYqtc3yhA/edit)

## *Main open questions*

- Do we deploy our own rollup or use a joint one?
- How exactly do we create economic finality <3 seconds
- When new Optimism OVM release?
- Decentralization details: which consensus, operators incentives economics



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# MVP0: high tps & cheap transactions for Status dApps

- Optimism code, run our own Status pay node on Ropsten
- Centralized, Trusted
  - One honest observer on L1 (watchtower)
  - The one operator is not staking anything, no challenges can be submitted
- Tasks
  - Deploy one node only (centralized)
  - Build and deploy bridge contract between L1<->L2
  - Deploy one watchtower
- Planning:
  - Weeks (uncertainty: next OVM optimism delivery)



# MVP1: enabling Keycard and trustlessness

- Centralized, ~~Trusted~~

- Tasks

- Add operator guarantees

- Operators stake SNT on L1

- Add a challenge contract so that anyone can challenge the work of operators

- Deploy our Payment network contracts and adapt dApps to L2

- Planning:

- Months

*Operators work can be challenged from L1*



# Next

- Status UI to use the L2 (i.e. Bridge)
- Decentralization of L2
  - Consensus
  - Gas economics
  - Staking with any token (not only SNT)
- Join a shared rollup ?



# Nimbus



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# Nimbus

- Ongoing stability improvements - the expected attestation rate is now above 95% on a modern desktop computer. The most significant outstanding issues are:
  - High sensitivity towards CPU power
  - Losing peers due to networking stability issues
  - Resource leaks still requiring frequent restarts
  - The sync speed and the storage requirements have not been optimized enough.  
Use the `make medalla-fast-sync` target to skip the long initial sync.
- Some basic stats from our audit so far:
  - 31 issues discovered
  - 2 with high severity, 8 with medium severity, 8 with low severity (the rest are unclassified)
  - 21 in NBC, 9 in LibP2P and 1 in Nimcrypto (all issue titles are prefixed with “[SEC]”)



# Marketing



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# Ongoing

<https://notes.status.im/Kw58-5BTQKWv0L6Y7gWo8Q>

## **Brand Awareness Paid Campaign -**

- Impressions: 1,406,914
- Clicks: 9,541
- Cost: \$635
- CTR: 0.68%
- CPM: \$0.45
- CPC: \$0.07

**Partner Comms and Outreach:** KyberNetwork AMA, many more over the course of the next few months

**Brazil and Argentina Influencers:** O Bruno Germano, Criptomaniacos, Block Latina

**Educational Courses:** Fernando Amaral, CourseIT

# Upcoming

**1.6 Launch** - Global Launch with ethereum community partners + Global Influencers

**Events** - LiveChain, Vancouver Bienalle, BlockSec Conference, Hackers Congress Paralelni Polis (HCPP)

# Community



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# Ongoing

**Ambassador & power user research** - Understanding and mapping core community motivation, frustrations, Status relevant behaviour etc. This will enable us to create a much more valuable and meaningful space and work towards a vibrant and active community.

**Exploring novel use cases for core Status offerings** - working with Ethereum community members to identify and test out new and potentially powerful use cases for Status (one current example is a competition for Pride stickers with [Nifty Pride Foundation](#))

**Focus on organic growth** - growing the community through ecosystem partnerships and tapping into existing communities will help with a value driven acquisition strategy.

# Upcoming

**Education:** Collaborations with Aave on a DeFi course, with Blockchain Academy Brazil on a Blockchain course aimed at youth in favelas, MyCrypto on security course

**Partnerships in the works:** MakerDAO, Aave and many more

**Partner AMA's** - Lined up: Tornado Cash, Aave, Aragon, MyCrypto + Vitalik



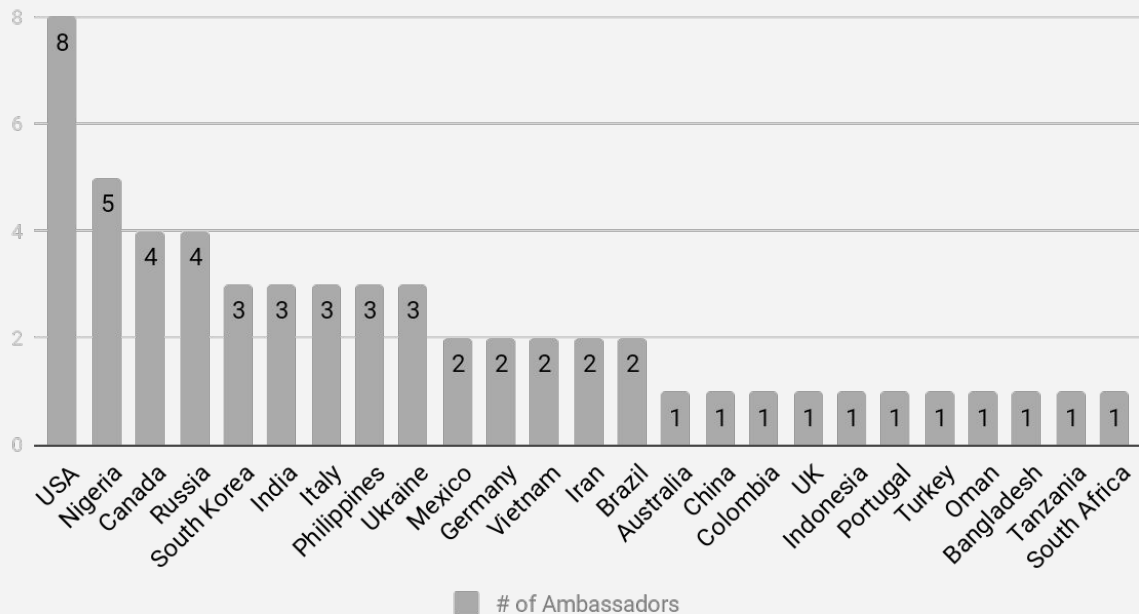
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# Status Ambassadors

## Ambassadors count

- 56 ambassadors from 25 countries
- Active contributions from the Russian and Nigerian community
- Ambassadors who are not active for more than 60 days can be pruned

The number of ambassadors by country



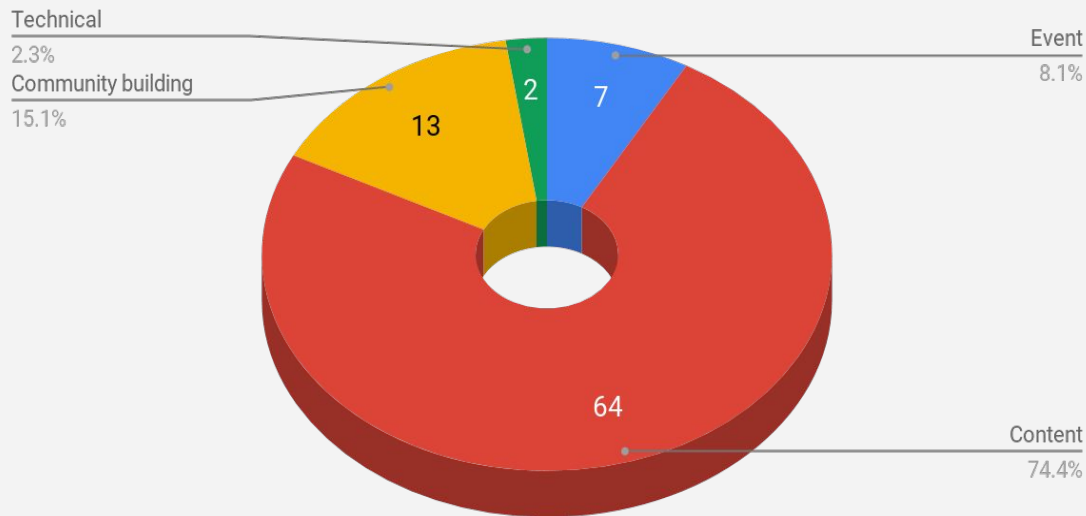
# Completed Tasks by Working Groups (July 1 ~ Aug 30)

- 86 tasks in total  
(82 in Q2 2020)

- Events: 7
- Content: 64
- Community Building: 13
- Technical: 2

[More details on Wekan](#)

Completed tasks by working groups

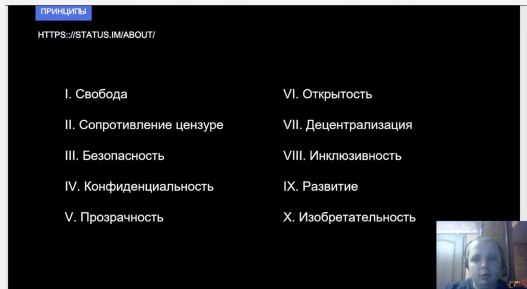


# Big shout-out to

35 ambassadors (~ August 30)

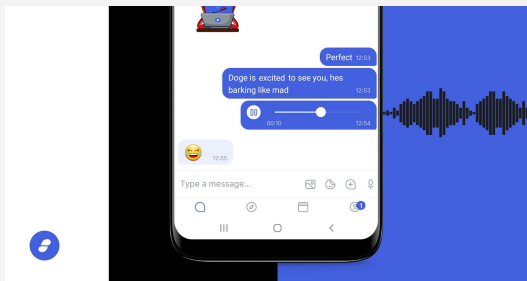
Jitendra	Nasib
Lilsiri	Nicolás
Floyd	Enrico
Ibrahim	Reza
Erol	Yaroslav
Chris	Serguei
SDH	Jeremiah joseph
Eve	Lisiri
Daoking	Vladimir
Anh	CoinWallet5
Angelic	WDCho
imilaad	Henry
Marco	Musa
matheus	HenryRoo
Kevin	Ewuoso
Asif	Tochukwu
tbenr	Pearlume
	Gontse Kekana

## Webinars



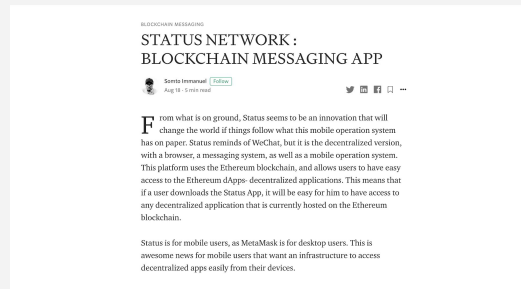
[Russian-speaking community](#) - Yaroslav

## Technical contributions



[Audio messages](#) - tbenr

## Content



[Blog post](#) - Tochukwu

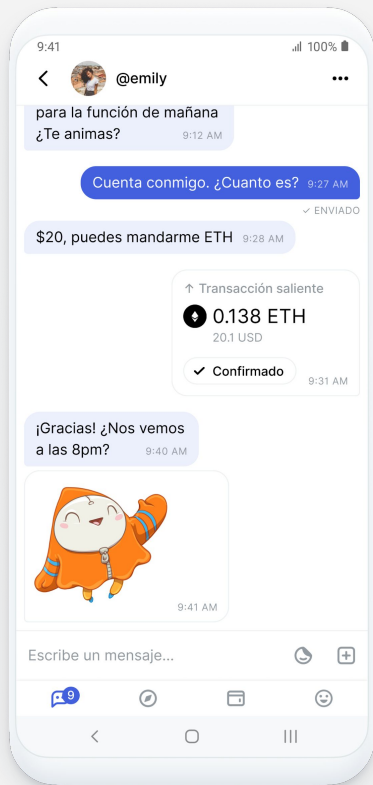
## Translations



[Italian website](#) - Marco



# Status Translations (~ Aug 30 2020)



Supported Languages	
Languages	Progress
Chinese (Simplified)	99%
Chinese (Traditional)	100%
Korean	100%
Spanish	100%
French	98%
Italian	100%
Indonesian	91%
Filipino	100%
Arabic	100%

Supported Languages	
Languages	Progress
Russian	98%
Brazilian Portuguese	100%
German	99%
Turkish	94%

Supports **13** languages

Status-react repo: [translation json files](#)

Source: <https://translate.status.im/>

# Q&A

Ask questions in Status at [#status-townhall-questions](#)



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## Q1.

How well does Status work in adversarial environments? Saw someone mention difficulties in Belarus. I recall Status not working in China last year. I assume a state agency could sniff out Status users and put them in concentration camps if they really want to. Mysterium is opening up their decentralized VPN network to application developers. <https://mysterium.network/developers/#how>

Maybe something to look at incorporating?

@Cielo



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## Q2.

This is based on my opinion: how about if we will allow third parties or resellers to sell our keycard to their countries?

@ken berey



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### Q3.

I saw that Status (Waku?) may be carrying whisper's torch going forward.

[https://twitter.com/peter\\_szilagyi/status/1285870753875976193?s=21](https://twitter.com/peter_szilagyi/status/1285870753875976193?s=21)

Has there been any discussion about directly contributing to go-ethereum? Being the built-in default messaging protocol accessible by Ethereum developers would be a big win.

@Cielo



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**Q4.**

When can we expect Keycard integration on iOS?

@flex



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# Thanks!

Next Town Hall: 14th September



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