

Secure Trust, Protect Assets, Implement Blockchain

Benefits of Permissioned Blockchains:

- Create an Ecosystem of Trust
- Authenticate Transactions
- Secure Information
- Drive Efficiencies
- Savings of Time and Investment
- Improve Transparency
- Prevent Fraud

Blockchain is poised to change the way we trust and transact in a peer-to-peer setting by allowing participants to share records securely and transparently. Some technology pundits are even predicting that blockchain has the power to revolutionize the way data and value are exchanged throughout the world. Blockchain may in fact be the next evolution of securing and simplifying citizen interactions and data exchange.

While some technology-forward government organizations are investigating blockchain and beginning to implement proof of concept projects, others are wondering what exactly is blockchain and how can it be used for the betterment of government? As the volume of data increases astronomically, security threats in traditional centralized systems continue to grow. Transactions and the supporting technologies have become more global and complex. In public sector, the ability to record transactions on distributed ledgers offers new approaches for governments to improve transparency, prevent fraud and establish trust.

What is blockchain?

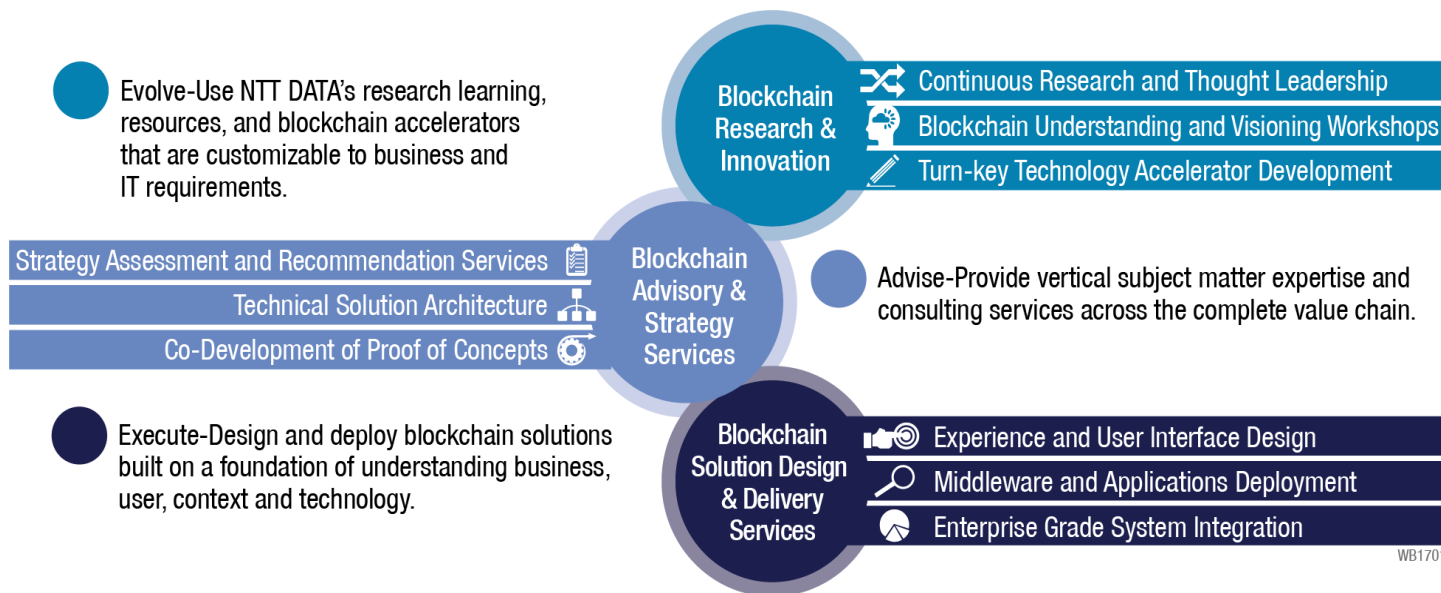
A blockchain is a type of distributed ledger that stores a continuously growing list of records, called blocks. These blocks are linked and secured using cryptography. Each block of records is 'chained' to the next block using a cryptographic signature or hash. With the cryptographic link, every new block references the previous block, and includes a timestamp and transaction data. This improves the security of the distributed ledger and makes additions, alterations, or deletions extremely difficult if not impossible to hide.

On the horizon, we can see several use cases unfolding for governments. For example, contract and tender management, asset & property ownership, copyright, ip and patent rights, secure vital and academic records management and many more. Some of these applications are already a reality now.

NTT DATA is one of the early adopters of blockchain. We believed in the promise of this technology and had the foresight to demonstrate the value for our customers. We hold a unique place among blockchain and advisory companies with a combination of strong entrepreneurial advisory services, thought leadership in the field, and, most importantly, experience with the implementation of mission-critical technology solutions.

Why NTT DATA?

NTT DATA is an innovator in blockchain. Since 2014 we have been piloting and refining our distributed ledger capabilities. Through foresight, investment in innovation and valuable lessons learned with early adoption, NTT DATA is able to offer the following services:



WB1701

NTT DATA is exploring blockchain in the context of intelligent automation, Internet of Things (IoT), and others. We provide our business and technology solutions as accelerators to our customers. We strive to remain ahead of the leader curve in emerging technologies and innovation. This enviable position allows NTT DATA to deliver services and stand as a leader in the industry. Some of the highlights of our blockchain capabilities include:

- Independently rated by Horses for Sources Research as the most innovative company for blockchain services
- Having the NTT DATA Public Sector CTO appointed to the State of Illinois Blockchain Taskforce
- Contributing as a member of the American Council for Technology and Industry Advisory Council (ACT/IAC) Blockchain Working Group
- Being one of the earliest members of the Hyperledger Project, an open-source distributed ledger collaboration project
- Having a Global blockchain Center of Excellence with a strong regional presence in the United States, Peru, Japan, Spain, Germany, and Italy
- Acting as Subject Matter Experts in speaking engagements at various conferences including Gartner and Texas Association of State Systems for Computing
- Displaying experience with Ethereum, Hyperledger Fabric (0.6 and 1.0), Corda, Solidity, Eris and other technologies in the blockchain ecosystem

Visit nttdataservices.com to learn more.

NTT DATA Services partners with clients to navigate and simplify the modern complexities of business and technology, delivering the insights, solutions and outcomes that matter most. As a division of NTT DATA Corporation, a top 10 global IT services and consulting provider, we wrap deep industry expertise around a comprehensive portfolio of infrastructure, applications and business process services.

NTT DATA