



Trust is essential to modern society and economic transactions, yet trust is at risk more than ever before through misuse of personal data and, more commonly, data breaches.

## Increased Data, Trust and Regulatory Risks

**1506** Data Breaches in 2019 in United States

**\$146** Cost of per Record of Data Breached Globally

**7** New State or Trans-National Regulations Passed in 2020

**7** New State or Trans-National Regulations with Encryption Safe Harbor



**Easy to Deploy:** ShieldIO is application agnostic. Rapid, inexpensive implementation

**Ephemeral Keys:** ShieldIO's unique Ephemeral Key solution requires no encryption keys to be maintained key store administration, key store servers, and the potential for key store breaches.

**Database to Application Encryption:** ShieldIO's encryption engine occurs in a client side autonomous driver, meaning the data is encrypted from the database until it is being used by the application.

**Search on Encrypted Data:** Unlike the current generation of technologies, ShieldIO's driver can search data without decrypting it and leaving large amounts of data exposed.

**D-Net Architecture:** ShieldIO's D-Net is where keys are instantly derived, hardening vulnerabilities by distributing the ephemeral key solutions, significantly reducing resource loads on application and database hardware, generating rapid query results, enhancing productivity, and elastic scalability