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**CryptoXpress™ CF:** CryptoXpress CF is a ColdFusion tag that encrypts and decrypts data using the AES or TripleDES (3DES) algorithm. AES and TripleDES both qualify as “strong encryption” as defined by the National Institute of Standards and Technology (NIST). The tag can be used to custom develop solutions that require the ability to encrypt/decrypt or digest files or data. Digesting data results in the creation of a message digest sometimes called a digital signature.

### Encryption/Decryption Algorithms Supported:

- |                               |                          |
|-------------------------------|--------------------------|
| <b>Algorithm:</b>             | <b>Mod of Operation:</b> |
| • 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

### Compatibility Mode:

CFXWorks has sold for many years C++ implementations of encryption and message digest solutions for ColdFusion. We offer a CFX\_ENCRYPT\_AES128 (128-bit), CFX\_ENCRYPT\_AES256 (256-bit), and a CFX\_MD5 tag. CryptoXpress CF supports most of the modes of operation supported by the original encryption tags including AES128/ECB, AES256/ECD, AES128/CBC and AES256/CBC. The digest results of this new tag are compatible with the original CFX\_MD5 tag.

### Benefits:

- Encryption complexity reduced to 3 best practices deployment scenarios.
- Message digest complexity reduced to 2 best practices deployment scenarios.
- IBM Certified across numerous IBM and non-IBM H/W & S/W platforms.
- Consistency verified across all supported environments.
- Correctness of implementation verified using NIST test vectors.
- Resource & skill level minimized by use of “best practices” scenarios.

### Benefits:

CryptoXpress CF requires ColdFusion 6.0 or a more recent version of ColdFusion.

### Pricing:

<u>Platform:</u>	<u>Price:</u>
Single server license	\$450.00 US
Additional server license	\$150.00 US
Annual Maintenance	20% of license fee

