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CryptoXpress™ LT: A collection of cryptography applications that can be executed from a command line. These programs are used to encrypt/decrypt information using “strong encryption” and to create message digests sometimes referred to as digital signatures. CryptoXpress produces compatible results across many platforms including Windows, Linux (Red Hat and SUSE), HPUX, Solaris, and IBM’s xSeries, pSeries, zSeries and iSeries. Implementation of the supported cryptography algorithms is verified using test vectors published by the National Institute of Standards and Technology (NIST).

Encryption/Decryption Algorithms Supported:

- AES 128-bit encryption AES128/PKCS5Padding/CBC
- AES 256-bit encryption AES256/PKCS5Padding/CBC
- TripleDES (3DES) encryption 3DES/PKCS5Padding/CBC

Message Digest Algorithms Supported:

- MD5
- SHA1

Benefits:

- Use strong encryption and message digests without writing code.
- Deploy best-of-breed cryptography techniques without knowing implementation details.
- Produce results consistent with the standards published by the NIST.
- Achieve cross platform compatibility across any Java enabled (1.4 or later) platform.

User Profile:

This product is intended for use by organizations that need a cryptography solution but either have limited programming skills or simply don’t want to write this code. These organizations might include:

- Any organization subject to SOX, PCI/CISP, HIPAA, SEC or any other government or industry regulation requiring users to deploy “strong encryption” at the application layer.
- Any merchant accepting and processing credit cards.
- Any high visibility enterprise deploying online services.
- Any company processing identity information.
- Any government agency.

Programs Supplied:

The following Java programs are included in CryptoXpress LT:

Program:	Description
CFXCMD	This program can be used to read command line arguments and pipe them to programs that read data from the standard input device (sysin). CFXCMD reads command line arguments and writes them to the standard output device (sysout). Note that this program outputs data exactly as it is interpreted by the operating system’s command line



Program:	Description
	parser. Depending on the operating system, it is impossible to pass some characters within command line arguments. Some characters are likely to be ignored and some are interpreted differently than you might expect. Therefore test your input carefully if you intend to use this program.
CFX103FF	A Java program that can be used to encrypt or decrypt a file using 128-bit AES/PKCS5Padding/CBC and writes the output to a file.
CFX103TF (1)	A Java program reads data from the standard input device (sysin) encrypts it using 128-bit AES/PKCS5Padding/CBC and writes the output to an encrypted file.
CFX104FF	A Java program that can be used to encrypt or decrypt a file using 256-bit AES/PKCS5Padding/CBC and writes the output to a file.
CFX104TF (1)	A Java program reads data from the standard input device (sysin) encrypts it using 256-bit AES/PKCS5Padding/CBC and writes the output to an encrypted file.
CFX112FF	A Java program that can be used to encrypt or decrypt a file using 3DES and writes the output to a file.
CFX112TF (1)	A Java program reads data from the standard input device (sysin) encrypts it using 3DES and writes the output to an encrypted file.
CFX401F	A Java program that reads an input file, digests it using MD5, and writes the output to the standard output device (sysout).
CFX401T (1)	A Java program reads data from the standard input device (sysin), digests it using MD5, and writes the output to the standard output device (sysout).
CFX402F	A Java program that reads an input file, digests it using SHA1, and writes the output to the standard output device (sysout).
CFX402T (1)	A Java program reads data from the standard input device (sysin) digests it using SHA1 and writes the output to the standard output device (sysout).
CFXF2D	A Java program that reads a file and displays if in HEX to the standard output device (sysout).
CFXT2F (1)	A Java program reads data from the standard input device (sysin) and writes the output to the standard output device (sysout).
CFXDisplayLicense	Displays the CryptoXpress license information to the standard output device (sysout).
CFXConvert	Converts a file from ASCII to EBCDIC or from EBCDIC to ASCII.

Sample Programs:

Many sample programs are provided to demonstrate how to use the above programs. Sample scripts are provided for Windows, Linux, UNIX and OS/400.

Pricing:

Platform:	Price:
Single platform license	\$1250.00 US
Additional platform license	\$420.00 US
Annual Maintenance	20% of license fee

