Latest information regarding the
B2E Blockchain & Distributed
Technology Service Offering

BLOCKCHAIN & DISTRIBUTED TECHNOLOGY SERVICES

For improving your value chain

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BLOCKCHAIN & DISTRIBUTED TECHNOLOGY OVERVIEW

"Blockchain technology allows flow of transactions across multiple parties, with data being intrinsically secure and easily auditable for transactions."

Blockchain uses the combination of Cryptographic hashes & distributed ledger technology to store a list of transactions since day zero on a distributed network of computers.
There is business logic also stored on the distributed ledger which can be automatically executed, provided the conditions are met.

It is a secure tamper-proof mechanism with time stamped cryptographic hashes to provide authentic, trusted governance to systems on a peer-to-peer basis.

Blockchain has been present for years, since 1970s. The latest development of the Cryptographic hashes, used in Bitcoin, provided the facility to provide a more widespread applications, not only in crypto currency, but also for secure enterprise B2B solutions, at scale.

TYPICAL CHALLENGES

There are a vast array of areas where Blockchain can provide benefit. Here are some examples to consider:

Supply chain - Data Accuracy
A freight forwarder will want core data elements all on a shared ledger, which give common immutable information to all parties on the data properties of the freight. It also allows regulator bodies (say like customs) assurance that there has been no external tampering with key data such as address, goods description, weight etc.

Finance - Speeding up of transactions between multiple parties.
In the financing part of on asset, there will be several players (e.g. bank, lessor, customer, insurance company, government authority etc). They all need certainty that the assets location and key data on that asset is correct at all times. A block chain ensures a single source of truth for all transactions. A single version of data reduces resources spent on data inaccuracy, data validation and aligning systems.

Asset Maintenance – Transaction tracking between different players
In the asset maintenance process, there are multiple players (asset owners, maintenance staff, sub-contractors, banks, government institutions, transporters etc.) who want to have the most up to date asset life-cycle information and to avoid duplicate data on the asset. Impairments of assets can be a major surprise to organisation. Having a blockchain process would reduce surprises and provides assurance that the asset management process is working well whilst ensuring seamless introduction of new parties.

Outsourcing - Transaction Optimisation
Many large organisations have a high level of outsourcing. This is where work might pass between multiple partners and need to be tracked, revision-controlled and easily audited/verified.
Blockchain technology can allow the company to have multiple outsourcers or even allow them to deliver the same work based on a set of immutable business rules. This means the choice of provider can be expanded without having to build added costly quality management processes.

UNIQUE SOLUTIONS

In modern times, innovation is imperative for any organisation.

For example, a large service provider may be using legacy infrastructure or services. This means investment, in expensive new technology products, large migration projects, and user disruption.
This in turn involves training, and development of resources, including new hires.

This is an extremely risky and expensive undertaking for most large organisations.

How B2E can help:
B2E are able to de-risk this process, by providing specialists who know what tools and processes are needed to deliver this change.

B2E's mission is to work with your existing teams to produce the most innovative solutions in your industry.

1. B2E investigates and analyses your organisation's existing strategy, to see how best to augment it with Distributed Ledger Technology and how it will add the most value.

2. B2E spends time, working with your teams, to discover the in-depth understanding of your business systems, and where and how it can be augmented with Distributed Ledger Technology

3. B2E aids your team to develop the solutions using DevOps in the cloud to integrate with your existing systems

4. B2E provides introductions to consortia / industry groups that could provide joint ventures of value to your organisation

5. B2E uses Inter-Organisational Distributed Ledger Technology to provide value to the entire ecosystem.

Ketan Varia is a B2E Consulting Principal working on the Blockchain & Distributed Technology Service Offering. He has spent 20 years working in the consulting industry including design and implementation of large-scale IT Change Projects. He is an expert at improving complex business processes and managing operational change. Ketan has written a book on business change management that has had excellent reviews. Ketan has delivered change projects for several global organisations, including Caterpillar, EMI Music, Hertz Cars, Barclays Bank and ADP. He has worked in 11 countries including Brazil, Sri-Lanka and Australia.

Aruna Koya is also a B2E Consulting Principal working on the Blockchain & Distributed Technology Service Offering. is on the Blockchain Council, and is a Blockchain Certified Expert. Delivering green field and cutting-edge projects for the past twenty years in enterprises such as Thomson Reuters, Atos Origin, & Nokia, she has lead global Technology teams, in the fields of SRE & DevOps & is an Agile methodology practitioner. Department Head & Delivery related roles,
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Service Offerings at B2E Consulting are supported by our community of over 20,000 high calibre, expert consultants, many with Blockchain experience. Our scale means that we are able to build teams of genuine SMEs to help support client initiatives.
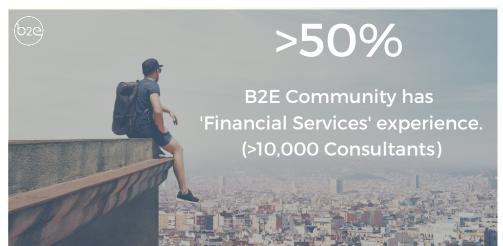
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