



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>U.S. Air</u> <u>Force Platform One</u> 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 10+ issued patents in the past 2 years related to data privacy and VIAsecurechain.

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



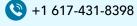
USAF Chief Software Officer and Co-lead of the DoD's Enterprise DevSecOps Initiative



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