

BLOCKCHAIN USE-CASES

Blockchain - Day 40

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S.No	Industry	Use cases	Type of Blockchain	Need of Blockchain
1	Travel and Transportation	Tracking Luggage	Consortium	<p>Travel: The decentralized aspect of the blockchain conforms that any data that's once fed can never go 'offline' or get lost through any accidental deletion or due to any cyber-attack. By making the transactions traceable, blockchain use cases in travel have made it disruptive and safe. provide a global ledger to secure bank payments, enable travel companies to accept payments using cryptocurrencies.</p> <p>Transportation: Blockchain in public transportations helps record transactions, identify & establish "smart contracts" that are increasingly M2M-connected with technologies such as autonomous driving, wireless EV-charging, electronic toll collection systems etc.</p>
		Identify Services	Public	
		Secure Bank Payments	Consortium	
		Invoice Settlements	Private	
		Driver HOS(Hours of service)	Consortium	
		Electronic Toll Collection	Public	
2	Supply Chain Management	Supply Chain Finance	Consortium	Blockchain technology applications add greater visibility to the supply chain industry processes and help the entities boost efficiency across the entire supply chain, thereby helping them yield higher customer value and stronger trading relationships. Blockchain technology services ensure secured and smooth business transactions. They also strengthen trading relationships by integrating the business with robustly secure networks on blockchain both at local and global alike.
		Maintenance Tracking	Consortium	
		Provenance	Consortium	
		Supply chain Compliance	Consortium	
3	Food Industry	Traceability, Quality, and Certificate	Public	<p>Blockchain makes a supply chain more transparent at an all-new level.</p> <p>It allows specific products to be traced at any given time, which would help to reduce food waste. For instance, contaminated products can be traced easily</p> <p>Data-sharing between disparate actors in a food value chain. Many retailers have sold fraudulent food products unknowingly. With the use of blockchain, those days could come to and end.</p>
		Commodity Management	Consortium	
		Financial Solution	Consortium	
		Data Sharing	Public	
4	Insurance	Claims Processing	Consortium	Blockchain in insurance ensures improved multi-party contracts. The blockchain technology applications help streamline risk contract efficiency & claims adjudication. They also reduce disputes with the transparency of shared data.
		Asset Usage History	Consortium	
		Claims File	Consortium	
		Risk Provenance	Consortium	
5	Gaming	Peer to Peer Gaming Transactions	Consortium	Tokenization of virtual goods, improving betting as well as payments are just a tip of the iceberg of the many benefits that are expected and as the Blockchain technology evolves, it will revolutionize the gaming sector further.
		In Game Virtual Items to Digital Assets	Public	

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6	Automobile	Service appointment booking & maintenance service. Automated fuel payment process Dynamic and real time data based car insurance	Public Consortium Consortium	Blockchain applications will help to facilitate ride-sharing services & shared autonomous systems, monitor, manage and control devices remotely, create new actionable insights from real-time data. They will also assist in on-demand manufacturing, smart prognostics, supply chain traceability & resolving ownership issues.
7	Gift Card and loyalty programs	Loyalty tokens Rewards applications Loyalty network platform	Consortium Public Public	Blockchain is able to streamline execution and administration of loyalty rewards programs, giving all participants near-real-time transparency, within the permissioned constraints of the program provider, which taken altogether should result in significant future cost savings that we believe will pay for the design and implementation of a blockchain-based loyalty rewards program.
8	Government and public records	Legalization records Digitized ID's Taxation Security and safety Legal enforcements	Private Consortium Consortium Public Public	Building trust with citizens: Blockchain-based solutions are transparent through decentralization, allowing participating parties to see and verify data. Protecting Sensitive Data: Blockchain startups to conduct research and development and explore new approaches to cybersecurity. Reducing costs & Improving efficiency: blockchain solutions could reduce redundancy, streamline processes, decrease audit burden, increase security, and ensure data integrity.
9	Ecommerce	Peer to Peer payments Verified Customer Reviews Optimized Supply Chain Management Access To Trustworthy Product Information	Consortium Public Consortium Public	Blockchain unlocks outstanding opportunities for retail and ecommerce businesses. This advanced technology has the power to revolutionize the entire industry, leading to higher transparency, credibly, security, and cost-effectiveness. Not only can it bring a business to a whole new level, but also add more value to end-customers.
10	Finance	Share Trading Cross border payments Loans & Mortgages	Consortium Consortium Consortium	Creating a decentralized and secure ledger, a blockchain giving every party a say in the validation of a transaction, speeds up the settlement process, allows for greater trade accuracy, and can cut out more middlemen. The transfer of value across-borders (whether goods or payments) has always been an expensive and slow process. Blockchain is able to speed up, simplify, and reduce the costs significantly. Smart contracts could automatically verify land ownership and interface with various stakeholders such as legal and tax departments

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11	Energy Management	Peer-to-peer Energy Trading	Consortium	Speaking at a broad level, residents with solar panels sell their environmental credit to residents without solar panels through a mobile app. Buyers and sellers can negotiate the price of electricity directly, thereby eliminating intermediaries.
		Application of Blockchain for Wholesale Trading Through Regional Mini-grids	Public	Enables direct and transparent renewable energy procurement
		Financing Energy Access	Public	It enables anyone in the world to purchase solar panels
12	Banking	Digital Identity Verification and other use cases are similar to finance	Private	The customer manages the sharing with banks directly, thus the customer becomes the utility
13	Retail	Preventing fraud and counterfeit goods	Consortium	Blockchain technology and its ability to assign unique identifiers to each product is expected to provide unprecedented security in identifying counterfeit items in the supply chain, as well as immediately and cheaply rejecting fraudulent returns.
14	Real Estate	Decentralized Digital Record	Public	Title Transfer Transparency.
15	Identity	Digital Identity	Public	Blockchain identity management systems could be used to eradicate current identity issues such as: <ul style="list-style-type: none"> • Inaccessibility • Data insecurity • Fraudulent identities
16	Health Care	Interoperability	Consortium	Blockchain-based medical records is their ability to enhance interoperability among clinics, hospitals, and other health service providers.
17	Media and Entertainment	Digital Rights	Public	Digital rights are susceptible to both fraud and hacking, and are notoriously hard to police due to lack of transparency.
		Paying Artists Fairly	Consortium	can ensure artists are paid exactly as contracted and in a timely manner, as contracts are automatically executed by predetermined.
18	Agriculture	Overseeing Farm Inventory	Public	Utilizing a decentralized ledger on the blockchain that is easily accessible for all players in a given operation will provide more seamless communication regarding what needs to be done