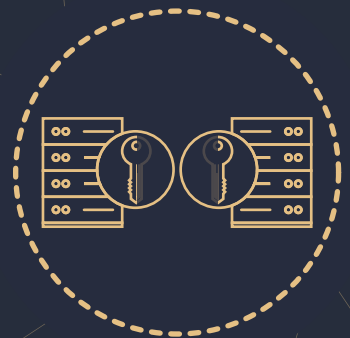


UNBOUND  
(MATH OVER MATTER)

# SECURING DATA AT EVERY STAGE: UNBOUND TECH AND ENVEIL



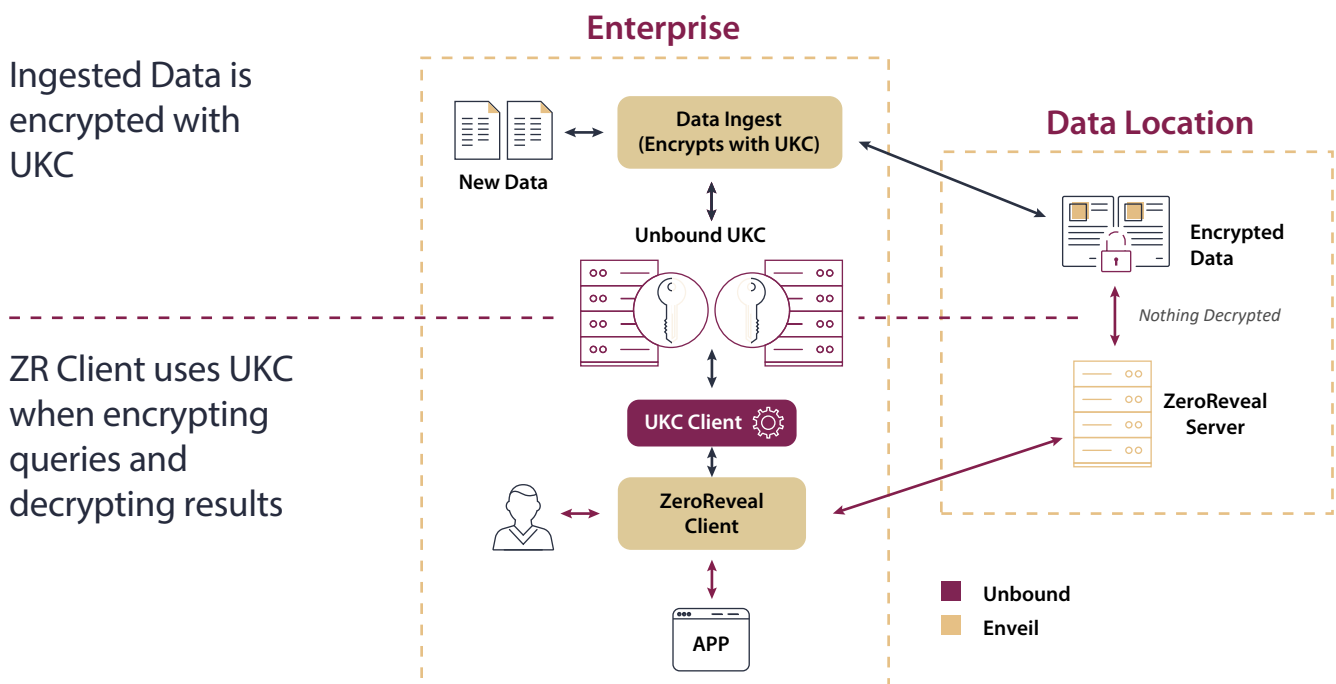
## Unbound Tech and Enveil: Securing Data at Every Stage

Sensitive data requires protection and companies must ensure their approach to data security is both thorough and functional. Critical data, including cryptographic keys and other sensitive data, must be protected throughout the processing lifecycle, including the often-overlooked security gap that occurs when data must be decrypted in order to be used or processed.

Unbound Tech and Enveil have partnered to deliver a powerful combination of Software-Defined Cryptographic capabilities to seamlessly secure sensitive data at all points during their lifecycle. Enveil advances the boundaries of data security by eliminating the Data in Use exposure gap, which companies face when sensitive data must be decrypted in order to be used or processed. Unbound fortifies security protections by ensuring cryptographic keys, credentials, or other private data never exist anywhere in complete form. Customers can quickly and easily employ multiparty computation-based encryption key protection and homomorphic data security technologies to configure or support separate strategies for encryption of at rest, in transit and in use. An added bonus to this joint solution is less administrative and resource overhead due to the ability to work with existing systems.

## Safeguarding Encryption Keys and Providing Nation-State Level Security for Data in Use

Built to address the complex data security challenges facing highly regulated verticals such as the financial sector and the healthcare industry, the joint solution provides unmatched data protections through never-before-offered combinations of multiparty computation (MPC) technology and homomorphic encryption (HE). Enveil can now use Unbound to encrypt/decrypt data inside of databases where the data has been encrypted with Unbound, providing unmatched protection for sensitive data at-Rest, in-Transit, and in-Use, completing the [Data Security Triad](#).



Based on cryptographic breakthroughs that draw strength from math (not matter), Unbound Key Control (UKC) is the first solution to offer a truly abstracted key management that meets the high levels of security previously only attainable through hardware-based perimeter-centric models. Built upon Unbound's [Distributed Trust Platform](#), UKC can protect and manage keys across your entire decentralized hybrid cloud and geo-distributed environments without disrupting existing application workflows.

Enveil's ZeroReveal™ Compute Fabric closes the last gap in data security by eliminating a Data in Use vulnerability that security experts have been working to solve for over 20 years. Enveil allows organizations to achieve previously impossible levels of data security by ensuring that the content of the interaction, the results, and the data itself are always protected. Powered by homomorphic encryption, Enveil's scalable framework enables enterprises to securely operate on data (search/analytics) in the Cloud, on prem, or anywhere in between because nothing is ever revealed during the entire processing lifecycle. Enveil eliminates what has become a point of least resistance for an attacker and is the only Data in Use security company to achieve a NIAP Common Criteria security certification, verifying its capacity to provide nation-state level protection in the global marketplace.

## Joint Capabilities & Features

- **Seamless and Scalable** – Privileged credentials with elastic and scalable enterprise-grade key management allows for quick adaptation to meet changing needs and the solution transparently deploys to integrate seamlessly alongside existing security solutions.
- **Unmatched Protection** – Enveil protects sensitive information during processing, including never decrypting the data and/or the operations, by providing the ability to perform secure, encrypted queries over both unencrypted data and data that has been encrypted with keys stored in Unbound Key Control.
- **Eliminated Exposure** – By enabling a Never Decrypt security posture, Enveil fundamentally changes the paradigm of secure data usage and completely closes off the threat vectors in the Data in Use attack landscape.
- **Secured Management and Administration** – Unbound Key Control allows the customization of granular admin authorization and access management policies in multiple ways.
- **Trusted Compute in Untrusted Locations** – Enveil's military-grade encrypted search extends the boundary of trusted compute into untrusted locations.
- **Context-Based Auditing** – Get the full details of every decrypt or signing operation in real time whenever a key is used. Receive detailed logs that include: operation type, date and time, the servers from which the request was made, and the authorizing users.

## Summary

Powered by homomorphic encryption, Enveil eliminates the Data in Use security gap that has become a point of least resistance for an attacker. Unbound delivers the first enterprise-grade applications of Multiparty Computation (MPC) to ensure superior secret protection, at a level once only possible with hardware. The collaboration between Enveil and Unbound unmatched protection for sensitive data at-Rest, in-Transit, and in-Use through never-before-offered combinations of multiparty computation technology and homomorphic encryption.

## Unbound Tech

Unbound Tech equips companies with the first pure-software solution that protects secrets such as cryptographic keys, credentials or other private data by ensuring they never exist anywhere in complete form. The Unbound Distributed Trust Platform stands as a new foundation for trust using secure multiparty computation to ensure secrets are always split into multiple shares and thereby eliminate any single point of compromise. Adopted by Fortune 500 companies, Unbound's elastic and agile platform protects secrets on untrusted infrastructure and removes existing dependence on dedicated security hardware, delivering a novel approach to security and privacy designed for the digital era. Serving as an engine for uninhibited growth, it allows enterprises to gain new levels of control over their secrets on any cloud, server or endpoint, and opens new possibilities for digital innovation. Founded in 2014, Unbound has been recognized with numerous industry awards and named in multiple Gartner Hype Cycle Reports. Visit [www.unboundtech.com](http://www.unboundtech.com).

## Enveil

Enveil is a pioneering data security company protecting Data in Use. Performing actions such as search and analytics have historically required decryption, creating points of exposure. Enveil's Never Decrypt computation capability closes this last gap in data security by protecting data while it is in use. Enveil allows enterprises to securely operate on both encrypted and unencrypted data in the Cloud, on prem, or anywhere in between. Founded by U.S. Intelligence Community alumni with backgrounds in mathematics, algorithmics, and machine learning, Enveil is revolutionizing data security by addressing a Data in Use vulnerability that people have been chasing for more than 20 years. Enveil's ZeroReveal™ solutions are NIAP Common Criteria certified to provide nation-state level data protection in the global marketplace. Learn more at [www.enveil.com](http://www.enveil.com).