

# Prime Factors STK Toolkit



## Flexibility to implement the RIGHT protection for sensitive data

Securing sensitive data is one of the top mandates for information technology professionals. Every year data protection becomes a bigger problem as more and more users – from inside and outside of a company – have access to sensitive data such as credit card account numbers, social security numbers and passwords.

Many companies have taken an important step toward preventing enterprise data loss by developing a formal security plan. Now they need help executing their plan. Prime Factors provides the following components that ensure implementation of the RIGHT protection for sensitive data.

### The RIGHT cryptographic software

If you are like our customers, you have unique requirements that can only be met with a comprehensive toolkit. The STK Toolkit gives you flexibility to implement security exactly as it is defined in your security plan. A library of subroutines and ready-to-use utilities save programming time and speed up your project.

The STK Toolkit lets you meet most security requirements by encrypting data in batch or real-time and by encrypting and authenticating fields, records or whole files on disk or tape. Also, it provides various methods of generating and protecting passwords. The STK Toolkit supports IBM's high-speed cryptographic co-processors for large volumes of secure data.

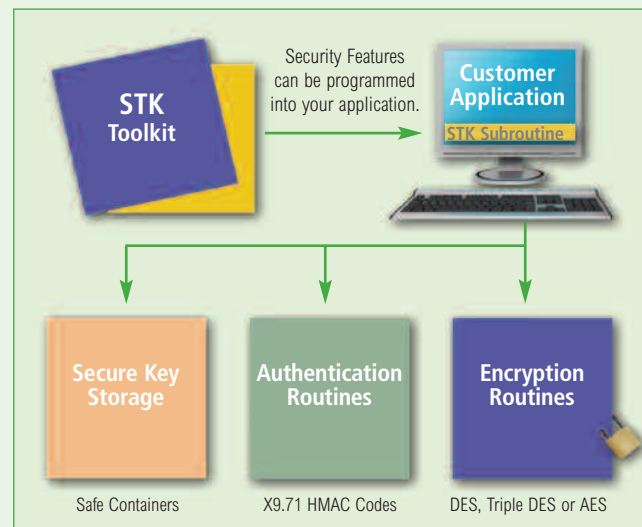
Our customers use the Toolkit to encrypt individual data items such as names, salary amounts, accounts numbers, SSNs, PINs, image files, and passwords, as well as group items such as credit card information and electronic funds transfer (EFT).

### The RIGHT security advice

"What algorithm should I use?" "Which subroutines do I use to encrypt account numbers?" "How should I implement key management?"

You'll have questions when you begin a project to add security to a database or mission-critical business application. Our support staff has the expertise to advise you on how to take advantage of the flexibility of the STK Toolkit. Support team members are highly knowledgeable with strong technical backgrounds.

## Generating Secure Files



*The STK Toolkit includes 50 subroutines that can be called by a number of different programming languages.*





## The RIGHT algorithms

Whether you know which algorithm to use, or you need our advice, the STK Toolkit provides many options to secure your sensitive data. It gives you a wide range of capabilities to protect and authenticate data including Triple DES (112 bits), AES (128, 192, 256 bits) and X9.71 HMAC.

## The RIGHT key management

The STK Toolkit gives you the flexibility to implement key management in a variety of ways, depending on your needs. An interactive key management program accepts the entry of encryption and authentication keys using up to three separate components, and stores them in a highly secure format.

## The RIGHT compliance capabilities

The STK Toolkit gives you the flexibility you need to comply with industry security standards such as Sarbanes-Oxley, Gramm-Leach-Bliley Acts, SAS 70, SB 1386 and PCI DSS.

The STK Toolkit lets you secure data resting in databases, business applications and customer-facing applications. One way to use the STK Toolkit is to implement industry security standards such as the Payment Card Industry Data Security Standard (PCI DSS).

For many retailers and payment processors, achieving PCI DSS compliance has been difficult. According to a recent white paper, nearly 80% of the companies that underwent a PCI assessment failed "Requirement 3: Protect stored cardholder data." The STK Toolkit has the power to meet PCI requirements for encryption and key management including 3.3, 3.4, 3.5 and 3.6.

## Subroutines Speed Development

The STK Toolkit comes with more than 50 security-related subroutines and includes a description of each one. Parameters are specified and sample calls from several high-level programming languages are provided.

## Ready-to-Use Utilities

The STK Toolkit comes with several ready-to-use utilities. They include a password-protected key entry program that accepts up to 3 key components, and programs to apply X9.71 Keyed HMAC authentication to ACH, ISITC, PaySource, and other EFT files.

## The Best Technical Support

Our friendly, knowledgeable support professionals are available to help you during product trials and after the sale. Experience personalized support that separates Prime Factors from the competition.

## Support for Multiple Operating Systems

You can use the STK Toolkit with a variety of operating systems and programming languages. It runs on a wide range of operating systems including Windows, Solaris, HP-UX, AIX, Linux, zOS and OS/400. You can call subroutines from programs written in the following languages: C, C+, C++, Java, COBOL, Visual Basic, RPG and other high-level languages. The toolkit translates to and from ASCII and EBCDIC, and HEX and binary.

## Other Security Products

Prime Factors' product offering includes the Bank Card Security System (BCSS) that protects bankcard information and Psypher Security Suite that protects data in motion. BCSS provides proven, cost-effective functionality that is essential to your card processing operation. Psypher gives you ultimate protection of transactions within your business community.

## About Prime Factors

Prime Factors provides products and personalized support you need to do security the right way. Our software reflects the knowledge and experience gained since our inception in 1981, and provides a wide range of protection from securing data at the application level to encrypting and authenticating fields in a database.

More than 1,000 banks, corporations and government organizations use Prime Factors' software to guard sensitive information from internal and external threat. A knowledgeable, friendly support team proactively works with you, as needed, to help you achieve your security goals.

## Free 30-Day Trial

Download a fully functional test version of the STK Toolkit at [www.PrimeFactors.com](http://www.PrimeFactors.com). During your 30-day free trial, experience personalized support that separates Prime Factors from the competition.



**PRIME FACTORS, INC.**

Your Trusted Source for Data Security

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

**Headquarters:** 4725 Village Plaza Loop, Suite 100, Eugene, OR 97401-6677 • Telephone: 541-345-4334 • Fax: 541-345-6818  
**Europe:** Seeburger Informatica Srl, Via Frua, 14, 20146 Milano, Italy  
Telephone: +39 02 45485228 • Fax: +39 02 43510110