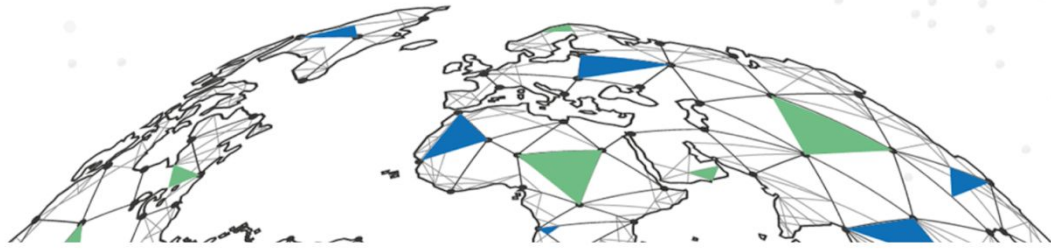# AN INTERNET THAT EMPOWERS EQUALITY, AUTONOMY, AND SUSTAINABILITY

An open ecosystem. Game-changing technology. Distributed in 21 countries and expanding.

Important threefold update doc: July 2020

Disclaimer

This document is aimed at providing an overview of the current status of certain elements of the ThreeFold project. This document is an open-source contribution. It is provided for information purposes only and its contents are not intended to be legally binding on any party. Because we must respond to changing market conditions and evolutions, the present document (and related documents) should not be interpreted as legally binding commitments, but rather as flexible documents subject to change occasionally. We do not warrant the accuracy, completeness or usefulness of any information provided herein. Any reliance you place on such information is strictly at your own risk; more specifically it should not be relied upon for the purpose of making investment or other decisions.

Decentralization

ThreeFold is neither a company nor a centralized group of people.
ThreeFold is a movement of many people who want to build this new internet.

Kristof and Adnan, operating from ThreeFold FZC in Dubai, have been the 2 main spokespersons for this movement, but anyone who likes the purpose of the ThreeFold movement can do the same.

Some of the companies who make the "new internet" possible

- ThreeFold Foundation VZW = Belgium, new since May 2020
- ThreeFold Trust (Mauritius): was intended to be our foundation, TF will not use
- ThreeFold FZC: farmer in middle east & operating company for some promotional activities for ThreeFold Grid & ThreeFold Token
- BetterToken: farmer in Europe
- TF-Tech: Tech software company, technology = open source
- Incubaid: our incubator who created lots of projects before
- Our partner farmers (-: of course

Everything described in this document is the result of volunteer work by many people and/or companies. There are NO formal agreements between farmers, TFTech, TFFoundation & TFTech, … Everything is based on the goodwill of lots of people to make things happen.

Please read more in http://decentralization2.threefold.io TF is entering phase 2 of our decentralization effort.

History & achievements

ThreeFold launched the public blockchain only 2 years ago.
Lots has happened since then:

- ThreeFold is today the biggest peer2peer network of cloud capacity in the world
  (please note this is still small compared to the big cloud vendors).
- The ThreeFold Grid = cloud is live and usable for IT experts (developers and partners).
- Generation 2 software up & running, migration almost finished for our farmers.
- 20+ partners committed to deploy their workloads on the ThreeFold Grid
  which will realize organic growth.
- Migration completed to a new blockchain providing more features & reach than before (every TFT(A) has now more possibilities than before), TFTA's are tradable today on Stellar exchange, and will shortly also be tradable on 2 public exchanges through a ThreeFold Trading bot if TF gains approval from our community.
- Good exposure to influencers & media (Forbes, Ivan on Tech, Hackernoon …) – more info on this below
- Collaboration with 2 onboarding tokens (Digibyte & Dash), plan to go live with these at the end of summer 2020.
- There is an amazing network of partners (e.g. see alliance for a conscious internet).
- There is a network of matchmakers, these are independent business development people who want to help the ThreeFold movement to find partners or funding, there are more than 15 people onboarded today. Thank you, matchmakers, for all the work you have already done and are continuing to do for the ThreeFold movement.

- There are more than 100 Ambassadors who care about our project and provide their guidance and support in a variety of different ways.

The ThreeFold Foundation Goal

- Become the world largest IT capacity backbone (grid) for a new internet.
- On this new internet, provide for technology which allows everyone to become free again (no longer be a product). Do this through convincing partners to build open source software.
- This IT capacity backbone needs to be owned by many thousands (millions) of parties and be 100% peer2peer. With ZERO Centralization !!!!!
- Supporting emerging markets. Being a digital citizen is the equivalent of being able to read & write 30 years ago. More than 3 Billion people today have no real digital life. Our aim is to enable >1 Billion people with access to free education, internet & banking services < 1 USD per month.
- Provide a reliable well designed digital complementary currency which represents capacity in this new internet. With regard to the TF Token our emphasis will evolve as follows :
    - "Hoarding" focus first (use staking to make customers co-owners of the grid)
    - "Velocity" focus once the grid has reached critical mass (+10k locations)

ThreeFold Growth Strategy

Growing the grid is the main focus right now:

- Base case: 1.000 locations < 12 months as decentralized as possible
- Ambitious aim: 10.000 locations < 12-18 months

The token will do well as a consequence of the growth of the grid.

Of course there are necessary conditions to be fulfilled

- Make it easy for people to buy/sell TFT
    - Atomic swaps were supported (means people can exchange between each other without centralization using our 3bot & wallet technology, it's complicated though): possible since April 2018 for our Rivine based blockchain, will be added to Stellar too.
    - Onboarding digital currencies:
        - ThreeFold collaboration with Stellar (XML), Digibyte (DGB) & Dash are examples of this and have been achieved in recent months!
        - Everyone will be able to buy/sell capacity using any of these currencies, conversion to TFT will be automatic.
    - Any farmer can sell/buy TFT because it represents a unit of IT capacity, basically owning TFT means you pre-purchased IT capacity on the grid: TF has had multiple farmers doing this since 2018.
    - Public exchanges are an additional mechanism (and not our favorite): this is new
    - The Foundation is looking to find other onboarding mechanisms too e.g. Gold
- Motivate hardware vendors to sell 3Node hardware, so it's easy for everyone to become a farmer.
- Motivate partners to become farming cooperatives, which makes it very easy for anyone to become a farmer. TF has some ready to go.
- Real decentralization, TF believes TF has achieved muchhere already but there is more to do.
- Right technology: done, it's live, running and being used with good results, TFTech is an independent software company that creates the software as open-source, TFTech does not have a contract today with any farmer, every farmer makes their own decision to farm and provides

capacity based on software found on the internet. This means TFTech has no relationship with Farming or Tokens in general.

- A marketing/promotion vehicle, which is TF Foundation. This organization does not develop technology, has no contracts in place with any farmer or cooperative. The purpose of the organization is to promote the idea to the world and assist people to become part of this movement.

How is our movement doing in relation to this strategy?

- Mostr farmers have migrated from v1 grid to v2 grid (or are planning to do so shortly), this demonstrates great commitment and trust in the future.
- There is capacity in +16 countries today, but not enough locations, still too much centralization, some farmers are really big. More farmers are needed.
- Requests for farming are collected through our website, and the response is good. The Foundation will forward the requests to the right partners who can fulfil the demand.
- The Foundation is preparing a farming campaign to add 1000 locations as soon as possible (realistic 6-12 months)
- TFTech is working on delivery channels (make it super easy for everyone to become a farmer)
- TFTech has developed a really cool simulator whichallows both farmers and token buyers to simulate the future: https://wiki.threefold.io/#/simulator_configure

The driving parts of our TF Movement

- The Foundation will be working over the next 12 months, with many thousands of farmers and hundreds of partners to grow this new internet organically.
- TFTech is a high tech company, which knows how to create technology (software)
- A contributing community of now >200 people who are actively growing the movement (+80 full time)

The TF Movement is different

- TF is not trying to compete with other cryptocurrencies, there will be no fake market-making, no groundless hype,
- TF does not want to compete with blockchain projects.
- TF does not believe positioning against massive, centralized cloud vendors like Amazon is a good idea. By contrast, TF is positioning the unique features of the decentralized TF Platform which are most relevant toedge cloud and smart contract for IT.
- TF is not pushing for TFT liquidity by promoting usage as if it was a classiccloud vendor (which TF is not), the Foundation believes this is not the correct strategy.

TF Movement Tactics

Grow the grid

Motivate farmers to farm, this happens by means of making sure farmers get rewarded with tokens for basically waiting until the grid is big enough and enough people will start using this. TF expects that it will take 1-2 more years before the TF Grid reaches a critical mass where the tipping point will be reached and cultivation will become more important than farming. TF believes the TF Grid will need at least 10.000 locations.

IN OTHER WORDS: FARMERS GET MANY MORE TOKENS TODAY COMPARED TO THE FUTURE. THIS IS THEIR REWARD FOR WAITING UNTIL THE GRID IS BIG ENOUGH.

Technically this has been realized by using a Difficulty Factor in relation to the maximum number of TFT in the market (there can never be more than4 Billion). The closer to the 4 Billion cap the higher the difficulty factor and the fewer TFT are farmed.

The bigger the network is, the more people will use it, so more tokens will be needed and more capacity will be bought from the farmers, this represents income stream nr 2 = cultivation of tokens.

Once there are enough locations on the TFGrid, TF expects grid adoption (usage) will be super easy and there will be a shortage of capacity and as such there will be positive support and demand for the TFT.

Partners, partners, partners

TF loves partners, TF wants partners to love us. Alone TF can never create the required traction and make this new internet possible. By being the missing layer for blockchain and other IT projects TF can achieve organic, stable growth, it may take longerthan going to end users ourselves but TF believes the partner route is the best and most sustainable route.

Get millions of end-users on the grid < 12 months

Through partners, TF wants to have millions of end-users within 1-2 years. TF is not doing this all by itself! TF partnershave their own user base and they see the benefit of working with us and moving their users onto our grid. Our partners want the peer2peer internet to happen and also make their users conscious internet users who own their own data and keepit close to where they live (sovereignty).

See the partner list below, it's becoming a very impressive list, many thanks to our ThreeFold business development team and matchmakers.

Establish token liquidity in an organic way

While TF has to admit somewhere TF was hoping a miracle would happen on the public exchanges and enough liquidity would just happen, but this is not the case. It would have been a nice upside but it's not required to get to real liquidity. On a public exchange, liquidity can only be achieved by active market-making (which requires a lot of financial backing, which TF doesn't have) and hype creation and other marketing techniques (e.g MLM is often used).

Organic liquidity will happen in the following way:

- Enough partners promote our token as a token for future capacity on the TF Grid.
- NEW: promote staking of the TFT (see next chapter)
- The grid growth will require more people to stake their tokens to promote healthy buying patterns

Staking of TFT (NEW)

2 weekends ago a complementary currency expert gave us this idea and explained the difference between hoarding & velocity based tokens.

The idea would be to promote the hoarding values of our tokens at this point and later improve on velocity once the network reached a critical mass.

More blockchain projects use "staking" to improve scarcity. Our staking is not a financial trick, it's a very logical process to reward people to hold tokens rather than selling them, how does TF do this?

Farmers get tokens as a reward to do the investment, the sooner they invest the loTFr the difficulty level so the more TFT gets farmed.

Our suggestion is that users will only get discounts on the TFGrid by staking enough tokens, which means TFT goes into a wallet which can only be used for buying ThreeFold IT capacity. Example could be, if you need 1k USD capacity per month, but you buy 2 year in advance (24K USD) you get upto 60% discount (9.6K USD).

This is a very logical approach, by buying & staking so many tokens upfront you basically become a co-owner of the already deployed capacity, this way the farmer can already sell some tokens to allow them to pay for their operational expenses and some of the investments done.

An additional benefit is that this creates a good reason for people to buy TFT which will also increase liquidity.

Sovereignty is the way forward

Countries, cities, companies want their data & apps close to them.
Amazon has only 60 locations today, this is nothing.
As far as TF knows TF is the only one having a working product, which can be made 100% decentralized self-healing, is sustainable enough and can be deployed NOW. TF is actively talking to cities, countries, …
This will generate many, many millions of end users which all need capacity from this new internet.
TF recently signed a first MOU with a group that services some cities in the UK, together TF is going to provide threefold farming capacity in those cities in a major way.

Have good enough technology available, now and in the future,
act first, talk after

TF technology stack is very innovative and ready for the future.
This is the result of 30 years of engineering & experience.
TF had different parties testing the various bits and pieces of our current stack and everyone is confident that this will work on the scale it has to and has the potential to be unlimited scalable yet still very secure and reliable.
TF is not trying to boil the ocean, TF is not another Amazon or Microsoft. TF is unique in our own way, mainly with our operating system, storage layer and smart contract for IT. Everyone can build their solutions

on top of it TODAY ! You need to be an IT expert though, TF has always been very clear about this. Within 2 weeks TF has a major new release coming called 2.1 where TF releases some things ahead on schedule.

A conscious marketing campaign

TF got lots of feedback from a larger community over the last 2 months, most of it super positive. The messaging though needs to be changed, there is no clear call to action on the website and people get lost, that is why TF is changing navigation of our website(s) and will make everything much easier to find and actionable. TF is preparing a bigger marketing campaign by the end of summer where TF through our partners will get into the market. Through our partners TF can reach many millions of people, TF doesn't want to do this before our TFb presence has been improved. TF is very grateful for our partners and influencers.

Get early adopter end users to use our grid

TF is working on a website which will probably be called Internet-9 (I9).
This website will allow end-users to directly (with few clicks) order pre-defined workloads.

[See this doc for more details (IMPORTANT AND EXCITING).](#)

Target for early adopters

- Blockchain
- Developers
- P2P enthusiasts

2 months of exponential value creation

TF is super happy with almost everything which happened, very proud with the progress made, thank you everyone involved.

It's crazy that all of this and much more not even mentioned happened in only 2 months.

Alliance For a Conscious Internet (ACI)

14 strong do-good projects today, another 10 in the pipeline

These projects have all the same in common

1. Planet first
2. Want to have their solution on the TFGrid
3. Want to make the new internet happen, make people free again.
4. Potential to reach many users, willingness to bring awareness to the ThreeFold new internet idea.

TF believes through this alliance TF will reach a couple of million people before summer end (latest sept).

TF waits for the moment where TF can have maximum impact, where TF has 20+ partners listed, aligned and ready to push

ThreeFold Foundation Partners (ACI members)

- EarthProject by [TAG](#)
    - ThreeFold has brought one of the most impactful projects on board by partnering with Take Action Global. In this partnership ThreeFold is providing decentralized internet access and supporting with tools like Crystal Twin, Meet and Wallet, organization that for years has been providing quality education in refugee camps in Africa as well as bringing to life Climate Action project, Innovation Lab Schools and other projects globally supported by highly respected authorities such as His Holiness the Dalai Lama and Jane Goodall. EarthProject will raise awareness through 10,000+ educators across the globe and TF look at around 1M users added on TF Grid via their education platform hosted on TF Grid.
- [SEEDS](#)
    - Seeds has built a regenerative financial and economical platform with their own digital currency empowering local economies and incentivizing people who are doing good for the planet. Partnership with ThreeFold is a beautiful match as Seeds already has active ambassadors and a 150+ partner community across the globe building regenerative decentralized ecosystems. They are not only bringing their platform on TF Grid but also expanding TF Grid wherever they go together with their regenerative economical system. TF is talking about empowering South America with a new internet and regenerative economy through Seeds established partners and investors.
- [Generation Blue](#)
    - A marketplace aiming to build on top of TF Grid providing investment and support opportunities for sustainability solutions that are protecting biodiversity by empowering communities with exponential technologies such as blockchain, focusing on the most threatened ecosystems such as tropical forests and mangroves. Partnership will bring significant awareness to ThreeFold's new internet, support tokenomics and add users to the grid.
- [Beliive](#)

- The world's largest time bank with 200,000 users today exchanging their time as a currency. Partnering with ThreeFold Beliive will move their time credits to TF Grid adding thousands of users on the grid connecting users' wallets and identity on the new internet.
  - Artheon
    - Virtual Reality Museum that has built out a database that already stores 400,000 fine art pieces from Museums across the globe. Artheon is one of the first experience use case with access to 10TB S3 on TF Grid showing what's possible and as it is becoming the largest virtual database and education platform for art and culture it not only provides users on the grid but also is opening doors for other Virtual Reality projects and experiences on TF Grid.

See more on http://consciousinternet.org/

ThreeFold Partners

Thanks to our friends from the Foundation (thank you Benje, Adnan, Abdul,Nickolay) and especially our partners like Decentranet, Digibyte and many more TF got connected to wonderful partners.

The following list are partners who are or will be on our website soon.

- DigiByte
  - TF is working closely with the DigiByte Foundation, Hans, Rudy & Rutger to develop and deploy the DigitByte protocol (digital assets, smart contracts, decentralized applications and secure authentication) on top of the TF Grid. The potential for both movements are exponential, DigiByte has a secure protocol, market awareness, connected to many exchanges and a community of over 1M users; ThreeFold has an active Grid and the technology to enable DigitByte and their community to develop and deploy truly decentralized applications and services at scale. Together TF will deploy tools to enable their community utilize DGB to onboard onto our Grid (Auto swap to TFT) and TF will make a large launch around this announcement.
- Dash
  - is an open source cryptocurrency which aims to become a medium for daily transactions, it is currently ranked 24th (CoinGecko) with over $200M in daily transactions. TF is working closely with Dash marketing and engineering team (Felix, Ratima, Sacha and more) to enable Dash community to deploy tools and onboard on TF Grid using Dash (automic swap to TFT), this has an excellent potential to drive awareness towards ThreeFold and increase transactions into our ecosystem and TF will make a larger launch around this announcement.
- Harmony
  - a large-scale open-source blockchain project for payments, data and media transactions to support over 10 billion people. TF is currently working with Harmony founders and core development team to deploy Harmony nodes onto the TF Grid. They are helping ThreeFold by driving awareness to their community.
- TomoChain
  - a scalable blockchain powered via Proof-of-Stake Voting consensus and pushing the envelope on decentralized applications from DeFi, Gaming, DEX and beyond. TF is currently working with Tomochain's core team (Alex, Kha, Kyn, Thuy & Minh) TomoChain will invite their developer community and anyone interested in contributing to the TomoChain Blockchain, to connect and use the Threefold Grid. By deploying their Masternodes and workloads on the ThreeFold Grid, their developers will benefit from a more decentralized and

affordable cloud offering, and benefit from the autonomous execution of their workloads via ThreeFold's Smart Contract for IT

- WaykiChain
    - is focused on developing its own technology, bottom public chain layer and as well corresponding to that an ecosystem which will foster technology research and development, as well as project operation. Together with ThreeFold they are decentralizing their node deployments and are inviting their community to deploy their nodes in a P2P environment.

- Skale Labs
    - Run your dApps in a decentralized modular cloud built for real-world needs and configured for your requirements. There is a perfect fit as TF will provide active decentralized capacity to their community to run any of their cloud workloads. With this collaboration, TF will invite their node operators and developers to deploy their validator and delegator nodes on top of our grid.
- SelfKey
    - a non-custodial wallet whereby you are in full control of your data, documents and digital assets. Currently, various use cases are being explored including potential KYC for ThreeFold Farmers . TF will share more as it develops.

Other projects mentions that TF is currently processing to onboard as TFGrid partners:
- Matic Network
- Elrond
- Near Protocol
- Vsystems
- Band Protocol
- Nervos
- Decred
- Neo
- Cosmos

Our partners are the engine for solid IT capacity usage and organic growth.

Move to Stellar Blockchain

TF is very happy that TF suggested the move from Rivine to Stellar this gave us the following advantages

- Public blockchain not linked to us, better from a governance perspective
- TF is not responsible for the security of the wallets & tokens (Stellar does a very good job there)
- TF has less work
- Bigger community
- Integrated decentralized exchange
- Allow every original token holder to sell their tokens on the stellar network (as TFTA)

It was a lot of work but it happened quite well. There were some issues with the wallet (reporting issues on locked tokens), also some transactions stopped in the middle but managed to finish.
Our checking tools show that everything happened how it was supposed to happen.

Please note, at no point of time TF had access to the source nor destination wallet (Rivine to Stellar), it's simply not possible, it's not how a blockchain works. People had to do the transaction themselves, that is why TF had to put code into our wallet to make this possible.

TF believes that this resulted in a lot of credibility in the blockchain community and is one of the reasons why it has been easier to create the partnerships TF is having now.

Launch on Liquid & BTC Alpha

More than 1m USD has been spent over the last year to make this possible.

Being on 2 good reliable public exchanges gives us a lot of credibility.
At this point it does not do much from a liquidity perspective for our TFT holders but eventually it will be completely aligned with our organic growth and mentioned strategy above.

Global MatchMakers Group

There is now a network of more than 15 people who are helping us to make connections with potential partners and investors. This is a global group of people. TF has contracts and mechanisms in place. All of these matchmakers agree to work on a no cure no pay basis.

Grid v2.1 almost ready to be released

Within 2 months after releasing 2.0 TF is ready with a next major upgrade.
TF got very good response on our v2.0

Feedback
- People realize the power of our SDK (development kit for the grid)
- Some are disappointed it's not usable for end users
- Some are disappointed that they expected us to be like Amazon which TF has no intentions for, TF believes TF has something to offer which is different and more future-proof
- There were quite some installation issues of the 3SDK
- User friendliness and manual can be better.
- People agree with our roadmap and certain elements were urgent that's why TF comes out with 2.1 already now.
- But in general TF is very happy with the feedback and people are looking forward to the future.

New Features
- Support for IPV4 for 3nodes (farming)
- A new IPV6 secure overlay network which can be used from any possible operating system and location (works on top of ipv4 as well)
- Reservations are now done as part of a "reservation pool", workloads can be recreated as part of this pool and specifications are kept (important update)
- Support for building of apps inside the grid itself.
- Monitoring & self-healing connectors for S3 storage solution (very cool for our partners)
- Lots of bug fixes and improvements in admin UI.
- A new version of the 3SDK (based on jumpscale next gen)
- 3SDK can now be used without Docker
- A grid hosted 3SDK

This is not a small release, it has lots of changes.

Market Exposure / Awareness

- **May 5: Alliance for a Conscious Internet Launch**
  - TF is super proud to announce the [Alliance for a Conscious Internet](#) – a collective and open ecosystem of planet and human centric projects that believe in the need for a peer-to-peer Internet
- **May 6: ThreeFold Demo's For TFWork FinTech Community**
  - TFWork Fintech Labs is a vivid community of 3,500 members of startups that share our enthusiasm for decentralization. TF is very happy for the opportunity to provide this community with an introduction to the ThreeFold Grid and the recently launched P2P Cloud.
- **May 7: ThreeFold Co-Founder on Leading Russian Blockchain Media**
  - This evening at 6pm GMT +2, ThreeFold co-founder Nickolay Babenko will take part in a live show on YouTube called "Explain About Crypto." The show is hosted by ForkLog, the leader in Russian blockchain media.
- **May 8: Introducing Artheon VR Museum!**
  - Today TF is proud to introduce you to Artheon, a member of the Conscious Internet Alliance. Artheon is a Virtual Reality museum offering immersive, next-level interaction with objects of cultural heritage.
- **May 8: ThreeFold on Product Hunt**
  - TF've just been listed on Product Hunt. Please check it out, and feel free to get involved!
- **May 11: Introducing SEEDS!**
  - Today TF is proud to introduce you to SEEDS - Regenerate Money, a member of the Conscious Internet Alliance. SEEDS is a financial system that serves, rewards and finances people and organizations committed to creating a healthier and more equitable planet.
- **May 12: Introducing Green Edge!**
  - Today TF is proud to introduce you to Green Edge, a member of the Conscious Internet Alliance. Green Edge is the first certified & largest ThreeFold Farmer.
- **May 13: Introducing Solidaridad!**
  - Today TF is proud to introduce you to Solidaridad, a member of the Conscious Internet Alliance. In addition, Solidaridad is and has been a valued partner of ThreeFold Tech.
- **May 15: SelfKey + ThreeFold**
  - SelfKey has officially announced our partnership, and TF is proud to share it (here)[https://selfkey.org/threefold-partners-with-selfkey/] with you as well!
- **May 19: Introducing PlanED by TAG!**
  - Today TF is proud to introduce you to PlanED by Take Action Global (TAG), a member of the Conscious Internet Alliance.
- **May 20: TomoChain Partnership**
  - TF is happy to officially announce a partnership with TomoChain, one of the most reputed blockchains of South East Asia!
- **May 22: DigiByte Collaboration**
  - TF is thrilled to announce our collaboration with DigiByte, an organization and community TF admire and respect!
- **May 25: Ivan on Tech + ThreeFold**
  - https://www.youtube.com/watch?v=BSZbF7eOp_s
  - Kristof De Spiegeleer, co-founder of ThreeFold, sits down with Ivan on Tech, explaining how the current internet needs an update and how ThreeFold is building an internet that empowers our 🌍, humanity, and technologies.
- **May 26: Hello, WaykiChain!**

- ○ Following several fantastic announcements last week (see above) in the blockchain space, TF is delighted to share another one today: WaykiChain!
- **May 27: TFT on Liquid & BTC Alpha**
  - ○ Starting on Monday June 1, the ThreeFold Token (TFT) will be live on both Liquid and BTC-Alpha exchanges.
- **May 29: Harmony (Protocol) Partnership!**
  - ○ TF is super happy to announce our partnership with Harmony
- **June 1: Live on Liquid and BTC Alpha**
  - ○ The ThreeFold Token is now live on both Liquid and BTC-Alpha!
- **June 3: Tokyo FinTech Podcast**
  - ○ Last week, our co-founder Kristof De Spiegeleer did an interview with the Tokyo FinTech Podcast.
  - ○ You can listen to it here.
- **June 4: Cointelegraph Coverage**
  - ○ TF received some coverage in Cointelegraph pertaining to our project and our partnership with DigiByte and others.
  - ○ https://cointelegraph.com/news/peer-to-peer-internet-has-lofty-goal-to-bring-true-decentralizationhttps://forum.threefold.io/t/recent-article-in-cointelegraph/503
- **June 9: 2-click Node Deployment live for three Blockchains**
  - ○ Setting up a Harmony Node
  - ○ Setting up a TomoChain Node
  - ○ Setting up a DigiByte Node
- **June 15: Dinis Guarda Interview**
  - ○ Over the weekend, our co-founder Kristof had the chance to sit down with Dinis Guarda – author, speaker, serial entrepreneur, advisor and experienced CEO who is focused on sustainable innovation, blockchain, fintech, AI, and new emerging business models.
  - ○ https://www.youtube.com/watch?v=VOZwVaZ9ehw
- **June 20: Forbes Coverage**
  - ○ TF is happy to let you know that TF has been featured with an extensive article on the Forbes website.
  - ○ https://www.forbes.com/sites/johnkoetsier/2020/06/20/largest-distributed-peer-to-peer-grid-on-the-planet-laying-foundation-for-a-decentralized-internet/#6df964296798
- **June 24: Hackernoon Coverage**
  - ○ Another article on ThreeFold in major relevant media.
  - ○ https://hackernoon.com/is-it-possible-to-create-a-decentralized-internet-this-startup-and-its-farmers-think-so-ey2e3ycf
- **June 25: Dash Next Partnership**
  - ○ Dash Next partnered with Threefold.

First sovereign internet deal

TF tech company signed an MOU with a UK partner for delivering ThreeFold farming capacity for some UK cities. This farming capacity (IT capacity) will be integrated with a renewable energy project, already many thousands of solar panels are deployed in the field as part of this project. A big fundraising campaign is happening for the next phase of this project. This project will be a fantastic proof of concept to show how cities can deploy their own sovereign internet with benefits like privacy, boost for local economy, less energy usage, integration with IoT projects, disaster recovery scenarios (this internet can never break down), personal internet freedom … TF is very grateful for our UK partner to make this possible.

This is a big deal and shows the potential in how people want to use our TFGrid to create local clouds for their local internet needs. This is a very hot topic.

Crystal Twin

A separate team has been working on an experience which will be hosted on top of our 3bot.
This is a very specific experience with a specific target audience but TF believes that this audience is big and has the potential to use a lot of the capacity of our grid.

This team has finished website, video's, product management, …
The website is not live yet, they are still deciding their go to market.

Hardware partner for farming push

TF cannot disclose the details yet but are close to a deal where a hardware partner will sell certified 3nodes and deal with certification and operations. This will help us to onboard more farmers more quickly.

Wisdom Council

See for more information below. This is a beautiful group of people who are ok to be our governing board for our not for profit organization.

European Union Grants

Together with some partners TF is and have been applying for 4 calls with a combined budget of €15 mil.
A nice chunk is for TF Tech.

End user facing technology (Jimber)

Decentralized zoom alternative is almost ready to be released and will run on our grid, this has the potential to use lots of grid capacity.

Peer2Peer personal private browser will launch as workload on the TFGrid, a new version has been released.

They both will launch as Internet9 workload as well as part of our 3SDK.

Technology Updated Info

There is quite some new information about the technology and how it relates to our Hercules productline. see https://wiki2.threefold.io/#/technology_architecture

Governance & Decentralization Improvements

As TF grows and becomes more mature not everyone will like us for what TF is trying to achieve. Transparency, Governance and Decentralizations is the best way to protect us, TF has nothing to hide.

Now that TF has launched our 2nd version of our grid TF has time to further improve on above-mentioned items.

See status of decentralization and improvements being made in:
https://wiki.threefold.io/#/decentralization_status.md

Not for profit structure with strong governance.

ThreeFold Foundation is now a VZW in Belgium, which is a not for profit organization organized by law. Such an organization has no shareholders and is by law not capable to return a profit to anyone. The management structure is our Wisdom Council (see below).

TF's existing-working organizations ThreeFold FZC (Dubai) and BetterToken (BE) will become 100% daughters (in the process doing this, Corona caused delay) of this VZW, this establishes a 100% neutral structure with good governance.

The tokens as used in the TDE (Token Distribution Event) are all owned by ThreeFold FZC and as such can only be used for projects which benefit the ThreeFold project. The wisdom council needs to give approval on the spending of TFT as owned by the Foundation.

Decentralization by means of 3 levels of Councils

TF believes in the good of people and technology cannot resolve all.
TF is introducing 3 councils which will bring us decentralization from people's perspective.

Think about this as a human blockchain.

See more details at: https://wiki2.threefold.io/#/threefold_councils.md

ThreeFold Wisdom Council

Our highest council is the Wisdom Council, which is a council of 12 people who own the governance of the ThreeFold Foundation See https://www.consciousinternet.org/#/council

This council only meets a couple of times per year to organize, discuss and vote on all matters of the Foundation which are relevant to discuss at this level. The detail of this will be made clear later and discussed in their first meeting.

TFGrid Council

A group of 9 people, which need to vote 6/9 for day to day operational activities

- Some examples of decisions which need to be taken
    - Approving the minting operations (signing)

- Approving day to day decisions e.g. remuneration for people who helped the ThreeFold (token salary)
- Approving new partners of the Alliance of Conscious Internet
- Approving of the members of the ThreeFold Technology Council
- Approval of polls done with community
- Approval of any fundamental change for any of the grid operational items
- The grid council has been approved by the wisdom council.
    - Each Guardian was interviewed by the council and approved to align with "fit for duty requirements"
    - This approval cycle will happen in Summer 2020.

Will be active latest in July 2020.

TF Technology Council

Group of 9 people who evaluate to their best abilities the technology as needs to be deployed in the grid

- Some examples of decisions which need to be taken
    - Approve code releases.
    - Sign the deployment of the code, so no code can be deployed for production purposes before majority signs.
    - Approve new development projects when funded by the ThreeFold foundation
    - Approve for standards/procedures/… as could be relevant for the TFGrid technology stack or operations
    - ...
- The technology council has been approved by the grid council.
    - Each Technology Guardian was interviewed by the grid council and approved to align with "fit for duty requirements"
    - This approval cycle will happen asap.

Will be active latest in July 2020.

ThreeFold Grid Voting System

TF is almost finished with our new voting system which will allow any token holder to be part of important decisions or give feedback in an organized manner.

It will be an easy system, you go through a wizard-driven system where you log in with your 3bot connect and have to transfer 0.1 TFT(A) to the voting wallet. This will tell our system who you are and how many tokens you have in your wallet.

The voting will happen on 3bot name and amount of tokens.

Only the TFGrid Council has detailed access to the poll results and will decide how to use those results e.g, publish.

ThreeFold Grid 2.0 Poll

TF hopes to be ready to do a poll this week using our new voting system.

The first poll will be about our Decentralization Manifesto and the TFTA sales process on the public exchanges.

More poll's will come later.

Abuse Notification Program

Anyone who experiences any sort of abuse can report this to a specifically created forum on https://forum.threefold.io/ , the events will be listed there and people warned.

Example events
- Scamming e.g. tricking people into sending money through impersonation attempts
- Blackmail attempts
- Unsafe domains or applications
- Trolling attempts (trying to damage ThreeFold's reputation)

TF will create a blacklist reporting tool, which allows everyone to check that the person they do business with is on the blacklist or not (this tool checks the origin of the tokens if they come from a fraudulent origin, the reason for blacklisting, and link to the forum information will be displayed). Our own wallet and decentralized exchange UI (future) will automatically report possible fraudulent origins of tokens.

Special case, if TF gets blackmailed by people who received the tokens for free (e.g. as a token of appreciation = gift) then TF will bring this to the attention of the TF Grid Council and our external legal counsel and if by 100% majority this council decides that this is a certain enough case of abuse TF will add the relevant wallet address(es) to the blacklist. This does not count for tokens purchased or farmed. TF can only inform people of potential fraudulent origins of tokens, TF cannot block anything by means of technology because the tokens have been rewarded and are on a public blockchain which can not be modified by anyone.

It's a pity that TF has to establish a protection mechanism like this, but the more TF will go public and show the potential of this new internet the more also certain people will try to abuse this situation.

Move most of our IT systems to our own Grid

Only our mail system and maybe slides will still be on google.
All other systems are in the process of being migrated to our own grid.

This will prove that TF trusts our own technology and it will also give us more decentralization & security.

Reporting on minting operation

From day 1 TF has made sure that all minting (creation) of tokens is the result of farming.
The genesis pool was defined and validated at the start of the blockchain, after that our Zero-OS'es do the measurements of available & used capacity and report this to our Grid Directory.

This happens for every node in our grid v 1.x and v2.x.

At the end of every month, the minting software calculates all the tokens and creates reports for our minting team to review. All members of that team need to verify and agree only then the minting software will mint.

A report per minting operation (per node) is done and stored on a redundant file server and the hash (unchangeable proof of the minting operation) is inserted into the transaction, which means that TF can at any point in time proof to anyone the validity of the minting operation. If anyone would ask us TF can prove the validity of minting for every token ever created.

Improvements TF wants to make is that the minting reports (the proofs) can be consulted by everyone (public accessible) and that TF creates tooling to let people verify that all TFT created is the result of farming activities in relation to uptime, capacity per node and farmer. This will happen over summer.

Another improvement TF is making is that TF officializes the sign off on minting. The TFGrid Council will have to sign off with 6/9 votes using our voting system. The minting software can only execute if the signatures have been registered on the Stellar blockchain.

In the future TF wants to automate this procedure, even more, TF will probably use a parity-based blockchain to automate this process with smart contracts, TF is talking with people who have the required knowledge for this.

Reporting on the move from TFT Rivine to TFT Stellar

TFTech has developed internal checking tools to make sure that the conversion between TFT & TFTA happened without mistakes. TF Grid Council is happy to report that this is the case.

TF wants to make these tools available for the community so everyone can check that the conversion happened in the right way.

There have been some bugs in the wallet user interface (mainly in relation to locked tokens) but at no point in time TF had access to the source or destination wallets, this is simply not possible because of the blockchain nature.

Plan for Token Liquidity (details)

Intro: Velocity vs Hoarding

Velocity based currencies

The velocity of money is important for measuring the rate at which money in circulation is being used for purchasing goods and services. It is used to help economists and investors gauge the health and vitality of an economy. ... It shows the rate at which money is being transacted for goods and services in an economy.

Velocity can be improved by introducing demurrage (make money expensive to keep, cheap to spend).

Many digital currencies abuse Velocity and try to create value that way (gambling on exchanges, fake market making, …). This can lead to very quick speculation but also lots of instabilities.

Hoarding based currencies

A hoarding based currency is a currency people like to hold on to, it only changes hands when required.
In this lifetime of our token TF is a Hoarding based currency, velocity will also become important of course but it will take some time before TF is there.
Hoarding is promoted by introducing staking mechanisms.
TF has designed a reliable token which at first phase needs to be more hoarding based.

Plan for healthy TFT liquidity

- Introducing the above-mentioned hoarding of TFT by the means of staking. Capacity users benefit from a discount that is based on the amount of tokens staked (means to be locked up only for usage on the TFGrid capacity). Users dedicate a certain amount of TFT to be locked up and being used to pay for capacity only. The longer the lockup time and the larger the amount of TFT locked up, the greater the discount. This leads to an increased scarcity of the tokens and rewards early adoption and support.
- Together with our partners we will later in summer promote lots of concrete use cases on our grid, which will lead to an increased demand in TFT.
- Motivate investors to fund the projects as mentioned in the TDE (Token Distribution Event). These projects provide value for the grid and together with them we create value which will attract more users and together we will promote the joint use cases.
- Our simulator tool can calculate the consequences of a growing TF Grid to the price of TFT. The more people understand the math behind our token economy, the greater will be the demand. We are currently developing an even more user friendly version of the simulator for our community.
- Our partnerships activity in the Blockchain space is gaining momentum. Next to Tomochain and Digitbyte, we recently welcomed Dash as a new partner. More relevant partnerships are in the making and will spread the word about ThreeFold to audiences of hundreds of thousands of technology interested community members that are potentially participating in the TFT economy.
- We are also expecting more use-cases to join the growing number of early adopters to deploy on the ThreeFold Grid and create a natural economic demand for TFT. Amongst the early adopters that signaled interest are projects that have great demand for decentralized capacity.

Conclusion

Threefold has been, is, and will always be a movement of people who want to build this new internet. Threefold Foundation's aim is to become the world's largest IT Capacity backbone (grid) for a new internet. Threefold's main goal is to be as decentralized as possible, creating a movement that currently aims to expand itself to at least 10.000 new locations within a period of 12 months or less. This goal is being realized by different growth strategies and initiatives; such as easing TFT transaction process, as well as on boarding other digital currencies in order to make it easier for people to buy and sell capacity to support the movement.

The Threefold Foundation aims to grow the internet organically by working together with partners, farmers and Threefold communities within the next 12 months. Threefold would promote more farming efforts by giving fair rewards to its farmers. And through its partners, Threefold also aims to have millions of end-users within 1-2 years. Threefold believes that a strong community is the key to reach Organic Liquidity.

The world needs a truly decentralized internet right here right now, and Threefold is confident that it is currently pioneering the movement by having a ready-and-deployable solution that is 100% decentralized, self-healing, sustainable. Threefold technology stack is very innovative and ready for the future. This is the result of 30 years of engineering & experience. Threefold is also preparing for a more conscious marketing campaign by the end of summer. One of its goals is to get early adopters to try and use Threefold Grid. This is being realized by working with partner projects at Alliance For a Conscious Internet (ACI); a collective and open ecosystem of planet and human centric projects that believe in the need for a peer-to-peer Internet. and its end-user initiative called Internet9.

As Threefold grows and becomes more mature, not everyone will like its daring and bold vision and what Threefold stands for as a movement. Transparency, Governance and Decentralizations is the best way to protect itself. With that in mind,Threefold is introducing 3 councils which will bring us decentralization from people's perspective as mentioned above; Threefold Wisdom Council, Threefold Grid Council and Threefold Technology Council. Threefold is also thankful for the support of its Global Matchmakers Group- a network of people who are helping TF to make connections with potential partners and investors.

Threefold believes in the good of people and that technology cannot resolve it all. Therefore Threefold is also thankful for its networks, allies, and partners, and media support. Within a few months, It has successfully launched on 2 reliable public exchanges; Liquid & BTC Alpha, and announced partnerships with credible partners like Dash, Digibyte, and many more. From Forbes to Hackernoon, it has also been receiving positive media coverages that helped itself to reach more partners and organizations that would like to become a part of the movement to support a fully decentralized new internet. At last, Threefold would always welcome every like-minded person and organizations to join the movement to create a fully decentralized, new internet for everyone.