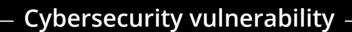
Deloitte's blockchain authentication security evidence platform

This platform provides authentication, authorization, and identity access management solutions to assist clients in managing cybersecurity risks.





Single-entity point of failure

Logging integrity vulnerabilities

Reactive-Only logging

Blockchain's value/capability



Multi-signature/Threshold authentication

- Reduces bad actors' ability to exploit a single set of credentials
- Stronger than multi-factor authentication (MFA)
- Requires consesus among a minimum threshold of signatories
- Reduces Eliminates bad actors' ability to exploit a single set of credientials



Blockchain Distributed Identification (DID) Architecture

 Removes single-entity point of failure through the practice of distributing the various components of identity management



Immutable historical blockchain logging of ALL relevant events

- Provides full audit trail
- Everlasting, tamper-evident, timestamped registry of events



Immutable Proactive Blockchain logging

- "Announces" tamper-evident events
- Enables automated triggering of communications or actions based on a predetermined ruleset

Potential impact on your cybersecurity posture



Reduced breach impact

 By implementing threshold authentication, the effect of a breach can be minimized as malicious actors must compromise multiple users, applications, devices, or systems to achieve the threshold, thereby reducing the overall "blast radius" of a breach.



Enhanced access control

 Active directory no longer stores usernames and passwords, making it harder for a hacker to gain full credential access.



Secure privileges

 Information on user privileges is stored separately, limiting a hacker's ability to manipulate access controls even if they gain unauthorized access.



Distributed consensus mechanism

 Any changes to smart contracts (including unauthorized privilege modifications) need to be validated across multiple nodes. Single-actor changes are automatically rejected, maintaining the integrity of the system.

