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"""PyCrypto 3DES implementation."""

from .cryptomath import \*

from .tripledes import \*

if pycryptoLoaded:

import Crypto.Cipher.DES3

def new(key, mode, IV):

return PyCrypto\_TripleDES(key, mode, IV)

class PyCrypto\_TripleDES(TripleDES):

def \_\_init\_\_(self, key, mode, IV):

TripleDES.\_\_init\_\_(self, key, mode, IV, "pycrypto")

key = bytes(key)

IV = bytes(IV)

self.context = Crypto.Cipher.DES3.new(key, mode, IV)

def encrypt(self, plaintext):

plaintext = bytes(plaintext)

return bytearray(self.context.encrypt(plaintext))

def decrypt(self, ciphertext):

ciphertext = bytes(ciphertext)

return bytearray(self.context.decrypt(ciphertext))