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Blockchain: The New Line of Defense



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Cybersecurity Solutions Architect for Enterprise & National Level Projects for Kaspersky Lab Middle East, Turkey & Africa, Engaged with big and national organizations (like CERTs) to build their Cybersecurity competencies on a national and wide-scale level..

Independent Expert for the Cryptocurrency & ICO related business issue since 2017, including & not limited to: Blockchain Projects Analyst, Independent ICO Expert, Advisor - Strategy and Growth, ICO Strategy Advisor & Consultant, Expert (analyze, review & rate ICO's),

- Member in many of Blockchain specialized organizations like:
 - □ Assosiate Member: Government Blockchain Association
 - Blockchain Technical Advisory Board Member: GSDC Global Skill Development Council
 - □ ICO Expert & Advisor: Coin Governance System
 - □ ICO Advisor & Projects Analyst: ICObench

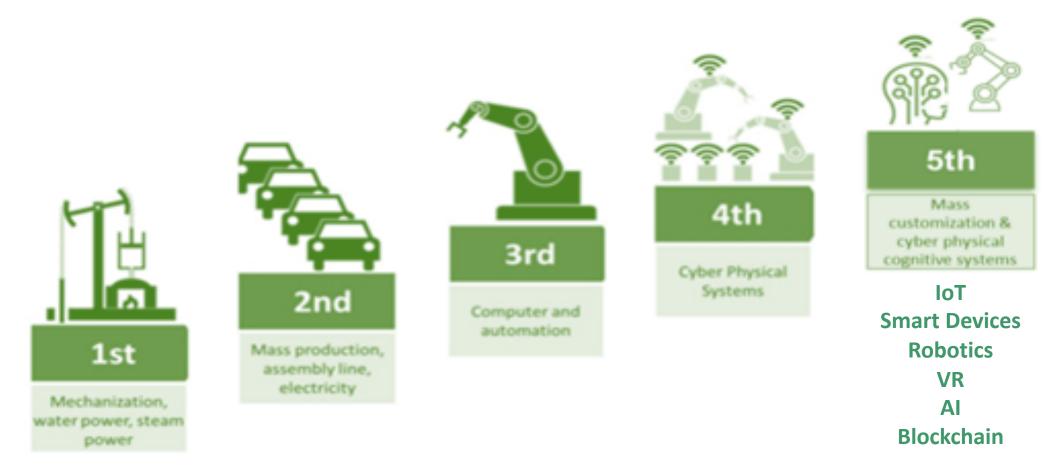




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The World in 2018 & the Future

INDUSTRY 5.0 – Mass Customization of Customer Experience through Blockchain



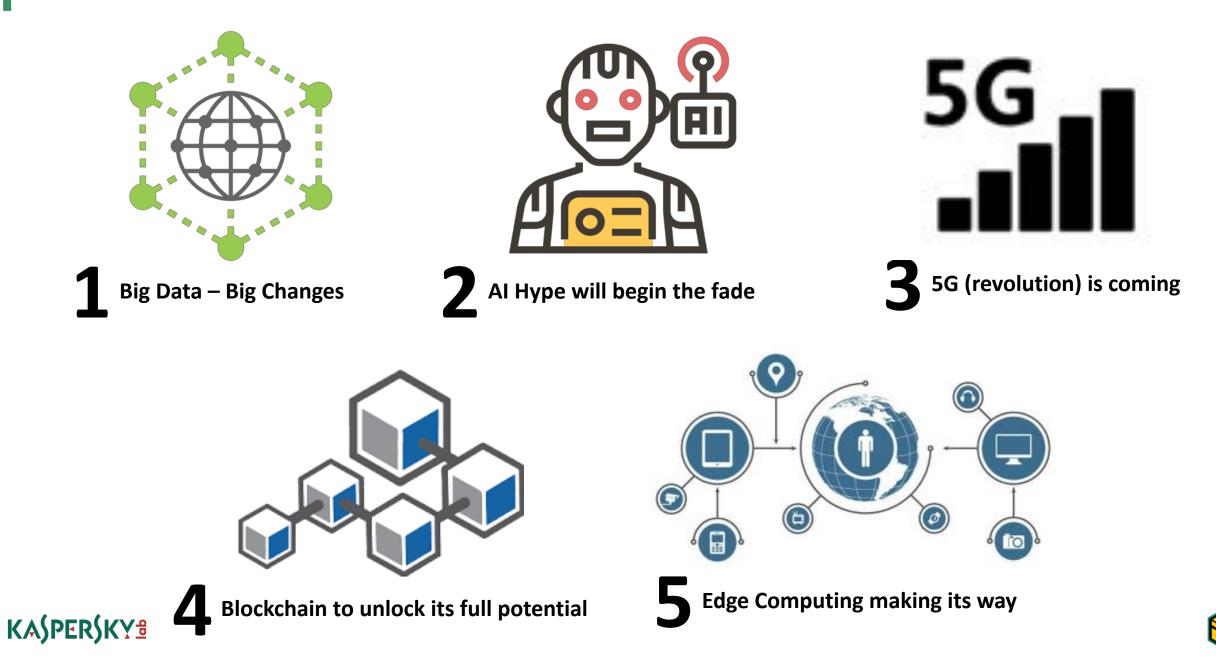
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The Future of Business



Top 5 Trends shown in 2018



Main Drivers for Digital Transformation?

Blockchain

A decentralized Ledger of all transactions in a network aimed to increase security, reduce cost, decrease transaction time & increase transparency all while eliminating the need for a trusted third party

Artificial Intelligence

Intelligence exhibited by machine that mimic cognitive functions to perceive it's environments and take actions to maximize a certain goal

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Cloud Technology

Cloud Technologies are providing greater flexibility for the workforce, improved productivity, border insight, & higher efficacy at lower costs as compared to on-promise solutions

The Internet of Things

Allows different devices to send and receive data enabling better connectivity, & data processing & Analytics

Robotics Process Automations

Allows for deployment of a Digital Workforce by creating virtual human being to manipulate existing software applications

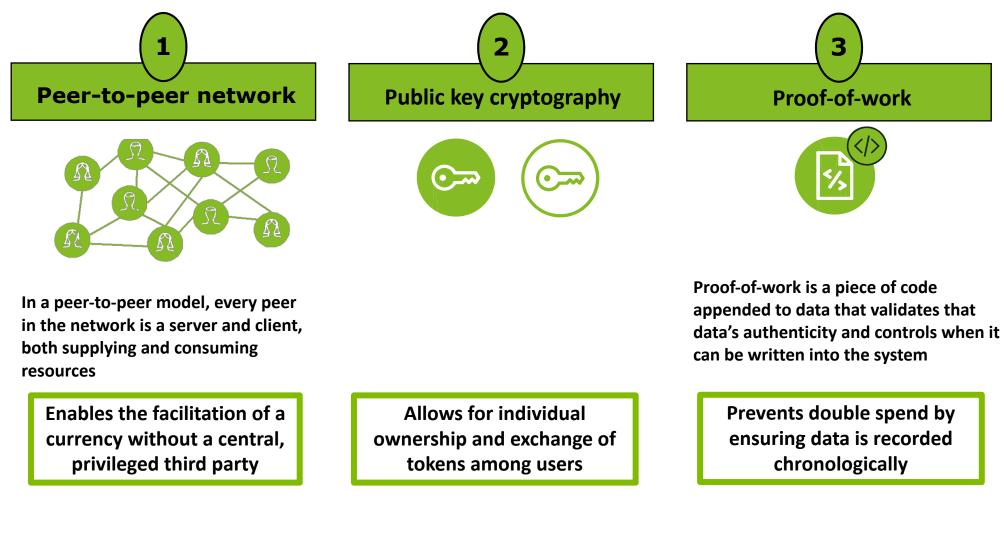


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So What is Blockchain ?

Three Innovations Laid the Groundwork for Blockchain's Invention





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Blockchain myths & facts

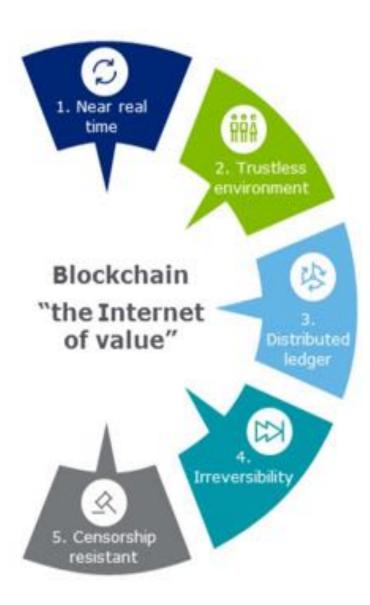
Bitcoin	Blockchain is Not Bitcoin	
	Blockchain is Not an Enterprise Database	 Vast amounts of information that require absolute privacy within a single organization is meant to be stored in an accessible location for viewing / querying (i.e. an enterprise database) Instead blockchain is designed to record specific transactions and data events that are meant to be shared across a network of parties with a need for transparency and collaboration
	Blockchain Security Does Not Mean Inherent Data Privacy	
Ω≡	Blockchain is Not Always Public	 A public blockchain is available for anyone to add to, and participate in the consensus process which is to determine which data blocks are valid and should be added to the chain A private blockchain contains permissions stipulating the ability to view data, add to the chain, and participate in the consensus process

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What is Blockchain?



Near real time

The blockchain enables the near real time settlement of recorded transactions, removing friction and reducing risk, but also limiting ability to charge back or cancel transactions.

Trustless environment

Blockchain technology is based on cryptographic proof, allowing any two parties to transact directly with each other without the need for a trusted third-party.

Distributed ledger

The peer-to-peer distributed network records a public history of transactions. The blockchain is distributed and highly available. The blockchain retains a secure source of proof that the transaction occurred.

Irreversibility

The blockchain contains a certain and verifiable record of every single transaction ever made. This mitigates the risk of double-spending, fraud, abuse, and manipulation of transactions.

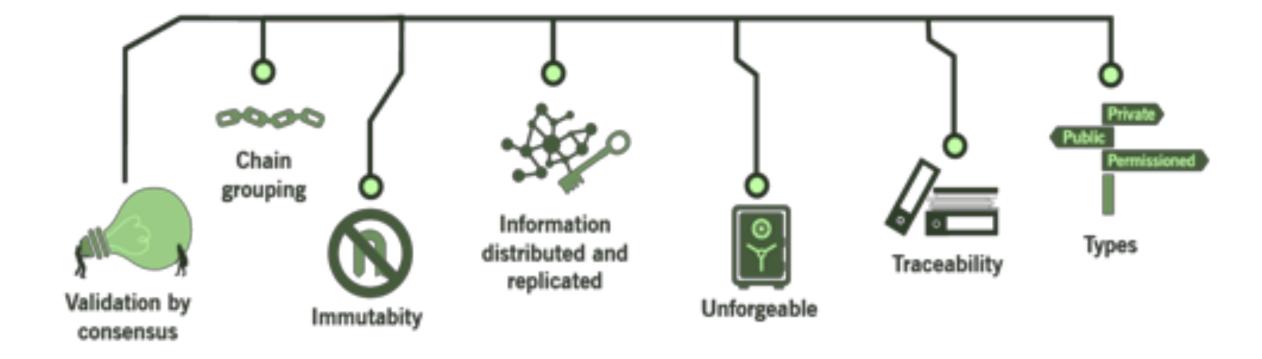
Censorship resistant

The crypto-economics built into the blockchain model provide incentives for the participants to continue validating blocks, reducing the possibility of external influencers to modify previously recorded transaction records.





Main Blockchain features



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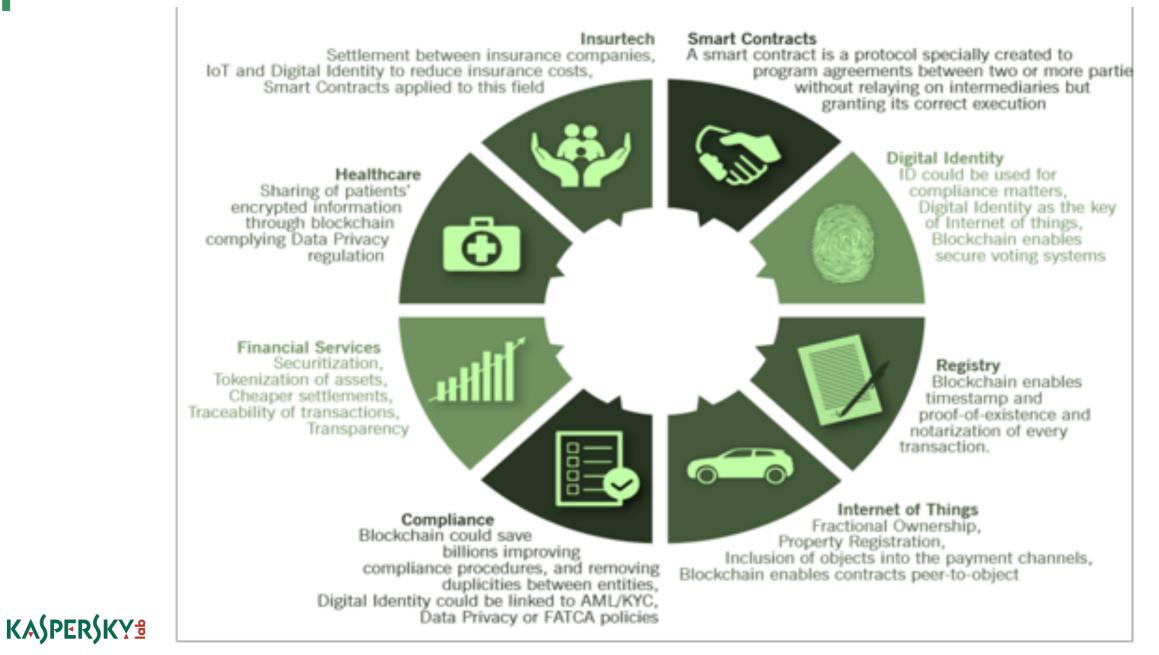
Reasons of selecting Blockchain for your business



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Non-financial uses of distributed ledgers





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What does Blockchain mean for IT & CyberSecurity ?

(1) Database Security

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The 7 Biggest Problems in Data Storage

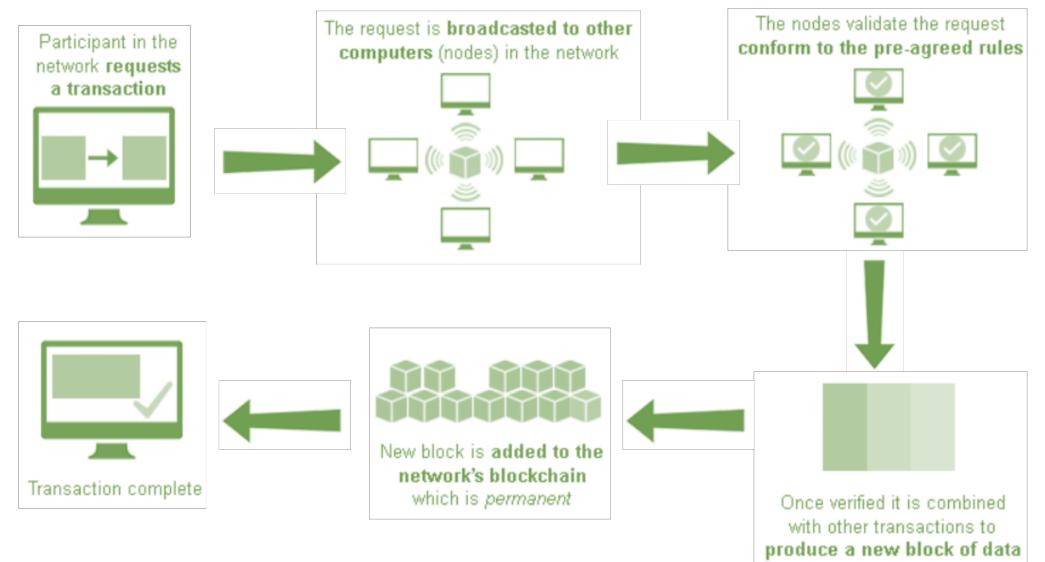






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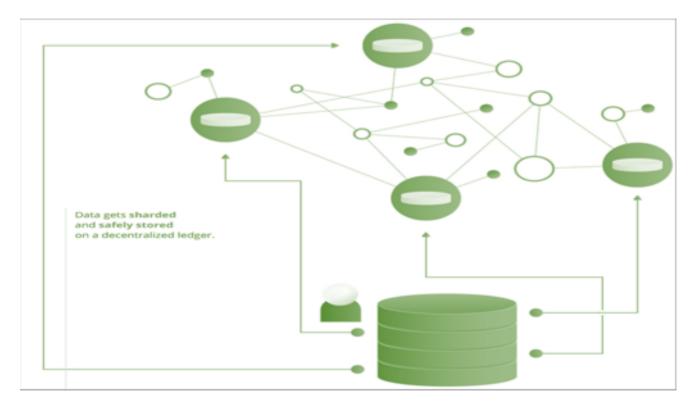
How Data be added or updated in Blockchain ?





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4 reasons blockchain technology is exciting for Data storage



- 1 2 3 4
 - The potential cost savings
 - A harder-to-hack system
 - Automation through smart contracts
 - No point of failure





All a



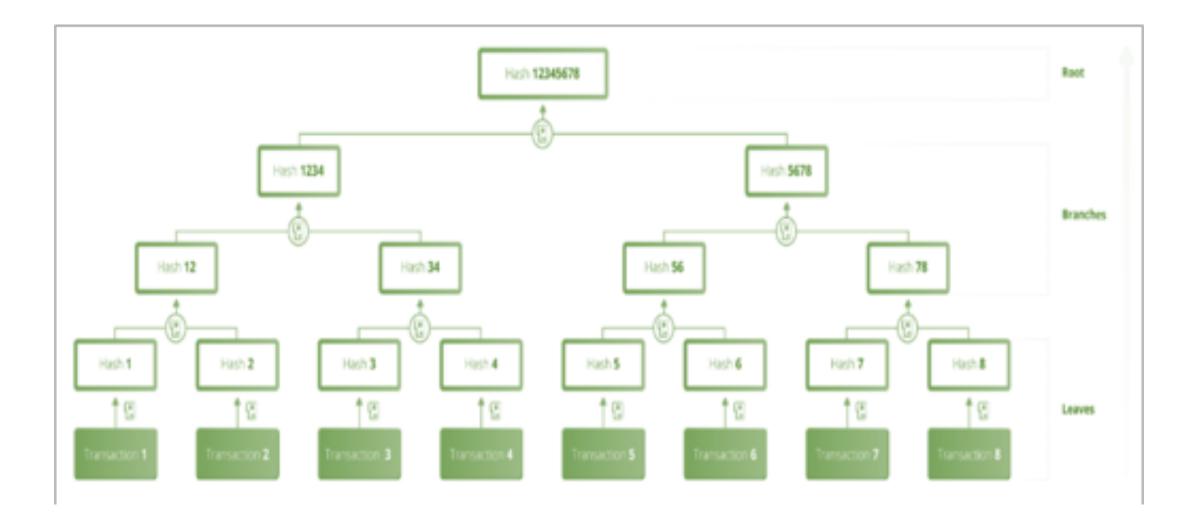
Securing Data with Hashing



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Merkle Trees



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\mathbb{A} z (3) Cyber Security KASPERSKY THE POWER OF PROTECTION

3 Reasons Blockchain Is Exciting for Cybersecurity



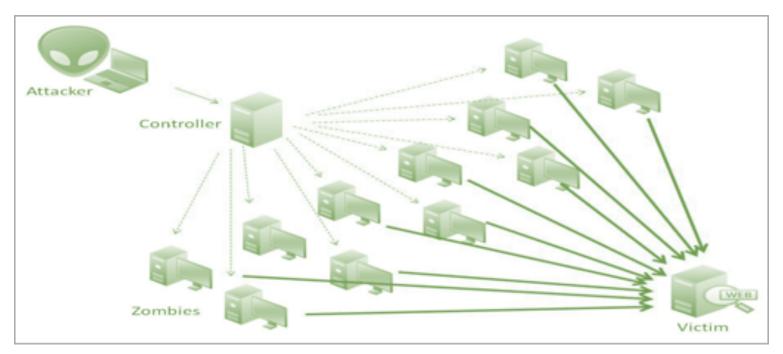
Blockchain can help prevent access fraud



Blockchain can help deter certain cyberattacks



Blockchain can make it harder to tamper with data

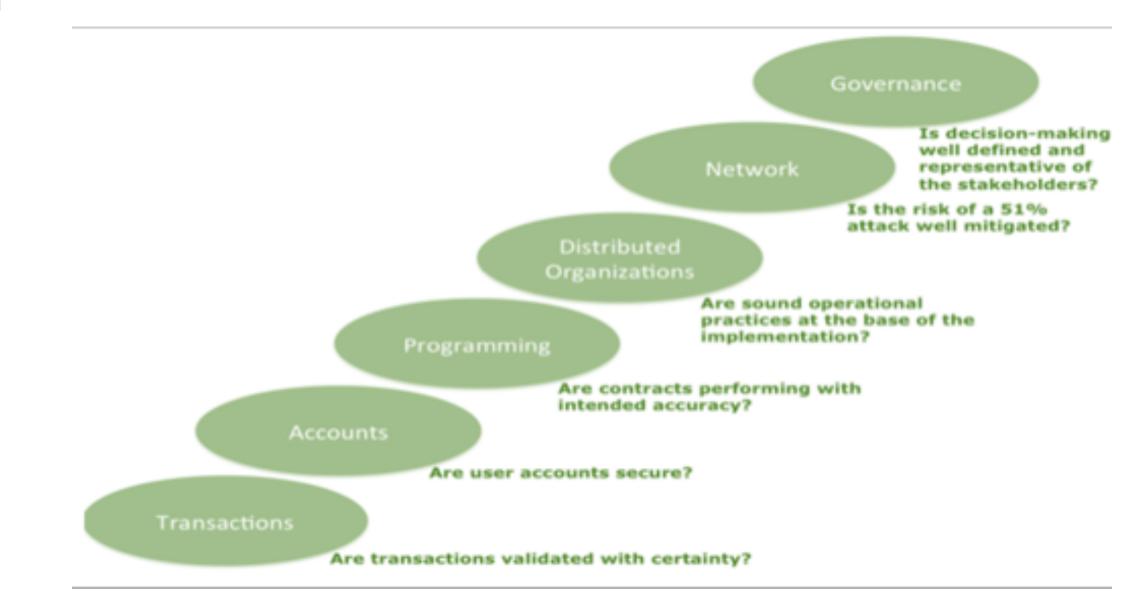






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Blockchain Security Layers

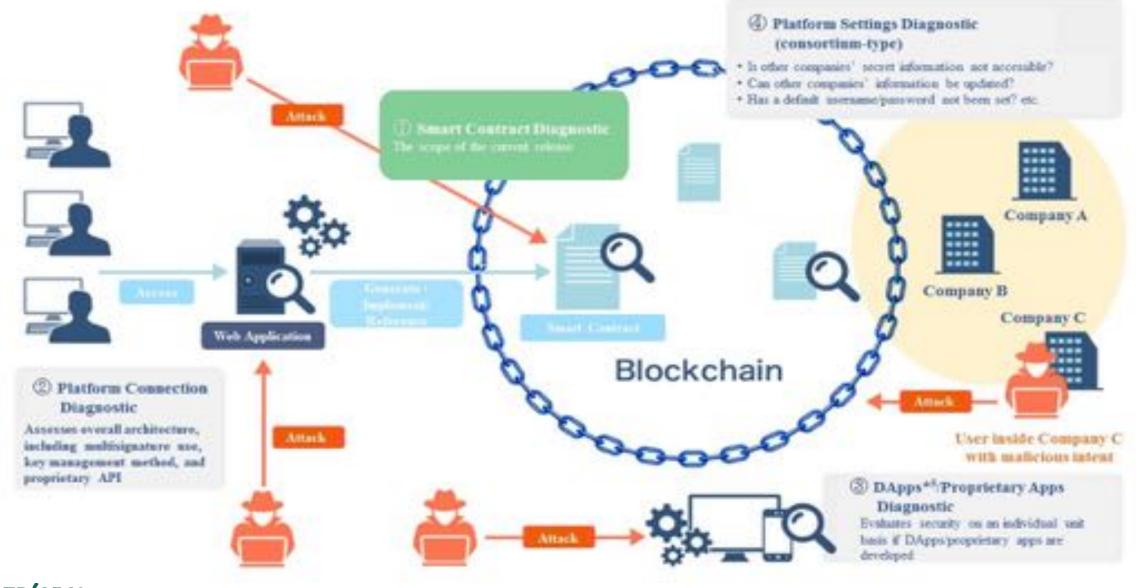


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5 Blockchain Security Risks and How to Reduce Them ?



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That's What Make Blockchain Important in each business?



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