

Biometric Hybrid Blockchain City



TRUSTO

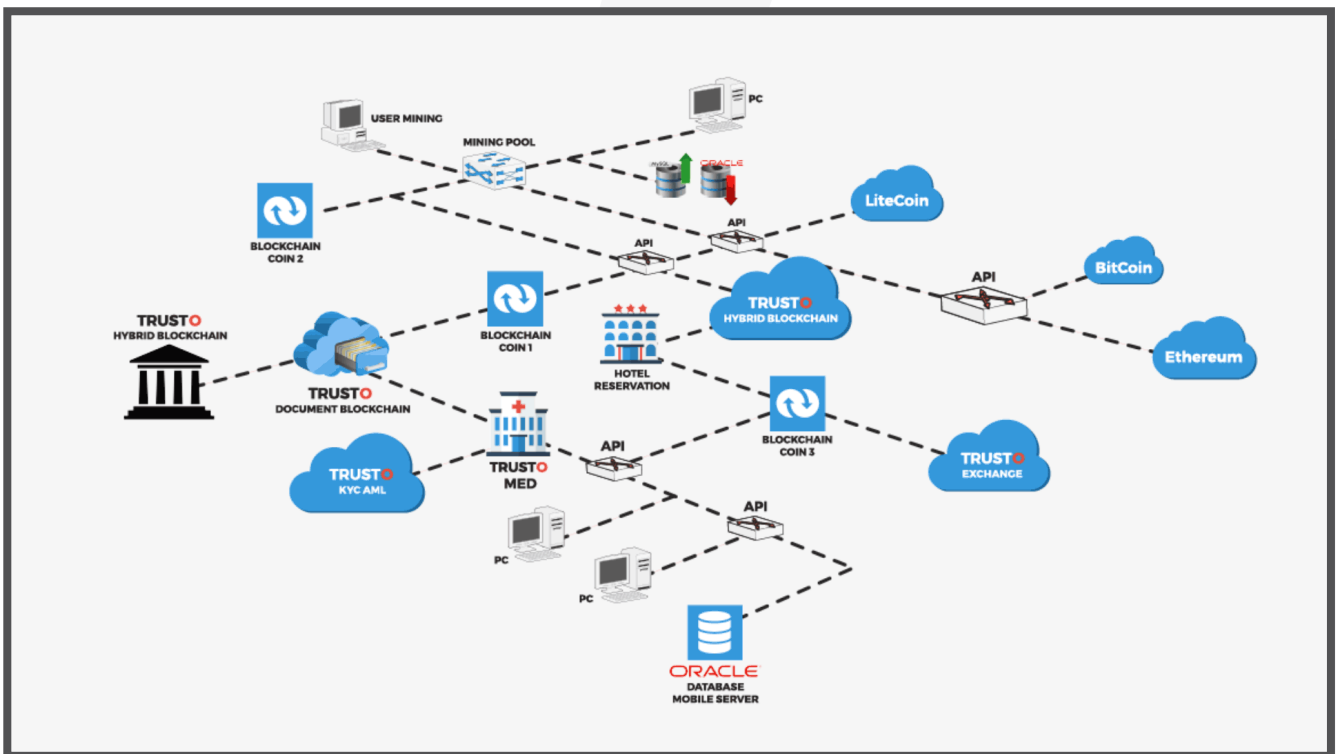
ICO 3.0

TRUSTO ICO 3.0

TRUSTO CITY

We TRUSTO are a group of researchers, developers, project managers and consultants, with the core aim of Research revolutionary Blockchain concepts and converting them into Enterprise solutions that can solve real business problems. Our team of coders and engineers are coming from multiple research activity background (sales and marketing, financial economics, architecture of security systems and engineering, bioengineering, hardware, software, data mining, artificial intelligence), and we have the experience of developing completely new Blockchains technology from Biometrics technology.

But first – what is blockchain? Blockchain is a distributed database technology that allows transactions of any kind to be recorded on a distributed or decentralized ledger (known as the blockchain). This decentralized approach eliminates the need to have a trusted middleman validate each transaction, instead using a consensus-based approach to validate every transaction that happens on the network. Besides the efficiency gained from cutting out the middleman, this approach adds security to all transactions on the blockchain, because it's impossible to forge a transaction across a majority of a blockchain network's distributed "nodes". TRUSTO Romanian team succeed to develop the TRUSTO CITY SDK development technology



TRUSTO Platform Blockchain and are fond of converting complex transactions and sequence from code in to real world to be used with any knowledge or expertise or experience in computer science or coding. Our area of expertise is in Blockchain-based applications inclusive of any business transaction in multiple business sectors such as:

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- Business order tracking
- Supply chain
- Banking and Finance
- E-learning
- Healthcare
- Online shopping portals
- Insurance,
- Travel
- Music
- Renewable energy
- Contract validation

While there is no standard format for a Concept Note, generally the following information is given:

Concept Scope

- TRUSTO Decentralised exchange Platform
- TRUSTO Consensus made by Users
- TRUSTO KYC & AML Native
- TRUSTO Document Blockchain
- TRUSTO Hybrid Biometric Blockchain
- TRUSTO 100 Million Users by 2020
- TRUSTO Security
- TRUSTO City

TRUSTO Platform Context, a versatile new custom tokens management development platform, will aim to bring the benefits of blockchain technology to secure, save, or exchange and file or document, securities transfer and fiat money transfers.

The platform will focus on integration of Fiat currencies through compliant gateway operators, allowing users to employ any Fiat or coin and others for blockchain operations, rather than relying on a native token subject to volatility through changing supply and demand. In the context of the concerning move towards permissioned blockchains, TRUSTO will offer financial institutions an open platform fit for purpose and suited to the demands of KYC/AML regulation native technology. It will also include anonymity features, audit for institutional, a must for industry-grade transfer platforms.

Decentralized Trusto

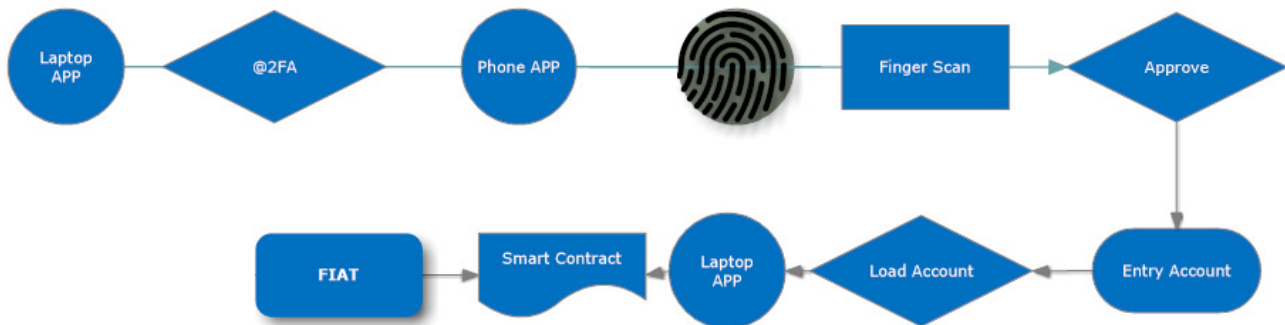
TRUSTO PLATFORM will initially focus on several key applications. A decentralized token exchange will facilitate fundraising, secure, save, or exchange and file or document, and transfer of financial instruments on the blockchain. Asset-to-asset (P2P) transfer will be enabled from the start, meaning that any currencies and assets can be used to pay network fees, thereby placing minimal burdens on end users.

TRUSTO is designed to take the any legal token or coins concept to its fullest expression, the platforms who is a new product in the cryptocurrency world thanks facilitating instant exchange and other existing projects. 'One of the use cases we want to realize from the start is a kind of decentralised Trusto - one where anyone can raise funds for their project, but where investors are protected by TRUSTO PLATFORM' built-in blockchain-based reputation system, and where they can trade their stake in a project with third parties or gain an automatic refund if certain conditions are not met.'

Two-tier architecture

TRUSTO PLATFORM is positioned for accessibility and mass adoption from the outset. The network is built on the Haskell, Java language, which develops an approach based on using current network state as an alternative to full transaction history. TRUSTO PLATFORM will use a variation of the PoS and PoW consensus mechanism, which enables developers to use their balances to maintain network security whilst leaving staking itself to full nodes. This two-tier architecture means end users will only need developers, facilitating easy installation. Interfaces familiar from existing online banking and transfer apps will enable a flat learning curve.

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The concern for usability is reflected in the use of plug-ins to enable new transaction types. Other platforms include these in the core, which lead to regular and mandatory hard forks. 'This way, any developer can implement a new type of transaction, using Trusto Smart Contract technology. Any node can propagate these, whether or not they have the required plug-in to interpret it. This should lead to an Trusto-like ecosystem, as well and unprecedented safe consensus mechanism and flexibility.

Consensus in this case of trusto is based on user (people vote and no computations power) .

Rationale for the Proposed Project

Business projects can range from evaluating the financial viability of competing projects to planning for an international expansion. The project rationale is a brief description of the reasons why a project should receive funding and management approval. It is usually a part of project proposals and business cases in both for-profit and nonprofit companies.

Return on Investment

The rationale for a project could be the financial evaluation of multiple projects. Trusto company have to decide whether to fund:

- Research and development into a new API technology product,
- Developer Reward for the new API or applications install on the Trusto platform,
- Trusto Company will acquire similar product or form a joint venture with another company.
- Common evaluation tools include net present value and payback period.
- The net present value is a project's future cash flow discounted back to the present.
- The payback period is the time required to recover a project investment.
- Projects with a positive or high net present value and a short payback period are generally preferable over projects with low or negative present value and a long payback period.

We are confident from following facts after study of 700 ICO in 18 months:

Venture capital firm from London "Mangrove Capital Partners" claims that: "If one had blindly invested €10,000 in every ICO, including the significant number of ICOs that failed, this would have delivered a +1300% return."

<http://www.mangrove.vc/ico-report2017>

ICOs have boomed in popularity in 2017, with over \$2 billion raised since the start of the year. For companies looking at applications of blockchain technology, ICOs have far outstripped venture capital as the biggest source of funding.

How does TRUSTO differ from other crypto exchange or banks?

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TRUSTO is not just an exchange is a platform for blockchain applications and in many high-tech fields:

- TRUSTO applications on Cloud technology of Blockchain
- TRUSTO IOT
- TRUSTO IOMT
- TRUSTO Biometrics ID
- TRUSTO Security
- TRUSTO Data Storage
- TRUSTO Data Management
- TRUSTO Data on Biometrics Blockchain
- TRUSTO Biometrical infrastructure security
- TRUSTO Medical Blockchain Biometrical infrastructure
- TRUSTO API development
- TRUSTO Development Reward

TRUSTO It focusses on Biometric contactless payments, because, in the future plastic cards will not be needed. You can use its payment app right after installation, without a need to wait 2 weeks for your plastic card to arrive. TRUSTO are focused on transactions. TRUSTO main goal is to create their own crypto-payment infrastructure based on blockchain technology that will significantly reduce the cost of transactions for merchants TRUSTO is confident to achieve this task, because they have extensive experience in creating viable payment solutions. TRUSTO is focused not only on working with the existing crypto community, which now consists of just a few million people, but also with an audience that is still only curious about the crypto-world and is afraid to buy crypto-currencies. they created a system, which will motivate millions of new users to connect with crypto-payments. Get 50 FREE Tokens now! TRUSTO is not just an exchange is a platform for blockchain applications and in many high-tech fields

Trusto Technology Evaluation

A project rationale could be the evaluation of competing technology solutions. Trusto Company business is based on development of hardware and software for Trusto platform and its next generation Hybrid Biometric Blockchain products. Our management establish the project team to evaluate the various alternatives. The Trusto reason is for this project be the top security compliance technology option that represents the best long-term growth potential for the company. Trusto is considering the implementation of an enterprise software solution for process improvements, could set up a project team to add API compatibility to competing solutions from Microsoft, SAP, Oracle and other vendors as cost-effective and technologically superior solution.

Business Expansion

Trusto Company is always looking for revenue growth opportunities. Trusto interest is to setup a platform for a small developers and small companies to grow from developing new products, increasing the sales of existing products and exploring new markets. The company could fund projects to evaluate each one of these strategic alternatives. For example, one project rationale could be to determine which international market offers the best growth opportunity over the medium- to long-term.

Other Rationales for Trusto Platform to R&D

Trusto project rationales include assessing different marketing strategies, constructing new developing software office facilities and moving products from research into full-scale production. Each one of these projects represents benefits, such as future cash flows, and low risks, such as high initial cash outlays and the failure to gain market acceptance.

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Project Goals and Objectives:

- TRUSTO Decentralised exchange
- TRUSTO Hybrid Biometric Blockchain
- TRUSTO MED (Health Sector)
- TRUSTO Bank Technology (Financial Sector)
- TRUSTO Exchange (Financial Sector)
- TRUSTO Trade (Financial Sector)
- TRUSTO Exchange Pool HFT (Financial Sector)
- TRUSTO Registrations time 1 Day Max
- TRUSTO Security technology (IT Sector)
- TRUSTO KYC & AML Native
- TRUSTO Cold Storage (IT Sector)
- TRUSTO Blockchain Biometric Storage
- TRUSTO Platform API development
- TRUSTO Security Technology Servers
- TRUSTO 100 New App by 2019
- TRUSTO 100 Million users by 2020
- TRUSTO Registrations time 1 Day Max
- TRUSTO Identity management
- TRUSTO Private Blockchain
- TRUSTO Public Blockchain
- TRUSTO 2FA Blockchain Call Back Technology

Trusto plans to provide a decentralized Hybrid Biometric cloud storage service and will take advantage of unused computer hard drive space. Trusto ICO contributors received tokens that they will be able to use to purchase storage space from Trusto once the service has launched and pay the services of Trusto.

Since Trusto total supply is fixed at the end of the campaign, Trusto utility tokens may appreciate over time if demand for the product or service increases. However, investors should be interested of startups that describe their token as a utility or app coin but also market it as an investment because it is not possible that the regulators will consider the asset a security. It is important to note that “utility token” is an organizational distinction and the legal one in Estonia.

Expected Results

TRUSTO TODAY

- Biometric Blockchain
- Hybrid Blockchain
- Document Blockchain
- Blockchain Cold Storage

People use the term ‘blockchain technology’ to mean different things, and it can be confusing. Sometimes they are talking about The TRUSTO Blockchain, sometimes it’s other virtual currencies, sometimes it’s smart contracts. Most of the time though, they are talking about distributed ledgers, i.e. a list of transactions that is shared among a number of computers, rather than being stored on a central server.

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The common themes seem to be a data store which:

- Usually contains financial transactions.
- Is replicated across a number of systems in almost real-time.
- Usually exists over a peer-to-peer network.
- Uses cryptography and digital signatures to prove identity, authenticity and enforce read/write access rights.
- Can be written by certain participants.
- Can be read by certain participants, a wider audience.
- Has mechanisms to make it hard to change historical records, or at least make it easy to detect when someone is trying to do so.

Think of “blockchain technology” as a collection of technologies, a bit like a Piece of Lego. From the Lego case, you can take out different bricks and put them together in different ways to create different results.

Random Forest Capital, LLC’s investment management philosophy focuses on data science, in which machine learning within fully non-parametric statistical models are applied to the problem of expected gains in financial investments. Rather than having humans look at each individual event within the marketplace, machine learning employs statistical algorithms over thousands of variables and millions of observations that are capable of detecting persistent effects across all aspects of data.

TRUSTO Public Vs Private Blockchains

There is a big difference in what technologies developers need, depending on whether developers allow anyone to write to developers blockchain, or known, vetted participants. TRUSTO allows anyone to write to its ledger.

TRUSTO Public blockchains.

Ledgers can be ‘public’ in two senses:

1. Anyone, without permission granted by another authority, can write data
2. Anyone, without permission granted by another authority, can read data

Usually, when people talk about public blockchains, they mean anyone-can-write.

TRUSTO Private blockchains.

Conversely, a ‘private’ blockchain network is where the participants are known and trusted: for example, an industry group, or a group of companies owned by an umbrella company. Many of the mechanisms aren’t needed – or rather they are replaced with legal contracts. This changes the technical decisions as to which bricks are used to build the solution.

TRUSTO ‘anyone-can-write’ blockchain or smart contract

Because TRUSTO is designed as a ‘anyone-can-write’ blockchain, where participants aren’t vetted and can add to the ledger without needing approval, it needs ways of arbitrating discrepancies (there is no ‘boss’ to decide), and defense mechanisms against attacks (anyone can misbehave with relative impunity, if there is a financial incentive to do so). These create cost and complexity to running this blockchain.

TRUSTO blockchain is just a management of files. A blockchain by itself is just a data structure. That is, how data is logically put together and stored. Other data structures are databases (rows, columns, tables), text files, comma separated values (csv), images, lists, and so on. You can think of a blockchain competing most closely with a database.

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Blocks in a chain = pages in a book

For analogy, a book is a chain of pages. Each page in a book contains:

- The text: for example, the story.
- Information about itself: at the top of the page there is usually the title of the book and sometimes the chapter number or title; at the bottom is usually the page number which tells developers where you are in the book. This 'data about data' is called meta-data.

Similarly, in a blockchain block, each block has:

- The contents of the block, for example in TRUSTO is it the TRUSTO transactions, and the miner incentive reward
- A 'header' which contains the data about the block. In TRUSTO, the header includes some technical information about the block, a reference to the previous block, and a fingerprint (hash) of the data contained in this block, among other things. This hash is important for ordering.

TRUSTO Blocks in a chain refer to previous blocks, like page numbers in a book.

Block ordering in a blockchain

Page by page. With books, predictable page numbers make it easy to know the order of the pages. If you ripped out all the pages and shuffled them, it would be easy to put them back into the correct order where the story makes sense.

Block by block. With blockchains, each block references the previous block, not by 'block number', but by the block's fingerprint, which is cleverer than a page number because the fingerprint itself is determined by the contents of the block.

TRUSTO DATA STORAGE: Why in blockchain?

Internal consistency. By using a fingerprint instead of a timestamp or a numerical sequence, you also get a nice way of validating the data. In any blockchain, you can generate the block fingerprints yourself by using certain algorithms. If the fingerprints are consistent with the data, and the fingerprints join up in a chain, then you can be sure that the blockchain is internally consistent. If anyone wants to meddle with any of the data, they have to regenerate all the fingerprints from that point forwards and the blockchain will look different.

A peek inside a blockchain block: the fingerprints are unique to the block's contents.

This means that if it is difficult or slow to create this fingerprint, then it can also be difficult or slow to re-write a blockchain.

The logic in TRUSTO is:

- Make it hard to generate a fingerprint that satisfies the rules of The TRUSTO Blockchain
 - Therefore, if someone wants to re-write parts of The TRUSTO Blockchain, it will take them a long time, and they have to catchup with and overtake the rest of the honest network
- This is why people say The TRUSTO Blockchain is immutable (cannot be changed)*.

*However, blockchains in general are not immutable.

- Having said that, the peer-to-peer data sharing mechanism, plus the fingerprinting makes it obvious when a participant tries to alter some data, if you keep track of the fingerprints.

DATA DISTRIBUTION: How is new data communicated?

Peer to peer is one way of distributing data in a network. Another way is client-server. You may have heard of peer-to-peer file sharing on the TRUSTO DOCUMENT BLOCKCHAIN network where files are shared between users, without a central server controlling the data. This is why TRUSTO has remained resilient as a network and TRUSTO DOCUMENT BLOCKCHAIN as storage safe and secure.

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TRUSTO Client-server

In the office environment, often data is held on servers, and wherever you log in, you can access the data. The server holds 100% of the data, and the developers trust that the data is definitive. Most of the internet is client-server where the website is held on the server, and you are the client when you access it. This is very efficient, and a traditional model in computing.

TRUSTO Peer-to-peer (P2P)

In peer-to-peer models, it's more like a gossip network where each peer has 100% of the data (or as close to it as possible), and updates are shared around. Peer-to-peer is in some ways less efficient than client-server, as data is replicated many times; once per machine, and each change or addition to the data creates a lot of noisy gossip. However, each peer is more independent, and can continue operating to some extent if it loses connectivity to the rest of the network. Also peer-to-peer networks are more robust, as there is no central server that can be controlled, so closing down peer-to-peer networks is harder.

The problems with peer-to-peer

With peer-to-peer models, even if all peers are 'trusted', there can be a problem of agreement or consensus – if each peer is updating at different speeds and have slightly different states, how do you determine the “real” or “true” state of the data?

In an 'untrusted' peer-to-peer network where you can't necessarily trust any of the peers, how do you ensure that the system can't easily be corrupted by bad peers?

TRUSTO CONSENSUS: How do you resolve conflicts?

A common conflict is when multiple miners create blocks at roughly the same time. Because blocks take time to be shared across the network, which one should count as the legit block?

Example. Let's say all the nodes on the network have synchronized their blockchains, and they are all on block number 80. If three miners across the world create 'Block 81' at roughly the same time, which 'Block 81' should be considered valid? Remember that each 'Block 81' will look slightly different: They will certainly contain a different payment address for the 25 BTC block reward; and they may contain a different set transactions. Let's call them 81a, 81b, 81c.

Which block should count as the legit one?

How do you resolve this?

Longest chain rule. In TRUSTO, the conflict is resolved by a rule called the “longest chain rule”.

In the example above, you would assume that the first 'Block 81' you see is valid. Let's say you see 81a first. You can start building the next block on that, trying to create 82a:

Treat the first block you see as legitimate.

However, in a few seconds you may see 81b. If you see this, you keep an eye on it. If later you see 82b, the “longest chain rule” says that you should regard the longer 'b' chain as the valid one (...80, 81b, 82b) and ignore the shorter chain (...80, 81a). So you stop trying to make 82a and instead start trying to make 83b:

TRUSTO Longest chain rule: If you see multiple blocks, treat the longest chain as legitimate.

The “longest chain rule” is the rule that the TRUSTO blockchain ecosystem uses to resolve these conflicts which are common in distributed networks.

However, with a more centralised or trusted blockchain network, you can make decisions by using a trusted, or senior validator to arbitrate in these cases.

If recent developments have left you sitting on the fence or feeling some doubt, perhaps a little review is in order. Or maybe you're new to TRUSTO and want a thumbnail explanation of its core components. Up to this moment all are the same but TRUSTO is not the same is using multiple layers and Cold Storage (cannot be destroy or deleted.)

In the first installment, we talk about the backbone of TRUSTO: its platform.

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TRUSTO Platform Basics

TRUSTO is a blockchain application platform designed to allow developers to create their own decentralized apps (Dapps) – similar in function to Ethereum or NEO. It allows developers to build Dapps on fully customizable “sidechains” and “Applications inside Blockchain”.

For those who want a more comprehensive explanation, check out this the TRUSTO whitepaper. For everyone else, here is the infographic and a few more details.

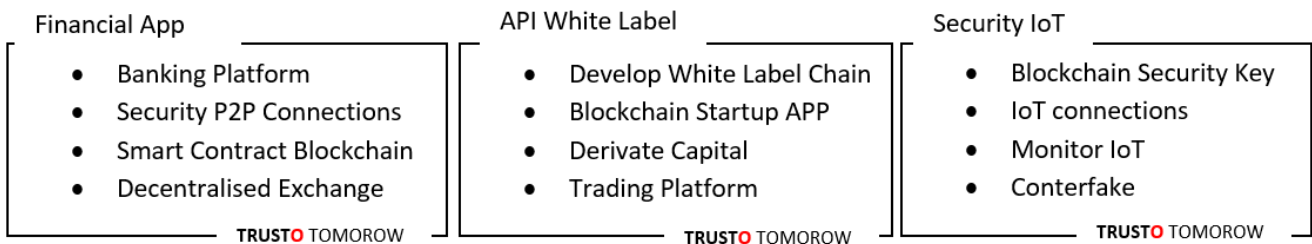
Firstly, what is TRUSTO doing differently?

Performance Management manage the metrics that matter, ensure accountable performance tracking that is meaningful to the entire business. Consumer Insights - TRUSTO Blockchain data assets are the foundation for marketing intelligence the blockchain real values. Let machine learning algorithms deliver customer insights that drive efficiencies and profitability on Marketing Actions - Forget the “data mashing” and manual customer segmentation. Let technology do the heavy lifting and provide you with intelligent customer groupings ready for action. Campaign Management - Managing Digital Marketing tactics can distract marketers from their mission. Let artificial intelligence algorithms do the work while you build the strategies for success. Blockchain is hard to understand, the usability and therefore it’s hard to build your own blockchain project. Also, scaling is a huge issue. Consider the start button at the bottom as where TRUSTO began trying to address some of these problems.

TRUSTO CITY of Blockchain

As the invented TRUSTO ecosystem City above shows, TRUSTO relies on its nodes and a consensus algorithm called Proof of Stake and Proof of Work. And introduce a new consensus in case of fork “People Consensus “TRUSTO provides an incentive for securing the network and, also, provides critical funding for new projects and development inside and outside this platform.

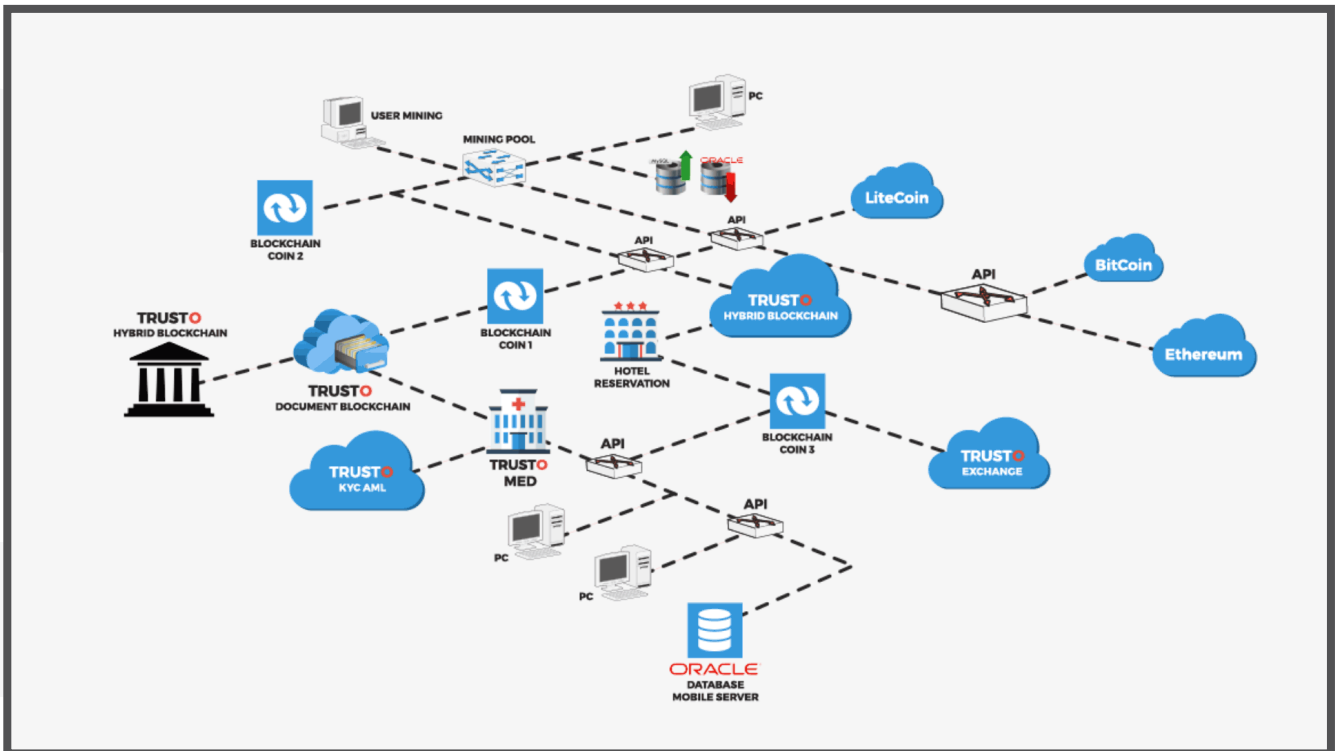
In development stage 2 and 3 of the TRUSTO ecosystem City, we consider to create for developers the new ecosystem for building new platforms/frameworks or applications (Full Development Kit for APP inside the platform) on sidechains next to the TRUSTO mainchain, and secondary can come as similar Blockchain with similar or defend roles inside the same platform.



Having a hard time conceptualizing this? The TRUSTO uses the of their ecosystem as a “community blockchain reward street” and it’s an apt one.

Think of the initial TRUSTO blockchain as an avenue; side-chains are smaller streets and driveways and applications are houses. Developers are the contractors building this city, and they’re incentivized through transactions fees and network rewards. TRUSTO R&D is 35% which can make this amount of investment the way to grow and develop as a platform similar with Android made by Google today.

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Common users are the people who will live in the city and use its infrastructure. Which takes us to steps, where a community starts to grow and developers are paid to help build/populate this new city.

At the very top of the TRUSTO ecosystem City, you have users who will also be rewarded for tracking payments, exchange, document saving and donations. These users will also be attracted by the development of valuable applications.

As the whole ecosystem grows, there will be increasing utility for these types of users. There is some interesting speculation in this vein on Reddit.

If TRUSTO can get more on the more positive side of the network effect, look out!

TRUSTO Community

On the infographic, we have another integral part of TRUSTO: its community applications development

A platform without a community like an empty pub or a discarded tool belt. The scope of TRUSTO is 100,000+ users & developers on 2020 and mentioned in the infographic is, at the moment, speculative. The TRUSTO SDK is still under architecture process and development.

TRUSTO 100 Million users in 2020 for Storage & Exchange of data and assets the groundwork is laid for a flourishing ecosystem, TRUSTO envisions a large group of "sidechain delegates" as part of their community. These people will be developers or promoters of new applications or frameworks and can tap into existing delegate pools.

TRUSTO community delegates who are active users confirming transactions through PoS forging. Similar to TRUSTO mining, these delegates are incentivized to compete against each other to stay in the top and secure are designated Admin's, and to make things faster/more secure.

These agents are elected, through a voting people consensus system, by everyone holding TR and they have a good deal of power in terms of what projects or campaigns receive funding. Voting can be done once or as often as you want (but there is a fee). An exhaustive planning regarding TRUSTO agent voting will become the rule of trust inside the community.

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The TRUSTO platform and community has the potential for epic growth, but it's still early days. To see if its founders can deliver on their promise, more time is needed. There is also quite a bit more to TRUSTO that merits explanation.

Next, we shine a spotlight on TRUSTO's Proof of Stake.

In the crypto world, there are many ways to secure a network. One key differentiation of the TRUSTO platform is that it uses a TRUSTO Proof of Stake (PoS) consensus algorithm. To fully understand TRUSTO, one must get a handle on the how, what, and why of PoS.

In this second article of our series, we'll dig deeper and continue our breakdown.

Let's start at the beginning, what exactly is PoS?

"TRUSTO Proof of Stake (PoS) is the fastest, most efficient, most decentralized, and most flexible consensus model available. PoS leverages the power of stakeholder approval voting to resolve consensus issues in a fair and democratic way".

Why PoS?

You're probably familiar with terms like proof of work or proof of stake. Their existence begs the question: if there already are good consensus algorithms, why is there a need for PoS?

The PoS method was developed in 2014 by Bitshares' lead developer Daniel Larimer, as a response to problems that Larimer foresaw (the whitepaper can be found). Namely, that BitCoin mining was too energy-intensive and that eventually centralization of mining would occur, leading to an imbalance of network control (this is an interesting topic in its own right).

There was also the issue of speed which, due to the PoW method of BTC mining, can be very slow. Larimer designed a new, fast system that addressed these faults.

But how exactly does PoS function? An analogy commonly used to describe it is that of a workplace.

In the world of PoS, all the members of the workplace have a say in who controls that office. If you have an asshole manager or an incompetent CEO, vote them out. In short, PoS offers a layer of technological democracy to offset the negative effects of centralization.

How TRUSTO Proof of Stake Works

Here are the elements that comprise and support this system for the TRUSTO platform.

This infographic may appear complicated at a glance but it's actually simple. The around the perimeter all represent app and entities or dynamics with a simple aim: secure the network and fuel innovation of the blockchain future.

Delegates perform the function of validating transactions. They maintain the blockchain (forging) and take transaction fees as profit. Estimates indicate that forging can get a user up to 12k TRUSTO per month for an investment of 60K.

TRUSTO Representatives also play an important role. They take care of community members on a more local level and give technical support if needed. They also promote the TRUSTO ecosystem with its decentralized applications and custom blockchains. TRUSTO recently expanded its TRUSTO representative program.

In the spirit of a truly open source project, anyone can draft a proposal for TRUSTO and share it with the community. Campaigns are subsequent actions taken based proposals whereby community members are paid for their contributions.

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Projects are generally higher-level undertakings, where an elected delegate proposes ideas and developers take the idea to build useful apps, scripts or tools for the community. Representatives and agents are voted in and many reached their positions by contributing to the community through proposals, campaigns, and projects.

As the network grows, more people join and it becomes harder and harder to be a delegate. This competition drives people to provide even more value to the TRUSTO community. Built into all of this is reward sharing based on the token TC. Many delegates have preset allocations of their rewards distributed to drive growth in the community as a whole.

Additionally, all members of the TRUSTO community have an incentive to vote (weighted by total currency held) for good representatives, improve the system and promote it. They also have an incentive to give bad delegates the boot. This incentive is an increasingly valuable TC asset. Every system has its pros and cons. The democratically-intended symbiosis of TRUSTO PoS has shown efficiency that allows for lower fees, fast confirmations and the potential for increased profitability. Conversely, by concentrating the role of validation in a smaller number of hands, it may be less decentralized and less resilient. It's also subject to voter apathy; without a large number of engaged users, the system will not function as intended. As with all things TRUSTO, huge potential can be seen on the horizon but whether or not it will be realized is yet to be seen.

Features	TRUSTO	BITCOIN	ETHEREUM	RIPPLE
Public decentralized network	YES	YES	YES	NO
Basic smart contracts	YES	YES	YES	NO
Touring complete language for describing smart contracts rules	YES	NO	YES	NO
Transactions speed (TPS)	1500	7	15	1500
Consensus protocol	Hybrid Pos+PoW	PoW	Pow	N/A
Immutable state smart contracts code	YES	NO	NO	NO
Automatic theorem prover - assisted proof of the correctness of smart contracts	YES	NO	NO	NO
Transactions validation based on cross blockchain conditions	YES	NO	NO	NO
Cross chain smart-contracts functionality	YES	NO	NO	NO
100% decentralized exchange	YES	NO	NO	Only XRP to Fiat
Token hosted in other blockchains	YES	NO	NO	NO
Supports creation of other tokens to be run over the blockchain	YES	NO	YES	NO

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Organizational Background, including the expertise and experience.

We have accumulated experience and considerable insight in the review of more than 700 projects – each of which was specifically selected and designed to respond effectively to our developers most significant strategic and operational challenges.

Our key areas of expertise include:

Corporate Strategy - TRUSTO can efficiently assist developers to strengthen and to execute effective strategic processes in a corporate environment. TRUSTO's expertise in corporate governance, corporate added value and portfolio strategy helps our developers take a comprehensive approach to optimizing synergies and resource allocation.

Business Competitive Strategy - TRUSTO's business strategy expertise helps our developers identify and develop competitive advantage, determine priorities and which competitive battles they should engage in and which business models they should implement.

Growth & Globalization - TRUSTO's growth and globalization experience, across industries and markets, allows developers to create a competitive edge with respect to the global giants while leveraging selected strengths to gain advantage over locals.

Business Development - We regularly assist our developers in successfully entering an additional area of activity that will bring significant economic benefit to the organization by choosing quickly and accurately the optimal path from the variety of options and vehicles available.

Organization & Culture - Responding to external threats or opportunities often requires fundamental changes. Dealing with change – and, often, transformation - is a major challenge for companies and organizations. TRUSTO has the breadth of experience to provide substantial support to establish collective, and effective, adaptive processes.

OUR FOCUS

At TRUSTO Labs, we have adopted a futuristic approach and like to push the boundaries of what's possible. We like to know more about what the world doesn't yet know. We have a passion for the "what's next" in technology and bringing these concepts to reality. Our focus is grounded in the future of machine learning, decentralized control, autonomy, and augmented reality.

The world is rapidly changing and these new technologies will be major industry disrupters. We choose to be a participant rather than a spectator.

TRUSTO Data Science

Our data science consulting specializes in agile and business-focused solutions. At our core we offer advisory services, data engineering, and data science. We can help developers create roadmaps and designs for new capabilities, analytics, platform architectures, prototyping, building and deploying data pipelines, extract actionable insights from developer's data.

TRUSTO Blockchain

We are your end-to-end partner of blockchain solutions from the initial exploration to business case construction, design, architecture, and development. Our expertise in blockchain technologies includes a wide range of solutions such as Smart Contracts, Public and Private blockchains, Risk and Compliance solutions, Peer to Peer transactions, Fraud prevention, intellectual property protection and, most of all, creating value networks. We build solutions utilizing microservices enabling a suite of independently deployable, small, modular services. This results in a highly mobile solution able to rapidly adapt to ever changing business needs. Our infrastructure and DEVOPs solutions automate the build and deployment process vastly speeding up the time to market.

TRUSTO ICO 3.0

By the year 2020, more than 100 million users will utilize TRUSTO Blockchain in their daily interactions with modern technology, whether it be in Public or in Private. Blockchain is the future. Let TRUSTO get you there with confidence and trust.

TRUSTO PLATFORM Ecosystem give the way to Enterprises to rethink the traditional role of transaction logs, their associated storage, and analysis. Typically, logs have been kept on the server in files and compressed archive formats. They have been kept in ORACLE, SQL databases or NoSQL document stores. These storage schemes, however, are insufficient for non-repudiation, vulnerable to tampering and lack transparency. For complete, end-to-end certainty, and legal non-repudiation, tamper-evident and auditable transparency -- you simply can't beat the blockchain and biometrics pairing.