

# nuBridges Protect™

(Formerly nuBridges Data Secure)

## Product Overview

*“nuBridges offers a complete solution for encryption and key management. We’ve got the security, the audit logs and the peace of mind to prove it.”*

nuBridges Protect™ is an integrated encryption, key management and logging solution that protects data at rest in fields, files, databases and applications. Designed for rapid, audit-ready deployment, nuBridges Protect supports a broad range of enterprise platforms.

As organizations seek to protect sensitive data from malicious and accidental exposure, encryption has become an increasingly important weapon in the security arsenal for data at rest in databases, files and applications.

Encryption is a perfect companion to strong perimeter and firewall protection — even if the bad guys manage to get in, as long as the sensitive data is encrypted no matter where it rests, it will be useless to them. Encryption is also one of the most important ways to protect against internal threats, which some estimates put as high as 73% of all breaches.

What many organizations are finding is that while encryption is not that difficult to achieve, managing the associated encryption keys across their life-cycle quickly becomes a problem that (1) creates a new set of security vulnerabilities and (2) introduces the risk that important data will be inaccessible to those who need it and are authorized to use it.

nuBridges Protect has a powerful key manager that enables you to control and protect access to keys to ensure that (1) keys don’t get into the wrong hands and (2) keys are available when needed to unlock data today and in the future. nuBridges Protect can be implemented quickly and without disruption — whether you’re just beginning your encryption initiatives or replacing home-grown or incomplete solutions.

No matter what drives your encryption requirements — external mandates like PCI DSS, HIPAA or California’s data protection regulations, or internal mandates for best practices in data protection — nuBridges Protect is a complete encryption and key management solution that may be just perfect for you. Today it protects sensitive information for many of the world’s most prominent brands — in fact, we’ll bet it has encrypted some of your personal credit card numbers!

### Unified key management

Key management may be the single most critical component of any company's encryption strategy. nuBridges Protect key management system makes managing keys across your enterprise painless. The nuBridges Protect key manager:

- Generates, distributes, rotates, revokes and deletes keys
- Automatically alerts you of expired keys
- Tracks an infinite amount of keys
- Encrypts fields and/or files before writing to electronic backup media
- Manages keys across disparate platforms and systems from a centralized system

### Rapid, painless implementation

nuBridges Protect can be up and running in no time, so you can meet deadlines for external and internal mandates.

- No file layout or field size changes required; for example, encrypt a 16-digit credit card number without changing your pre-defined file layout
- No database downtime during encryption
- Encryption processes run in the background
- Allows high availability systems to remain active

### Complete logging and auditing

Just as important as the encryption of data itself, proof of encryption and authorized access can make or break an audit. nuBridges Protect reporting interface:

- Records activity, by user and time, each instance credit card information is accessed
- Encrypts, secures, and hides audit logs to prevent tampering
- Dashboard reports a summary of all document activities
- Provides ability to drill-down to session details and file information

### Platforms supported:

HP-UX, HP NonStop  
IBM (z/OS, MVS, OS/390, System i, AIX, 4690, OS/2)  
Linux  
Solaris  
Windows 2000, XP, Advanced Server  
2003, Vista

### Databases supported:

IBM (DB2, IMS, VSAM)  
Oracle Database 9i/10g  
Microsoft SQL Server

In addition to solutions for securing data at rest, nuBridges offers powerful solutions for securing data in transit. Dynamic, on-the-fly data encryption and decryption permit visibility only to the local application, and nuBridges solutions allow you to completely lock down your firewall while simultaneously communicating with your partners.

- Field and file level encryption -- supporting PKI, 3DES, AES 256 encryption and SHA-1 hashing
- Secure File Transport Protocol (FTP) with SSL / TLS (if required)
- Proxy and controller for smart firewall navigation of transactions between business partners

## About nuBridges, Inc.

nuBridges is a leading provider of software and managed services to protect sensitive data at rest and in transit, and to transfer data internally or externally with end-to-end security, control and visibility. nuBridges encryption, key management, managed file transfer and B2B integration solutions are used to comply with security mandates and to digitally integrate business processes among enterprises, systems, applications and people. Over 3,000 customers depend on nuBridges secure eBusiness solutions to encrypt millions of credit cards, exchange billions of dollars in B2B transactions and enable countless business-critical file transfers, including Wal-Mart, Amazon.com, Timberland, American Eagle Outfitters, Belk, Bon Ton, John Deere, Wachovia, Sun Trust, AIG, CheckFree, Bank of America and Verizon. nuBridges is headquartered in Atlanta, Georgia, USA. More information is available at [www.nubridges.com](http://www.nubridges.com).

### nuBridges, Inc.

U.S. HEADQUARTERS

1000 Abernathy Road

Suite 250

Atlanta, GA 30328

UNITED STATES

Tel. +1 770 730 3600

EMEA HEADQUARTERS

Lakeside House

1 Furzeground Way

Stockley Park

Uxbridge, Middlesex

UB11 1BD

UNITED KINGDOM

Tel. +1 44 (0) 20 8622 3841

[www.nubridges.com](http://www.nubridges.com)