



Crypto Trust Network

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0. Executive Summary

The strengths of cryptocurrencies are undeniable; decentralised, fast and putting the power back in people's hands. However, unfortunately this is often at the sacrifice of certain safeguards typically taken for granted in conventional banking. This coupled with the start of mainstream adoption which is bringing thousands of new people in every day wanting to be part of the gold rush. Simply browsing the internet, social media or viewing conventional advertising you will see sites and services all looking to profit from people wanting to get a piece of the infamous Bitcoin craze.

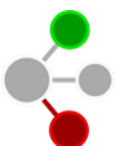
A downside to this is the general lack of experience and understanding of some of the key foundational elements of blockchain-backed assets and how quickly you can lose your stake; this combined with the boom of cryptocurrencies has pushed loss to historic highs – surpassing the total theft in the USA in 2015.^[0]

Anyone working with technology will tell you it's a well-established fact that crypto is rife with fraud and theft. From exchange breaches, phishing scams and malware right through to site hacks and wallet swaps there are a myriad of techniques ranging from very simple to advanced that can empty your crypto wallet in mere seconds.

Hundreds of millions of dollars in cryptocurrency lost every year to fraud, theft, breach or human error which in turn goes back into circulation.

Is this a problem our platform can we instantly stop? No. However we see an opportunity to offer a range of meaningful tools to help mitigate these losses – as cryptocurrency grows and reaches the mainstream we can offer a platform to offer peace of mind to newcomers, seasoned traders, exchanges or various other cryptocurrency platforms.

[0] <http://fortune.com/2017/08/28/ethereum-cryptocurrency-stolen-bitcoin/>



Introducing the Crypto Trust Network

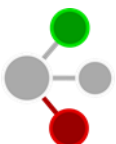
“Stopping fraud before it happens.”

CTN is a security & trust platform that allows tracking of fraudulent/high-risk cryptocurrency transactions by providing tools for crypto services, exchanges, wallets or merchants to query our platform and gain a ‘trust rating’ on wallets and transactions; allowing them to make an immediate, informed decision around their own business processes.

The CTN platform is powered by our analysis engine. By combining advanced data aggregation techniques, service breach report analysis, blockchain transaction information, machine learning and our internal algorithm we’re able to calculate an industry leading indicator of wallet & transaction risk through our “CTN Trust Rating.”

Our calculated data will then be integrated and built into a range of tools, microservices & APIs for crypto tech companies, wallet providers, exchanges, debit card services to subscribe to. This will allow them to seamlessly integrate our tools into their existing systems and make informed decisions and rules around accepting currency from high-risk wallets. From here our data will constantly evolve, improve and offer greater accuracy.

Whether it be an integrated wallet check before a user initiates a transfer, a debit card service wanting to gauge a ‘high-risk’ transaction or an online vendor wanting to be warned of an incoming payment using blacklisted currency CTN’s platform will offer a range of powerful tools to add value and protect customers across a range of services.



1. Why (The problem)

Cryptocurrencies have had a chequered history; there has been remarkable success, uncanny growth, wider adoption and acceptance as well as large instances of misfortune, negative media and large opposing forces. However, no one could argue the impact it's had on the world and how the foundation of these currencies (the blockchain) has implications to change almost every aspect of the modern world.

Notable examples include: the DAO hack, Bitfinex breach, the parity wallet incident(s) and of course, the infamous Mt Gox "hack." Some may consider these an unfortunate side effect of the world changing technology. Others, however (primarily those effected) may not be so optimistic. While there have been some notable economic events caused as ripples from these events nothing has really bought cryptocurrency to its knees.

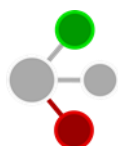
This stands to show the demand, passionate community and world-changing outcomes that are being achieved everyday with blockchain-backed technology and for these reasons it is proving to be an unstoppable global force regardless of a myriad of unfortunate incidents across the whole sector. A quick search online will yield pages of well documented instances of fraud and theft. While our whitepaper's goal isn't to offer analysis on these events there is a growing trend of more substantial financial loss every year. One interesting quote we found was related to the growing trend of ERC20 tokens:

"More than 30,000 people have fallen prey to Ethereum related scams this year alone, losing an average \$7,500 each for a total of \$225 million ^[1]"

While the open nature of the majority of currencies on the blockchain makes breaches, fraud or loss harder to hide – in the corporate space it's estimated 57% of large organisations do not publicly disclose data breaches. So how much more crypto loss goes undisclosed? ^[2]

[1] <https://www.investopedia.com/news/phishing-scams-have-cost-ico-investors-225m/>

[2] <http://www.zdnet.com/article/enterprise-data-breaches-often-left-undisclosed-malware-analysts-say/>

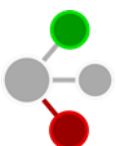


The question remains, **why is this still happening?** Why are individuals and businesses suffering such a substantial amount of loss through scams, phishing, malware and hacks? We believe as cryptocurrency moves more into the mainstream through traditional news sources, advertising and stories such as ‘the Bitcoin pizza’ have all fuelled the worlds insatiable demand for blockchain-backed cryptocurrencies.

As the key stakeholders move away from enthusiasts and more to larger financial institutions we see a distinct lack of services to help people buy and broker crypto assets. This in part being fuelled by a lack of regulation; while this is slowly changing it seems clear to us there needs to be better technology and tools in place allowing crypto technology companies to offer a better peace of mind to their customers. Alongside this, allowing them to show regulators they are making an active effort in protecting their assets. One such way to accomplish this is by offering powerful, meaningful tools which can be easily integrated with across a wide range of companies.

CTN is a platform that offers a range of services including data collection, analysis backed by our machine learning engine. This allows us to combine breach data and blockchain transactions and with our internal algorithm calculate our ‘CTN Trust Rating.’

Our rating gives an immediate, easy to understand value adding an additional layer of meta-data to a wallet or transaction that will be vital for companies implementing processes for high-risk transactions, meeting industry regulations, meeting regional AML laws or showing an active effort to protect their customers.



2. What (The CTN Solution)

The CTN Trust Rating

CTN will incorporate and analyse data from a myriad of sources both public and private. Some examples include: repositories of crypto-based malware, exchange/crypto service breach information (e.g. site hacks), crowd-sourced data of reported theft/phishing wallets, aggregation of comment threads, and reports from other popular sources & plenty more.

However, to be truly industry leading our key goal is to lay foundations that will forge CTN's position as an invaluable tool for any company or service that uses cryptocurrencies. Outlined in our timeline is the v2.0 implementation of the CTN Trust rating that will incorporate a machine-learning component holding some weighing in the calculated rating. The success of the service will be solely driven by the quantity and quality of data we can obtain which will be our key USP.

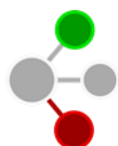
Introducing the CTN blockchain insight engine

From the on-set our CTN trust rating will be backed by data aggregated from a large number of sources that have been processed and analysed by CTN; however the next step in our trust rating (the v2.0 release) stands to be significantly more powerful. The next major milestone after the CTN Trust Rating release is the CTN Blockchain insight engine – this service will take raw blockchain data combined with machine learning and offer **pro-active** information around high-risk transactions. This data will then be integrated with the CTN Trust Rating for the 2.0 release.

A practical example:

1. A user's credit card is stolen – they call their bank and inform them of this; their card is then blocked. The bank has used real-life metadata to make an action.
2. A user's credit card information was stolen via a phishing scam – the individual has no idea their information has fallen into a third party's hands. The scammer attempts to use the site from a foreign country – the bank sees this transaction and blocks it; all unknown to the user.

CTN can easily absorb current metadata and public information and build a trust rating – but to be truly revolutionary we need to be able to be ahead of the curve and offer future insights through machine learning and deep learning.



What tools would the CTN platform offer?

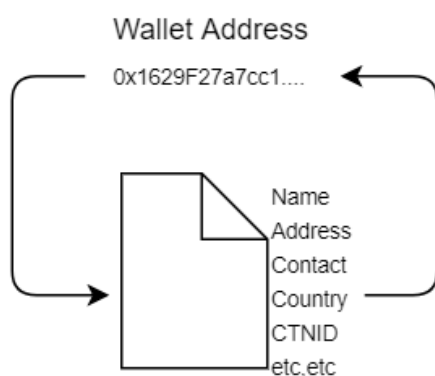
The CTN will be flexible; we understand that while we may set-out with a vision of goals and a roadmap, things will change and we will need to change with the industry needs. While we have discussed possible future services for the platform we are mindful of the fact there are already some extremely talented and established companies in this field, and our intention would be to stick to what we can do best and integrate with other services.

CTN's initial services will include:

1. CTN Verified 'address book'

The first service we offer will be the CTN verified address book. This will allow users of cryptocurrency wallets to submit meta-data to be stored against their wallet. Once submitted CTN will verify the information and have a wallet ownership proving process that's required to be undertaken.

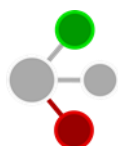
Up-on success we our service will allow looking up a wallet and seeing the associated verified company information **or** the inverse; allowing someone to enter company details with an auto-completed list that returns their verified wallet. This could be considered similar to a bank's 'pre-registered payee.'



CTN Verified 'address book'

2. Data aggregation of fraudulent/stolen transactions

For CTN to offer an industry leading 'risk rating' we will require a large amount of quality data. As such CTN will have a dedicated background service that automatically aggregates, collects and processes data into a standardised format for analysis. Fresh, high quality data will be the most vital aspect for CTN platform's success.



3. CTN Blockchain insights engine

The CTN Blockchain insights engine will be integrated into the CTN Trust rating 2.0 release. Powered by machine learning, the engine's job will be to consume blockchain data in order to **pro-actively** provide risk assessment data on blockchain transactions and wallets. This data will be slowly fed into our CTN Trust rating and as the quality of these insights improves the ratio of ML-backed insights engine data will increase.

Once the engine is providing reliable, verifiable information it will provide the key driving metric for the CTN Trust Rating; moving it away from 'static' information.

4. CTN Trust Rating

A propriety algorithm designed by CTN used to calculate a 'risk-rating' on a cryptocurrency wallet or transaction. The v1.0 CTN Trust Rating release will be backed by a range of static calculated data incorporating a vast range of metrics. Some of these may include:

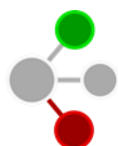
- Crypto-focused malware
- Exchange service breach information
- Crowd-sourced data of reported theft/phishing wallets
- Aggregation of social sites & wallet comments
- Proximity & transactions with fraud-linked wallets
- Receival of blacklisted funds
- Much, much more

Further in our roadmap we've planned the CTN Trust Rating v2.0 release. The v2.0 release will incorporate our Blockchain insights engine. The CTN Blockchain insights engine is a machine-learning backed service that will consume blockchain information in order to calculate risk information which will in turn be used to drive the CTN Trust Rating.

5. Integration services

All services in the CTN platform will offer full integration services & APIs allowing external entities to subscribe to access to our data & tools. This includes our CTN verified wallet and risk rating services.

For example: a cryptocurrency service integrates to our CTN verified address book – this allows one of their customers to enter the company they wish to pay with a physical name such as "Crypto Trust Network" in the background our service automatically resolves this to a verified wallet address and autocompletes the rest of the information.



What industries would utilise the CTN trust rating & services?

From the on-set our services would be mainly targeted at blockchain focused companies, specifically ones that deal in highly regulated industries. Financial services, companies that focus on helping new people into cryptocurrency or someone looking to offer a better service solution to their customers by adding an enhanced layer of protection. This may include:

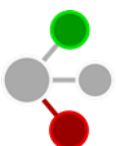
- Cryptocurrency wallets
- Exchanges
- Cryptocurrency sale sites
- Debit card platforms

Additionally, we're seeing a growing trend of more and more companies looking at not only blockchain-based infrastructure but also as a payment method. **For example:** law firms will no doubt start implanting smart-contract based services and escrow based on the blockchain or medical service providers looking to start accepting payment in cryptocurrencies. Based on these factors we see a large scope for CTN in other industries such as:

- Law firms
- Accountants
- Ecommerce
- Public sector
- Healthcare

So, does this whole CTN thing mean I can get my stolen coins back?

A short answer: No. However, it is a future possibility – by building a network of trust rating systems and integrating/working closely with other established technology companies & crypto services there could be a process in the future to handle stolen/hacked crypto assets with a strict verification process that could see coins being redistributed to their rightful 'owner.'



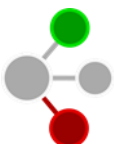
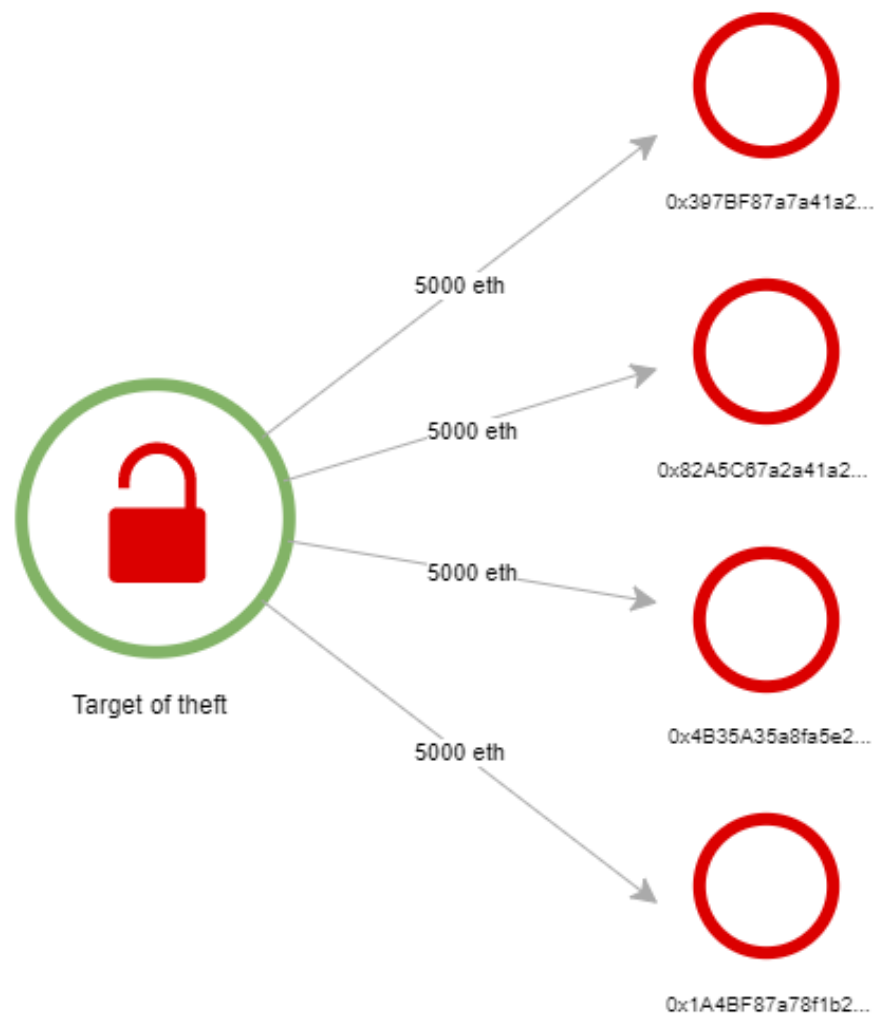
What are some real-life implementation examples?

Outlined below, we have included a real-life example of a potential CTN integration. Please keep in mind that for a normal transaction CTN's goal is not to intercept a transaction on the blockchain, but to provide integrators with more information to make informed decisions about incoming transactions and their origins to define their own processes.

While in the future CTN may offer escrow or wallet holding services where transactions processing is undertaken before being passed on; this example outlines a company or service undertaking their own pre-defined process.

1

There is a large exchange wallet breach, data analysis shows that 20,000 ETH was taken and distributed across a large amount of wallets.



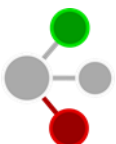
2

These wallets attempt to move 'blacklisted' currency into a CTN integrated service; due to the proximity and direct connection to the theft CTN flags the currency as a high-risk transaction and warns the crypto service.



3

Once the transaction has been flagged as high-risk the service can carry out their own process – this could involve a manual verification, a bounce-back or re-direct. The key is the service has the knowledge to make informed decisions.



3. Who (The team)

Who are you? Does you and your team have any experience in this?

The CTN project is backed by an established software development company with a huge amount of experience in development, corporate integration & execution. We have systems currently handling hundreds of thousands of requests a day – we know how to build for scale using modern technologies.

The CTN management team are all directors and shareholders of the software development firm “Digital Stock” – a company that has enjoyed a large amount of growth over the past 4 years. It’s founders Jim & Will both have experience in bootstrapping, maximising funds and growing companies.

With each shareholder bringing something unique to the table our myriad of skills has been our greatest asset allowing companies to grow – from deep technical design and development, system design and our greatest skill: relationship building. All this and experience will be used to drive the CTN.

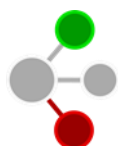
Founders:

Jim Dowling - CEO



New Zealand High Tech Awards Young Achiever finalist, director and founder of various tech companies. Jim takes the CEO role in CTN. Being a cryptocurrency evangelist since the early days of Bitcoin he’s passionately followed and supported a range of block-chain backed projects.

Jim’s primary role in CTN will be to work to define the vision, ideals and goals of the project as well as making connections, forging partnerships and reducing barriers to scalability & growth.



Will Finlayson - CTO



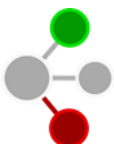
Award winning programmer Will is highly experienced developer overseeing all technical aspects of the key CTN infrastructure. Will has been the driving force behind keeping systems with unexpected sudden exponential growth up and running even when transactions reach millions of requests a day.

Will's primary role in CTN will involve managing the different teams: integration, data analysis, machine learning and ensuring we build scalable, integrable solutions that align with the vision of the company.

How about the rest of the team?

We're privileged to work some incredibly talented people – our people are the true strength of CTN. Our team boasts of a range of industry-leading talents with specialities ranging from integration, high performance storage/caching and blockchain development to machine learning and data analysis.

Naturally, of course we will aim to expand the team as quickly (and reasonably) as possible to ensure we're constantly using modern, scalable and secure technologies to provides CTN solutions – now and into the future.



4. How (Will I use the token?)

What role will the CTN token play in all this?

The CTN token will be the only way to pay for access to CTN's data & services – on our roadmap we will incorporate an exchange service into our platform – allowing entities that wish to subscribe to our services an easy way to buy them; as well as allowing our Token holders to 'cash out' for another cryptocurrency if they desire. Of course, holders & entities are free to trade these on exchanges or independently.

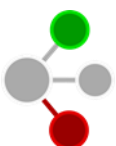
As the demand for CTN's services and data increases the token's value will be set by the market. Again, the CTN token will be the only payment option accepted for the platform.

Why a token? Why not just accept fiat/crypto for access to the services?

The CTN token firstly will be used to (obviously) raise capital to fund development – we have a series of extremely ambitious goals which have never been undertaken, we will require significant resources to drive both the research, development and compliance aspects of the project. Alongside this they will be used to reward CTN node operators and data suppliers.

CTN Node operators?

In our roadmap we have the transition from a centralised to a decentralized architecture. As part of this transition we will create node software to be ran as part of the CTN. Node operators will process CTN queries & generate advanced graphs of wallets & their proximity to fraudulent transitions across the blockchain this is a natural progression for CTN allowing a decentralisation of the network for redundancy, trust and allowing node operators to be rewarded with a share of the service costs.



5. When (Token Sale)

Key information

Presale: Effective immediately, we are offering a **very limited** token pre-sale up to the soft cap of 500,000 tokens as an additional bonus any contributions within the pre-sale will get a **25%** bonus on their ETH meaning a large amount of extra CTN. Once the presale hits the soft cap contributors will have to wait until the official launch on January the 22nd.

Official token sale start: The CTN token sale will **begin** on: Monday, the 22nd of January 2018, 6pm (London time, GMT) and last for 1 month.

Official token sale end: The CTN token sale will **end** on: Thursday the 22nd of February 2018, 6pm (London time, GMT) unless the hard cap is reached prior.

Price: Each token will be sold at a price of 1 USD **each**.

Token sale hard cap: There will be a maximum of 10,500,000 tokens available in the token sale.

Token sale soft cap: CTN must sell a minimum of 500,000 tokens for the sale to proceed; if we do not reach this target we will refund the ETH.

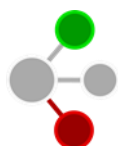
Presale bonus: If you are contributing in the **presale** before 500,000 tokens sold then there is a **25%** bonus; giving you an extra 25% on our purchase.

Official sale bonus: We will offer a bonus incentive for the first 2,000,000 CTN tokens sold during the official token sale, giving you an extra 20% on your purchase.

Total tokens created: 15,000,000 (see below for distribution:)

Token Distribution	Tokens	
Token sale	10,500,000*	70%
Data supplier/node rewards & partnerships	3,000,000	20%
Team/advisor incentive	1,125,000	7.5%
Bounty program	375,000	2.5%
Total tokens	15,000,000*	100%

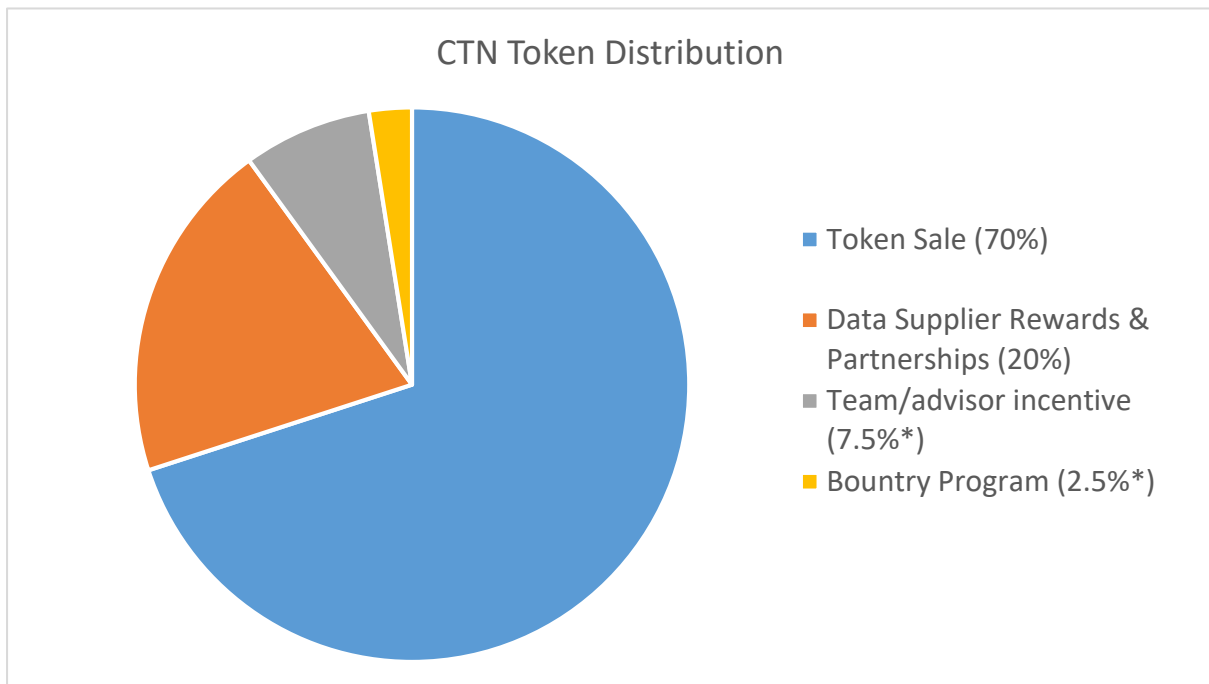
**This may vary slightly depending on purchase behaviors & bonuses as per our contract*



Presale bonus example: you choose to contribute \$1,000 USD of ETH towards CTN tokens and you are in the presale period and before 500,000 total tokens purchased you will receive 1,250 CTN tokens (this would be 1000 without a bonus.)

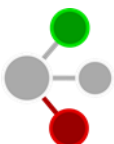
Official sale Bonus example: you choose to contribute \$1,000 USD of ETH towards CTN tokens; if you are in the initial 2,000,000 tokens purchase you will receive 1,200 CTN tokens. (This would be 1,000 without a bonus.)

Distribution graph:



* Residual bounty program tokens will be merged into the team/advisor incentive pool.

Burn policy: Due to the fact tokens are minted immediately as purchased there will be no additional tokens created that will go unsold, as such as no 'burn policy' is required.



What's up with the "Data Supplier & Partnership" token allocation?

These tokens (20% of the total supply, or 3,000,000 tokens) will be used for two main uses:

1. Data Supplier Rewards

The main portion of these rewards will be used as currency for data supply agreements with CTN and node operator's rewards; used to source high-quality bulk data for processing and analysis and reward CTN nodes for doing their bit in processing data for the network.

2. Partnerships

The second portion of these tokens will be used for partnerships – this may include incentivising deals such as tokens for testing the CTN with large strategic partners, crypto companies or exchanges that will strengthen the network as a whole.

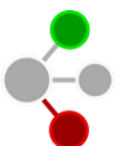
This token pool will be held in escrow and will only be used in business deals we feel will have a large amount of impact for CTN. These tokens will have withdrawal limits imposed on them and where possible CTN would like to include the community to have a say on the distribution of these via CTN token holder wallet message signing or similar mechanism.

How about the team/advisor tokens?

Plain and simple – our goal is for CTN to be an asset *worth* holding. We will need great minds to pursue this project and see it out to be the world-changing service it has the potential to be.

Great things happen when people feel part of something bigger; we intend to **get** and **keep** great people at CTN

These tokens will be used to incentive team members, influencers, advisors or as part of employment contracts. We will be accessing this pool sparingly and will have a time-lock mechanism in place so these won't be accessed for at least 1 year and if/when they are given out will only be in small amounts.



6. Where (funding distribution)

How will the funds raised be used by CTN?

The CTN project is backed by an established software development company with a huge amount of experience in development, corporate integration & execution. CTN funds won't be used for kitting out a brand new swanky office (we have one of those already.)

The funds raised for CTN (in a top-level sense) will go into the following areas:

1. Development of the platform

Firstly, the development of the key tools & features used by clients of the CTN network's services. We will aim to develop immediate tangible, usable services immediately including the CTN verified address book. Next, we will move efforts into the all-important CTN trust rating v1.0 release backed by static data, and then the CTN Trust Rating v2.0 release with the integrated Insights Engine. (Please see section 7 – Roadmap for more details.)

3 Year development fund allocation:

Year 1: 50%

Year 2: 50%

Year 3: 30%

2. Administration

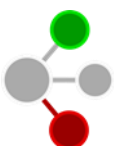
CTN will have dedicated administration staff for handling customer support of and handling the 'human element' to aspects of CTN such as manual verification processes for the CTN verified address book verification process.

3 Year Administration fund allocation:

Year 1: 10%

Year 2: 10%

Year 3: 10%



3. Compliance and legal

This project will take not only large amounts of development, research and business partnerships but there will also be many legal & compliance aspects to the project. We will have leading in-house legal & compliance expertise ensuring our services are helping our integration partners them meet and exceed their regulatory requirements.

3 Year Compliance/legal fund allocation:

Year 1: 20%

Year 2: 10%

Year 3: 5%

4. Data analysis & research

Almost all of CTN's services, tools and integrations will require complex technical development and infrastructure (both centralised then distributed) all of these features are only as good as the data and analysis they're backed by. Our CTN Trust Rating algorithm will be driven by the machine learning backed CTN Insights Engine.

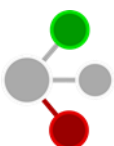
As the platform matures we will invest more heavily in research of new technologies as well as in-depth data analysis experts and tools to ensure we have the most up-to-date, relevant and well processed data backing our whole platform to give our clients and partners peace of mind with the accuracy of our insights.

3 Year Data analysis & research fund allocation:

Year 1: 10%

Year 2: 15%

Year 3: 25%



5. Marketing

Marketing will be not only involve creating materials and resources which will help show companies the benefits to integrating with CTN but will also include relationship building, partnership forming and ensuring CTN takes part in important events, conferences, presentations.

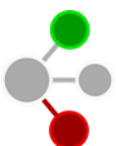
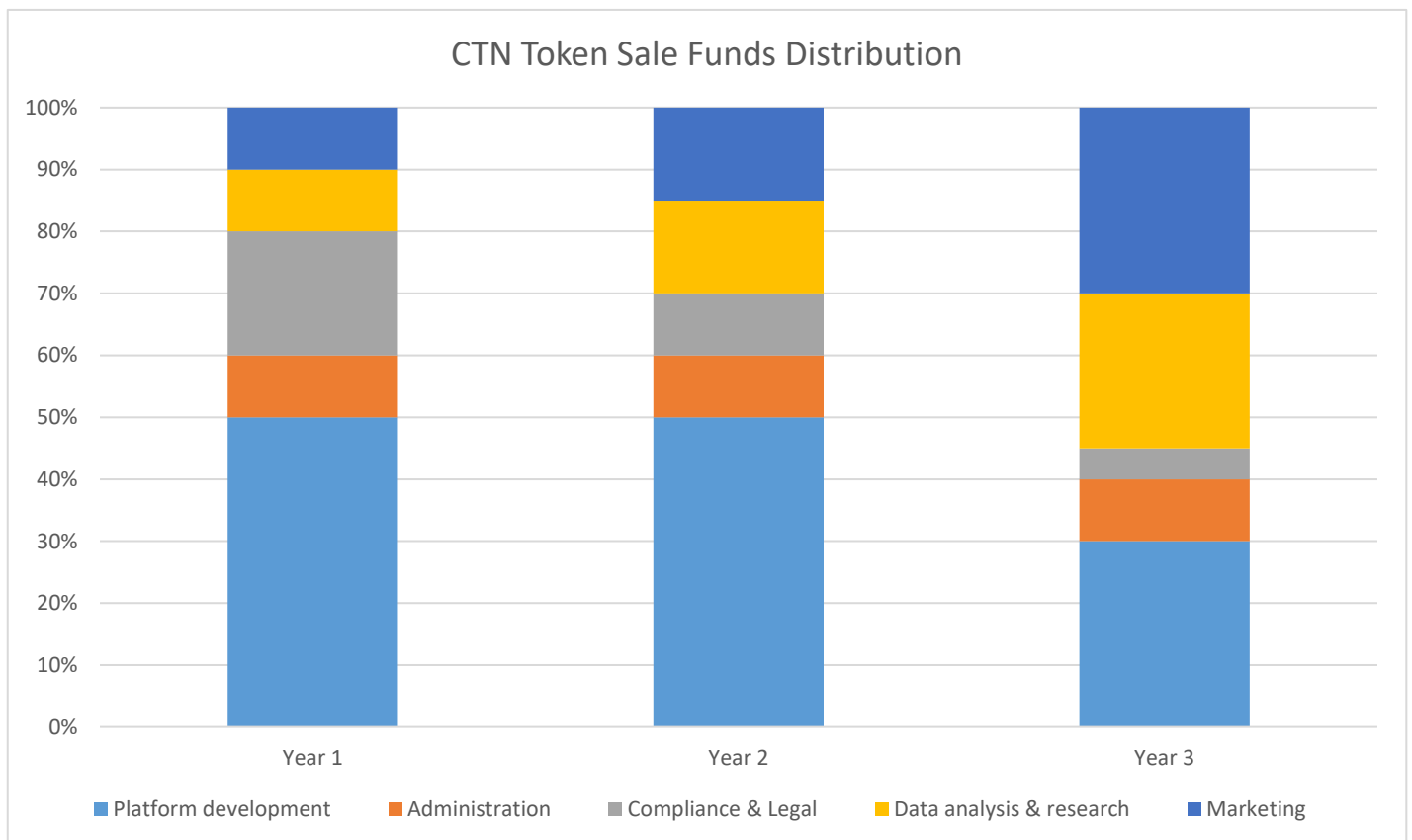
3 Year Marketing fund allocation:

Year 1: 10%

Year 2: 15%

Year 3: 30%

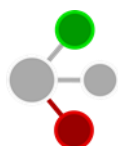
Our budgets and funding allocation will have to be flexible and will likely change on the needs of the industry, company growth and direction – as such these should be a simple guide only.



7. Year-1 Development roadmap

Please note: timeline is indicative only – CTN plans to be flexible and meet the demand of the market for services realistically a long-term development plan will never be set in stone. Our goal is to get valuable services to market fast. Highlighted in green are our initial key 2018 charged initial feature releases.

Year 1 – Development roadmap	
Dec 2017	CTN service: CTN Verified Address Book service development begins
Feb 2018	CTN service: CTN Verified Address Book service – beta offered to initial partners
Mar 2018	CTN service: CTN Trust rating v1.0 service development begins
Apr 2018	CTN platform: CTN blockchain analysis engine ML initial research & development
Apr 2018	Release 1 - CTN service: Verified Address Book service goes live
May 2018	CTN service: CTN Trust rating v1.0 service beta service offered for initial partners for internal use
Jul 2018	Release 2 - CTN service: CTN Trust rating v1.0 service live public release using static data sets
Aug 2018	CTN service: CTN Trust rating v2.0 service beta connected to CTN Blockchain Analysis ML Engine
Sep 2018	CTN platform: CTN blockchain analysis engine ML further data sets and development
Oct 2018	Release 2 - CTN service: CTN Trust rating v2.0 service live public release using ML Engine
Nov 2018	CTN platform: CTN Blockchain Analysis ML Engine continued development
Nov 2018	CTN platform: Distributed architecture node development begins



8. Bounty program

As part of CTN's token offering we will be offering a bounty program – rewarding contributors with CTN tokens in exchange for various services helping us in promoting our platform. Currently there is a surge in technology companies looking to promote their offerings via a token sale. While we're confident in our concept and technology we've seen a large marketing, campaigns overshadow competing offerings even when the concept is not as well established or technically lacking.

We believe fiercely in CTN, and as such are willing to reward people that believe in us too. As such we're offering a bounty program for high-quality content - whether it be promoting CTN in a positive light - or critical in our concept/solution we won't discriminate.

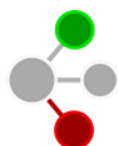
Please note: the bounty pay-outs will be conditional to CTN reaching the token sale soft cap - in the event we do not reach this the bounty program will not pay out any tokens; alongside this our bounty program is in strict supply and no tokens outside of the pre-allocated amount will be distributed.

Our intent is to hear what members in the various crypto communities take on our concept – not offer a copy-past advert

1. Blog/Article/Medium Post

Our preference is more 'higher quality' posts about CTN – we will pay out a generous bounty for posts directly about CTN; or a smaller reward for a mention or piece of an article. The bounty reward will vary on the platform, reach and content up to CTN's discretion. This could be content on a private blog or platform, a news article or a Medium post.

Blog/Article/Medium Post	
Normal quality/reach	Up to 20 CTN
Above average quality/reach	Up to 50 CTN
Exceptional quality/reach	50+ CTN
Mention/partial	1-50 CTN



2. YouTube/Video

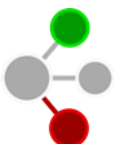
Aligning with our ethos of wanting to push high quality content – we’re also offering bounties for video producers – either on YouTube or similar platforms. A dedicated video to CTN will pay out bounties as below; and a partial/mention will pay a range depending on the exposure. New/0 video accounts will not be counted.

YouTube/Video	
Normal quality/reach	Up to 30 CTN
Above average quality/reach	Up to 75 CTN
Exceptional quality/reach	75+ CTN
Mention/partial	1-50 CTN

3. Bitcointalk/forum posts

CTN will also be paying bounties for forum introductions/opinions or analysis on the project. The tokens rewarded will be dependent on the post content quality and reputation by the member. New/0 post accounts will not be counted.

Bitcointalk/forum posts	
Normal quality/account	Up to 15 CTN
Above average quality/account	Up to 25 CTN
Exceptional quality/account	25+ CTN
Mention/partial	1-25 CTN



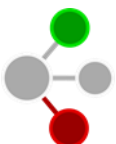
4. Twitter Posts & follows

Lastly, CTN will be distributing tokens as bounties to twitter users – for a bounty to be paid we will be checking for a follow, hashtag (#cryptrotrustwork) & a post. We will pay a bounty for up to 3 posts a week we require a minimum of 200 followers to pay out a bounty. We will have a wallet verification step by messaging our twitter account: @CTNCrypto when we are paying out bounties.

Bitcointalk/forum posts	
Follow + Hashtag + Post (up to 3) 200-500 followers	3 CTN per post
Follow + Hashtag + Post (up to 3) 500-1000 followers	5 CTN per post
Follow + Hashtag + Post (up to 3) 1000+ followers	7 CTN per post
Special sponsored post	Contact us

The bounty program will be live **immediately** and run until the end of the token sale on January the 15th, 2018 (or until hardcap.)

CTN will verify bounty pay-outs on receipt of wallet and content via the bounty submit form found on our [website](#). If you have any questions or issues with the bounty process please contact us via: bounties@cryptotrust.network.



9. Miscellaneous questions

Why should I support you?

A CTN token supporter would likely be experienced in cryptocurrency or potentially part of a company or service that sees benefits in the CTN platform's features – alongside this a supporter would understand that for it to further be adopted by the mainstream and continue to grow we need more tools for accessibility, security and compliance. CTN is an excellent way to show efforts are being made to protect customers without exposing additional personally identifiable information.

The token is being geared to be a sole currency allowing access to a powerful network of crypto security information and services. Alongside this we aim to offer a few bonus perks to token holders such as benefits through partner services (to be finalised and announced.)

What is the difference between the token sale soft cap and hard cap?

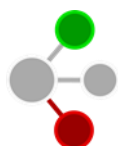
Essentially, velocity and platform features. Hiring talented people & focusing resources is a costly endeavour. The more tokens sold the faster we can scale and the more resources we have the more intelligence we can bring into the company through various roles such as marketing, design, compliance and development.

What currencies will you be targeting?

From the on-set we will gear the platform for the Ethereum & Bitcoin networks. However, the core of the network will be generic allowing CTN to build various connectors or utilising existing technology solutions to easily connect and apply the same data processing rules to almost any network.

Do you have any preliminary buy-in or listings arranged on exchanges?

Currently only conversations, although we will make an active effort to be listed on well-established exchanges that we feel meet the ethos of our company. We've had a lot of advice & geared our token to minimise friction with being listed on exchanges.



What about cross-chain breaking links between transactions such as converting them into ‘private’ coins? E.g. XMR?

Good question – assets with a focus on privacy such as XMR are designed to mask wallet balances and transaction amounts making it very difficult to trace. This is a core, fundamental of this currency. Simply put - we don’t have a solution.

However, with CTN we aim to offer tools for the converting process. If stolen coins were to be ‘laundered’ through an additional service CTN would aim to target the point of conversion. This could either be an exchanges or conversion service that has integrated with our tools showing they wanted to make an active effort to protect their customers. If stolen bitcoin were identified it would be easier to put measures in place to stop the process of converting them into a private currency before this process occurs.

Do we get in say in the direction of the network?

Yes. Not only do we intend to use clients, technology partners and the crypto industry’s needs and requirements to shape the future of CTN’s features and progression but alongside this we intend to allow CTN token holders to have a say in the progression of the platform via a token-holder’s voting mechanism.

We will allow CTN token holders to contribute to decisions throughout the development and shaping of CTN’s future. We don’t have details of exactly how the voting mechanism will work at this stage but it will likely involve a ‘vote message’ signing process from the wallet holding the tokens.

What will the services cost?

This is yet to be set in stone, we will bring in an experienced accountant for CTN to define a fair, open market price based on demand and costs for running the service. The wallet verification service will likely have a set price in which we will only accept CTN tokens to purchase it. The various APIs & services will have query and data quality limits imposed on them, controlled by an access portal online with an API key which is funded by tokens.

What will happen to the tokens that are used to purchase services?

These will be returned to the network for the initial centralized infrastructure – a portion of which will be on-sold on the open market or to integration partners to fund CTN. When we move to the decentralised node service the majority of these will be paid to node operators minus a fee used to fund the CTN.

