Immutable Data Vault

Keylane launches a new solution to protect customer data against ransomware attacks

With technology advancing at ever faster speeds, so too does the sophistication of attacks carried out by bad actors seeking to compromise data for financial gain or to cause irreparable reputational damage to your organisation.
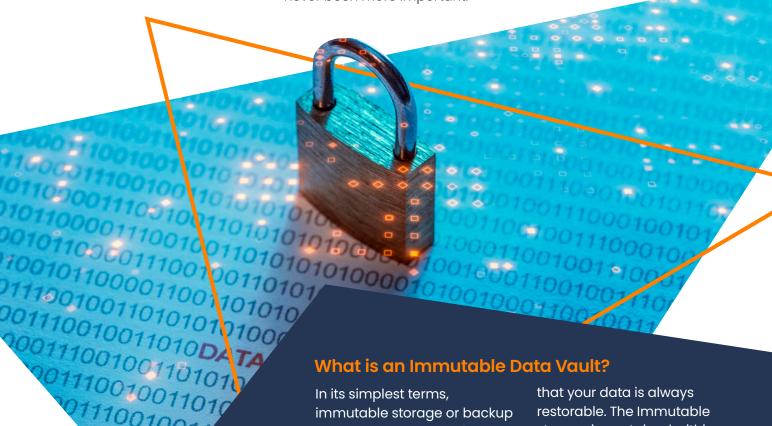
Sophisticated Threats

No company or organisation is immune to ransomware attacks or even insider threats. As the value of data continues to increase, the determination of those seeking to profit from the theft or destruction of your data also increases.

For insurance and pension companies that hold sensitive customer data, the need to protect that data and the ability to recover from attacks has never been more important.

The potential damage caused by a successful ransomware attack can result in the complete loss of all customer data, severe reputational damage, and may even lead to costly legal repercussions that may reduce a company's growth potential or put it out of business altogether.

What is an Immutable Data Vault?

In its simplest terms, immutable storage or backup means that your data is unchangeable, impossible to delete and impervious to attack. Furthermore, it is always recoverable. Immutable storage therefore guarantees that your data is always restorable. The Immutable storage is contained within an isolated environment that acts as a vault to minimise any residual risks and to maximise restore guarantee.

Keylane

Sophisticated Solutions:
Keylane's Immutable Data Vault

To address the ever-present and growing ransomware threat and to offer our customers increased peace of mind, we will launch our Immutable Data Vault service in 2022, ensuring the highest standards of protection for our customers' data.

By taking snapshots of our customers' backup data and storing it in a form that cannot be modified or removed - even at the highest administrative level -, our Immutable Data Vault offers an isolated environment that guarantees a full and separate tertiary backup of your data; which means your data remains static and tamper-proof for the entirety of its existence.

Our IDV solution will be air-gapped and inaccessible from the production network, with the exception of backup data replication to the immutable storage layer. As part of our solution, we will carry out regular recovery testing to guarantee its complete effectiveness.

Always Recoverable

In the event that an attacker is able to access the immutable storage layer and modify or tamper with your data, the stored snapshots would always provide a safe and guaranteed path back to an unedited point prior to the attack, thus safeguarding the full and complete recoverability of your data.

It is impossible for an attacker to change or delete a snapshot containing the backup data before the predefined retention period, and as a result an attacker is denied the ability to encrypt or delete the backup data, thus eliminating the leverage an attacker needs to execute a successful ransom demand.

Additionally, we will store all necessary data to allow for a timely and full resumption of your SaaS service, along with customer production data, Keylane essential cloud infrastructure systems, and backup system meta data.

Curious to know more about Keylane's Immutable Data Vault solution?

If so, please reach out to your project or service manager. We will be actively reaching out to our customers to discuss our plans and to gather any feedback you may have.

"We fully endorse the need to provide maximum protection against cyber-attacks for the stored data of our strategic SaaS partner Keylane, and actively contributed to the development of the Keylane Immutable Data Vault, purchasing this service as a launching customer."

C.T. (Kees) Tuijnman, a.s.r.

Keylane