

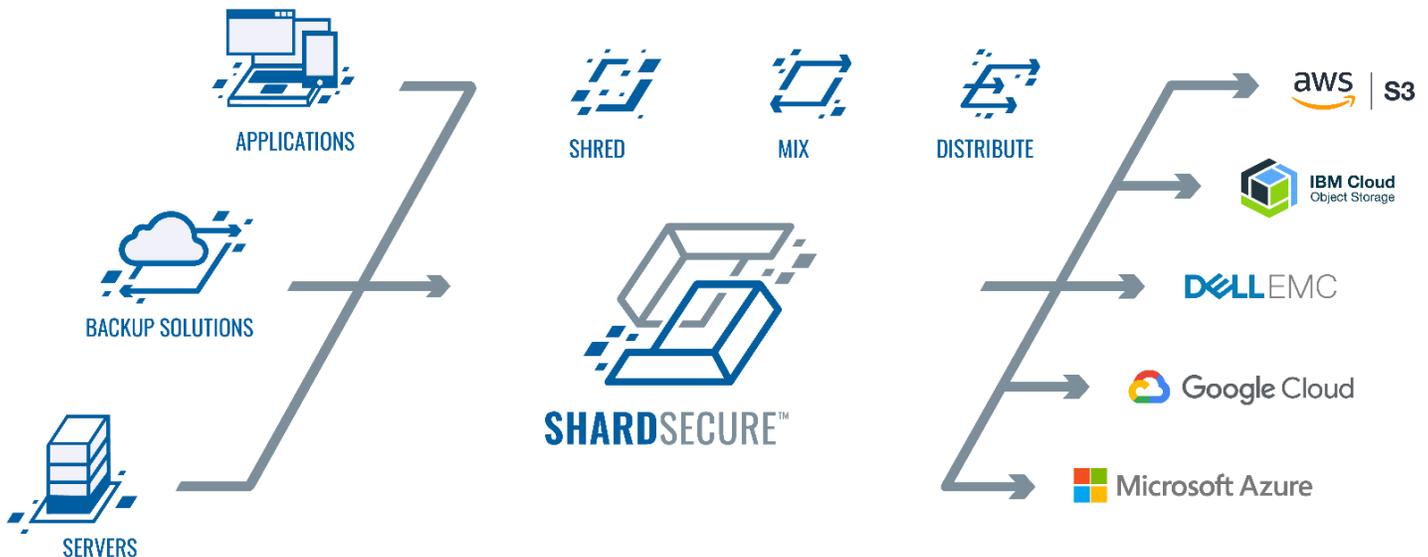
SHARDSECURE™ SOFTWARE APPLIANCE



TOTAL PRIVACY, ZERO DATA SENSITIVITY

Microshard™ technology eliminates data sensitivity, providing security, privacy and compliance beyond encryption.

Our unique Microshard™ technology shreds, mixes and distributes data to automatically eliminate the value of your data on back-end cloud infrastructure. ShardSecure ensures data is incomplete and unreadable, while ensuring high availability, disaster recovery and security. Microshard data is protected in the event of a breach, separated from those with privileged access, and the sensitivity class is reduced for regulatory compliance.



HOW IT WORKS:

The ShardSecure virtual appliance can be deployed in the cloud or on-premises. The appliance ingests unstructured data via the RESTful API, NFS, and SMB. Data is compressed then shredded into microshards. Microshard data is mixed, poison data is added, and new shards (containers holding many microshards) equal to the number of configured storage destinations are formed. Data is distributed following a user-set policy to multiple, independent, on-premises/datacenter or cloud storage. The appliance reassembles microshard data on demand for authorized users.

WHY SHARDSECURE:

ShardSecure is the only solution capable of breaking data into microshards as small as single-digit bytes without sacrificing performance. Plus, whereas encryption-only data security solutions present attackers with a challenge of time and compute power to unscramble compromised data, ShardSecure's multiple, independent storage locations ensure attackers never have a full set, creating a time, compute power and spatial challenge. Encryption may slow an attacker down, but not even quantum computers can help an attacker unscramble data they do not have.

SHARDSECURE™ SOFTWARE APPLIANCE



Structured and Unstructured Data

Eliminate sensitivity of files, streaming data and databases



Single-Digit Byte Shard Sizes

The only technology capable of shards as small as 4 bytes



Encryption Compatible

Shard before or after encrypting without disruption



One-Click Migration

Move Microshard data easily between locations with one click



Zero Trust Data Security

Separate data from admins, employees, and cloud providers, eliminate human error and insider threat risks



Reduce Attack Surface

Distributed, Microshard™ data drastically reduces available attack surface



2-10x Cloud Performance Gains

Streaming Microshard data can yield read, write, transfer performance improvements

MULTI-CLOUD SUPPORT

The ShardSecure™ Engine is currently integrated with the top five cloud service providers including AWS, Azure, Google, IBM and Oracle Cloud Infrastructure, in addition to Box and Dropbox.

Our flexible core engine can be rapidly integrated with other cloud service providers upon customer request considered 'sensitive'.

ED AMOROSO, CEO TAG CYBER, FORMER CSO, AT&T:

"ShardSecure's shread, mix and distribute approach provides a simple path to eliminating data sensitivity on back-end infrastructure that works regardless of one's cloud expertise."

GARRETT BEKKER, PRINCIPAL ANALYST, 451 RESEARCH:

"ShardSecure has...the ability to protect data with less overhead than standard encryption or need to modify applications, and support for multiple cloud offerings as well as Box and Dropbox, etc."

