



Stealth Solution

The Right Information, to the Right People, at the Right Time – Securely

Today's Security Challenges

The days of implicit trust are long gone. The increasing requirement to share information while keeping data safe and secure is a challenge because of the increasing numbers and complexity of regulation and compliance requirements. Public services must support the needs of its citizenry while protecting the highly sensitive, private data it uses.

Today's security technologies often require physical separations of user groups and applications to ensure achievement of data protection and compliance.

Enterprises are often forced to field separate independent networks and storage area networks (SAN) to protect data. Typically, this requires multiple, separate, and costly infrastructures.

Unisys Stealth Solution meets today's enterprise directive to **reduce costs, simplify** infrastructure and enable **responsive** IT delivery to the enterprise. All while providing a high degree of data security assurance.

Solution Definition

Unisys Stealth Solution is a transformational way to protect data.

Stealth uses certified encryption, then bit-splits data into multiple slices or shares as it moves through the network or is written to local or remote storage.

The result is a much simpler, more cost-effective, and consolidated infrastructure, vastly increased data availability for mission-critical applications, and enhanced-level security and privacy of data.

But beyond encryption, the Stealth Solution allows multiple communities of interest (COI) to share the same infrastructure without fear of another group accessing their data.

Unisys Stealth Solution:

- Protects the confidentiality and integrity of data-in-motion and data-at-rest on networks and SANs

- Allows multiple COIs to share the same network and Storage securely
- Cloaks network end-point devices from unauthorized eyes
- Enables a simpler and more cost-effective infrastructure through consolidation
- Eliminates the need for replication technologies for disaster recovery data
- Offers a full set of discovery, assessment, design, implementation, and support services

Unisys Value Proposition

The Stealth Solution provides three significant areas of value. First, the Stealth Solution **promotes trust and lowers risk** by protecting data confidentiality, integrity and availability. This uniquely provable data protection ensures information has no value if captured while **promoting controlled secure infrastructure sharing** by multiple COIs. Second, the Stealth Solution **increases agility and effectiveness** so that enterprises can quickly respond to changing conditions. And third, the Stealth Solution allows enterprises to **reduce costs** by simplifying the infrastructure, leveraging existing resources, reducing equipment and maintenance requirements, and offering a greener solution.

Our Stealth Solution employs a Unisys-developed information management architecture that fundamentally alters the approach to data protection by directing and controlling parsed data.

Combined Software and Appliances

The solution consists of the Stealth Solution software and Stealth Solution appliances.

The Stealth Solution cryptographic engine is FIPS 140-2 Level-1 certified through the use of SecureParser® by Security First Corp. Stealth's Unisys IP software combines with the SecureParser® patented

cryptographic bit-level splitting capability for true differentiation.

Stealth achieved the National Security Agency’s National Information Assurance Partnership EAL-4+ certification for protection of data-in-motion across any network – private or public. This qualifies Stealth to protect up to **secret, defense-level information** to support your critical mission requirements.

Unisys is the only solution that enables data classified at different security levels to coexist on a single network or on shared storage while vastly improving availability of data. In the SAN environment, Stealth adds unique cryptographic data dispersal for a new paradigm in storage resiliency.

Stealth Solution for Network

Stealth Solution for Network is a transformational solution that secures data-in-motion and controls the sharing of information within or across networks by employing an innovative cloaking technique – all while vastly simplifying the infrastructure. Stealth Solution assures security by cryptographically transforming information using a bit-level, data-dispersal algorithm that weaves the data into the very fabric of the network.

Our Stealth Solution consolidates networks using dynamically managed virtual networks based on COIs.

The Stealth Solution works at exactly the right point in the network: integrated into the network infrastructure and below the applications. Thus, it seamlessly fits into the existing structure and protects all data-in-motion without any application impact.

Stealth Solution for Network:

- Protects the confidentiality, integrity, and availability of data-in-motion
- Allows multiple COIs to share the same network securely
- Cloaks Stealth-equipped devices from unauthorized eyes

Stealth Solution for SAN

Stealth Solution for SAN is a transformational solution that secures data-at-rest and controls the sharing of information within or across SANs – all while vastly simplifying the storage infrastructure. This solution assures security by cryptographically transforming information using a bit-level, data-splitting algorithm.

Stealth technology goes one step beyond vendors providing encryption capability—whether host-based, SAN-based, NAS-based, appliance-based, or switch-based. Stealth technology not only encrypts at defense-level strength (AES-256), it also splits the encrypted data into shares at the bit-level and then disperses these shares to both local and remote SANs.

Stealth Solution for SAN:

- Protects the confidentiality, integrity and availability of data-at-rest
- Allows multiple COIs to securely share the same storage network infrastructure

Data-at-Rest Technology	Unisys IP Enables the Stealth Solution
Storage virtualization is not offered by in-line encryption devices	Unisys IP in the Stealth Solution for SAN virtualizes local and remote storage. Advantage: Centralized control of storage including DR implementations and shared space management.
Encrypted data is RAIDed or mirrored on local media then replicated on remote media	Separate shares are stored on separate media in dispersed locations, both local and remote, eliminating the need for replication software. Advantage: Data is highly available with integrated disaster recovery and improved recovery point objectives and restore to operation time frames.
A complete copy of the encrypted data resides on each mirror set on both local and remote media	The splitting process requires only a subset of shares to reconstitute the original data (M of N). Advantage: Fewer terabytes of storage media required with a far simpler storage infrastructure—cost savings.

Fundamental Advantages to Stealth Solution

Complementary Solution Offerings

- SafeGuard Business Continuity Solutions
- Security Advisory Services
- Security Management Services--monitoring, SIEM, etc.
- Network and storage architecture, design and implementation services

For more information visit www.unisys.com or www.unisys.com/stealth, or contact:

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