



VIAsecurechain



The first and only U.S. Department of Defense cybersecurity accredited blockchain

VIA has more than five years experience in blockchain and related Web3 technologies. Through the [U.S. Air Force Platform One](#) program, VIAsecurechain has become the first and only blockchain with U.S. Department of Defense cybersecurity accreditation for IL-2 to top secret level workflows. VIA has 8 issued patents in the past 18 months related to data privacy and VIAsecurechain.

VIAsecurechain details at a glance

Consensus Mechanism	Consortium, votation-based consensus mechanism (i.e., no tokens)
IAM and RBAC	Native integration with Keycloak for Identity and Access Management role-based access control
Database	MongoDB, a distributed database, allows data sharding and supports Merkle trees natively
Smart Contracts	Using a VIA node, smart contracts, foreign data wrappers, and a variety of other privacy-preserving functions are supported
Hashing	Quantum-resistant, NSA-recommended, SHA-256 data hashing for fingerprinting digital assets
Zero-Trust Architecture	Istio to perform user authentication in the service mesh, and Mutual TLS to authenticate communication within the service mesh between services
Transparency	Full transparency through monitoring and runtime telemetry (Grafana, Prometheus, Jaeger, Kibana)
Deployment	Kubernetes cloud default with on premise deployment available

“We’re excited to welcome VIA onto Platform One, especially as AI and data privacy technologies remain among the DoD’s highest priority technologies.”



USAF Chief Software Officer and Co-lead of the DoD’s Enterprise DevSecOps Initiative



Want to learn more?

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