

Secure data and enable compliance

ISE and iglu data-at-rest encryption

The need for secure storage

Protecting sensitive customer, financial, and business data is a top priority for many organizations. Whether it's a damaged public image, dissatisfied customers, compromised financial reports, or stolen intellectual property, the risks are too great to ignore.



In many regulated industries, compliance with data security laws can add another layer of complexity and risk. With a myriad of international, federal, state, and industry data security laws, the penalties for compromised data can result in large fines and even jail time for executives. SOX, EURO-SOX, Basel-II, HIPPA, and Safe Harbor are all examples of significant regulations with which businesses must comply. Encrypting data while it is stored is a strategy that, when used as a part of a larger data security program, can protect against these issues and risks.

The X-IO solution: data-at-rest encryption

X-IO Intelligent Storage Element (ISE) systems, including X-IO iglu, provide encryption-at-rest using AES 256-bit keys. ISE-based systems allow for encryption of all data with no impact to performance or capacity. By encrypting all data with ISE, compliance is ensured no matter where it is placed. ISE data-at-rest encryption can be used in any situation where security of data storage is a concern. Some example scenarios are:

- Databases—including log and scratch space data—are encrypted with no additional administration from the DBA or Storage Administrator and with no impact to performance.
- All desktops in a Virtual Desktop solution are encrypted, reducing the administrative cost of maintaining secure and non-secure storage pools and policies.
- Private, public, and hybrid cloud environments can ensure that multi-tenant data is secure.

Benefits of X-IO ISE and iglu data-at-rest encryption

X-IO ISE and iglu data-at-rest encryption provide the following benefits:

- Reduced risk and increased compliance with secure, encrypted storage
- Increased security for multi-tenant applications
- No performance impact with inline, drive-based encryption
- Easy to implement and simple-to-use encryption

Data encryption solutions can have a dramatic negative impact on storage system performance. X-IO storage uses self-encrypting drives that operate transparently and minimize the impact to overall system performance.

For more information on X-IO ISE and iglu data-at-rest encryption, please visit: www.xiostorage.com.