

Forts' Solution - Replication

Security for sensitive and critical data

ENTERPRISE SECURITY

Complete access and security of data across the complete corporate landscape including legacy systems.

SCALABLE STORAGE

The Knox units start with a minimum 24PB of usable storage. Each Knox can scale up to 32EB of storage.

AGILE STORAGE

Reconfiguration and Expansion of storage completed on the fly without interrupting operations.

PLANNING

A specialist planning team will work with the customer to understand their needs and then design the correct solution and ensure that it can be fully implemented within the customers operating environment.



- Synchronous Data replication to single or multiple sites supported.
- Computational replication to allow for both resilience and load sharing.
- Information security ensured across all sites and geolocation and business rules complied with at all times.

Built into the Forts' Solution is a fully featured set of replication tools. Replication can be a simple site to site to offer redundancy of a complete site, selecting replication of databases or other large data sets, or replication based on a specific server, business or application.

The most common configurations are based on synchronous replication but if required Ad Hoc replication using asynchronous replication can be configured. This allows for secure and straightforward relocation of information when changes are required.

Multi-site replication allows the spread of data to be available from different site and both one to one and one to many replications is available.

As well as data replication, the solution also allows computational replication across sites both for resilience and for load sharing applications.



SysEncrypt
Information Security
for the Enterprise

IMPLEMENTATION

Our Implementation teams located across North and South America, Europe and Australasia, have all the knowledge to ensure the initial implementation of your solution goes without problems.

ONGOING SUPPORT

Each customer has their own dedicated support team who will work on site to ensure that securing the Enterprise remains the focus of the mission. All changes and reconfiguration needs are covered by the support package.

For more information on any of our products or services please visit us on the Web at:
www.sysencrypt.com

System

- **Knox Servers**

The Knox is at the core of the Fort Solution with from 24 PB up to 32 EB of usable mirrored storage, hardened servers running the user, device and location access rights databases as well as the key generation and management functions. Internal to each Knox these servers are fully redundant and utilize AI to manage data storage between cache, SSD and physical hard discs for storage utilization.

- **Delaware units**

Act as edge switches to handle connections from the attached PCs / workstations to the Knox units. Connection to the Knox is by four fibre connections that allow for redundancy and load sharing. On smaller installations the Delaware will connect directly to the Knox units whilst on larger ones they will connect via the Ticonderoga switch. Has 4, 16 Gigabit upstream fibre connectors (1,600 MB/se payload each) and 12 1 Gbit Ethernet downstream connections (125MB/s payload each)

- **Ticonderoga units**

Acts as a core switch for larger installations to allow multiple Delaware Units to connect to the Knox units. These hardened units hold a mirror of the user and PC rights database to improve access performance. The units have AI controlled pathing and rerouting functions with 16 GBytes cache per channel. Each unit has 24, 32 Gigabit upstream Fibre connections (3200 MB/s payload each), and 48, 16 Gigabit downstream fibre connections (1,600 MB/s payload each).