



NS2 LABS



BLOCKCHAIN DATA PROVENANCE

With so much data to process, decision makers today lack information visibility. Distribution systems are complex, and the provenance of data and critical supplies is nearly impossible to trace. Decisions are often made based on information that is surrounded by unknowns.

TRACKING

Blockchain delivers a single version of the truth. Each transaction is recorded in a secure, tamper proof, time-stamped ledger that is held by each party.

SHARING

Data and the transaction ledger are shared and saved within a web of computers and entities. Each transaction is linked to previous ones and data is encrypted.

SECURING

Eliminate unknowns and improve situational awareness. Understand where data originated, how it was derived and if it was manipulated along the way.

Securely access and share trusted information and assets

NS2 Blockchain can provide your agency with an out-of-the box, secure information pipeline. It delivers in-depth data provenance by tracking and passing a historical record for each piece of data. This validates and safeguards your valuable information against corruption and tampering, to support the most critical decisions.

NS2 Blockchain can also be used for supply chain tracking. Track the movement of equipment and components to ensure the authenticity of critical assets. SAP blockchain-as-a service, is widely used in the retail sector for source verification and distribution tracking.



NS2 Blockchain Services Key Benefits:

Decentralized Services

- Code smart contracts to perform functions when specified conditions are met.
- Exchange data between objects and mechanisms to automate remote systems.
- Establish peer-to-peer nodes to securely collaborate and share intelligence.
- Securely distribute how your key data is stored—within and outside of your firewall.

Transparent Tracking

- Access, monitor, and verify digital asset, equity and information transactions.
- Digitally timestamp date and location to verify origination and history.
- Develop secure inter- and intra- agency digital identity standards.
- Identify the provenance and track the movement of all components and equipment.

Tamper Prevention

- Verify the authenticity of distributed signal and systems intelligence.
- Authenticate and secure your entire data supply chain.
- Establish a continuous process of checks and balances to safeguard data and assets.
- Seamlessly analyze and scrutinize an entire chain of events.

NS2 Blockchain paired with NS2's security and technology expertise can tailor your solution to meet your agency's specific mission requirements, both on-prem and in the cloud. Implementation is simplified with no need to build anything new. The result is a system of record your staff, leadership team, and stakeholders can access to ensure that the information they are using is trustworthy.



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