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Rocky Enterprise Linux 9.2 Manual Pages on command 'Crypt::Mode::CFB.3pm'

\$ man Crypt::Mode::CFB.3pm

Crypt::Mode::CFB(3pm) User Contributed Perl Documentation Crypt::Mode::CFB(3pm)

NAME

Crypt::Mode::CFB - Block cipher mode CFB [Cipher feedback]

SYNOPSIS

```
use Crypt::Mode::CFB;

my $m = Crypt::Mode::CFB->new('AES');

#(en|de)crypt at once

my $ciphertext = $m->encrypt($plaintext, $key, $iv);
my $plaintext = $m->decrypt($ciphertext, $key, $iv);

#encrypt more chunks

$m->start_encrypt($key, $iv);

my $ciphertext = $m->add('some data');
$ciphertext .= $m->add('more data');

#decrypt more chunks

$m->start_decrypt($key, $iv);

my $plaintext = $m->add($some_ciphertext);
$plaintext .= $m->add($more_ciphertext);
```

DESCRIPTION

This module implements CFB cipher mode. NOTE: it works only with ciphers from CryptX (Crypt::Cipher::NNNN).

METHODS

new

```
my $m = Crypt::Mode::CFB->new($name);
```

#or

```
my $m = Crypt::Mode::CFB->new($name, $cipher_rounds);
```

```
# $name ..... one of 'AES', 'Anubis', 'Blowfish', 'CAST5', 'Camellia', 'DES', 'DES_EDE',
```

```
# 'KASUMI', 'Khazad', 'MULTI2', 'Noekeon', 'RC2', 'RC5', 'RC6',
```

```
# 'SAFERP', 'SAFER_K128', 'SAFER_K64', 'SAFER_SK128', 'SAFER_SK64',
```

```
# 'SEED', 'Skipjack', 'Twofish', 'XTEA', 'IDEA', 'Serpent'
```

```
# simply any <NAME> for which there exists Crypt::Cipher::<NAME>
```

```
# $cipher_rounds ... optional num of rounds for given cipher
```

encrypt

```
my $ciphertext = $m->encrypt($plaintext, $key, $iv);
```

decrypt

```
my $plaintext = $m->decrypt($ciphertext, $key, $iv);
```

start_encrypt

```
$m->start_encrypt($key, $iv);
```

start_decrypt

```
$m->start_decrypt($key, $iv);
```

add

```
# in encrypt mode
```

```
my $plaintext = $m->add($ciphertext);
```

```
# in decrypt mode
```

```
my $ciphertext = $m->add($plaintext);
```

SEE ALSO

? CryptX, Crypt::Cipher

? Crypt::Cipher::AES, Crypt::Cipher::Blowfish, ...

? <https://en.wikipedia.org/wiki/Block_cipher_mode_of_operation#Cipher_feedback_28CFB.29>

perl v5.34.0

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