

ElectionGuard Verifier

Existing Problems

Outdated Infrastructure

Outdated voting infrastructure makes election susceptible to tampering and vote manipulation. The infrastructure has not kept up-to-date with the technological changes, or the emerging threats.

Decentralized Process

The entire election process is highly decentralized with 10,000+ election administration jurisdictions. Additionally, each state has their own devices and methods for registering votes.

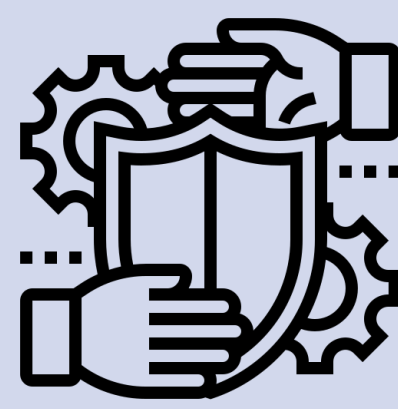
Lack of Verification

Currently, there is no simple, user-friendly, and efficient method of verifying election that can be widely adopted with relative ease.

What ElectionGuard Offers:



Homomorphic Encryption:
Preserves privacy

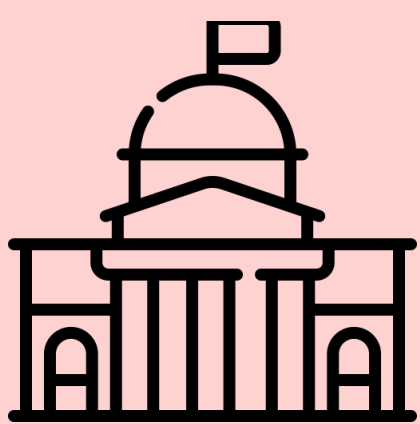


Zero Knowledge Proof:
Guarantees integrity



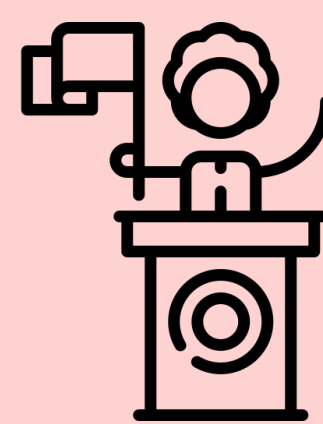
End-to-End Verification:
Promises transparency

Our Verifier:



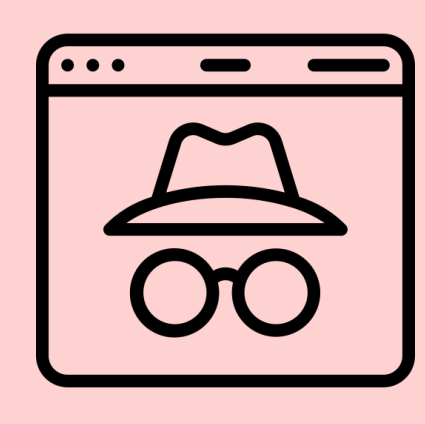
Open-source

ElectionGuard SDK supports third-party verifier apps to independently check if encrypted votes are unaltered and have been counted properly



Independent

Our verifier is an open-source, lightweight, and platform-independent system that can be used by any voter to check if their votes were cast correctly



Preserves Anonymity

Voters can track their votes securely and privately to make sure it counted towards the right candidate, without giving away which candidate they voted for