

Access to Public Benefits, Schemes and Utilities

Overview:

A solution is required that can improve government services, ensure trust, serve citizen needs, fight fraud and help meet compliance demands through trusted, immutable records. Government agencies provide services—from issuing identification to registering property, administering public elections and enforcing laws—that require deep trust from citizens. Earning that trust requires meticulous data stewardship; efficient, permissioned data sharing and authentication; and carefully crafted privacy protections.

Current Challenges:

- Data architects, administrators and privacy officers must protect citizens' personal information, yet keep vital information accessible when needed.
- Scale complicates life for government administrators, the vast scope of mandated services, and the huge workforces needed to provide them, open the door for fraud, waste and abuse— and invite simple but significant errors in vital public records.
- Limited visibility in supply chains within large-scale government purchasing systems can lead to waste through over-ordering—or failure to meet critical needs because of unanticipated shortages. Late delivery can lead to significant losses across the range of government services, from military operations to municipal services.
- Asset Registration's (real estate as well as personal property) suffer from slow, duplicative processes and a reliance on error-prone, incomplete and manual data entry.
- Fraud, information privacy abuse and accidental data exposure plague government data transactions.
- The financial and personnel costs of providing rigorous identity services, are enormous and the processes are inefficient.

Business Requirements

- Track an object's precise location within the supply chain, and its accompanying immutable digitized documentation, reducing uncertainty and increasing your ability to plan for infrastructure needs, even with lean budgets.
- Link asset ownership to other attributes in such a manner that government agencies gain operational efficiency and also gain deeper citizen trust in publicly held property records, without disrupting existing registry data but digitizing it.
- Increase process efficiency through intelligent workflow design and data aggregation, especially for data shared across agencies.
- Enable Government agencies to create a single, trustworthy collection of identity and authentication documents, which would reduce time spent reconciling data conflicts and minimizing the steps citizens need to take.
- Allow advanced, automated smart contracts to help govern processes and business flows that are agreed upon by the consensus network.
- Leverages advanced cryptography to create permissioned records, ranging from personal identification to registered property transactions, available to authorized members of the blockchain network such as tax authorities or other government agencies.
- Help government leaders and agencies confidently create a framework of linked data records—an immutable ledger—that preserves vital information in a distributed, highly available form based on trust and transparency, even at the largest scales.