

Utilitarian Component

EZDES



IIM SERVICES AGENCY

Text and files encryption using the DES / 3DES (Triple DES) protocol

EZDES has been developed in order to bring a solution for security needs, when protecting sensitive data is mandatory either on storage, either on transferring them through a physical media or through Internet. This component allows linking any application developed with Windev and brings an easy way to have a standard between your softwares. It does provide two encryption options : DES and 3DES (Triple DES). They are used by the banking industry, as per example when using credit cards. Two working modes are available, ECB and CBC, this one does generate a MAC to ensure that the data are genuine.

Using this component is very easy. All is done through simple calls to the encryption and decryption functions. You have the possibility to display a progressbar , and / or time counter showing the treatment remaining time. Our example both in French and English provides all the details needed to use the component's functions.

DES / 3DES Component - Example

Process
 File Text

Encryption algorithm
 DES
 3DES

Process Mode
 ECB
 CBC MAC

File Details
 Integrated

Action
 Encrypt
 Decrypt

Extension

Process Display
 Progress bar
 Timer

Source directory
C:\Program Files\IIM\EZDES Example

Destination directory
C:\Program Files\IIM\EZDES Example

Password
12345678

Message Authentication Code (MAC)
p'ävöšÖei

Initialisation Vector (IV)
asdfghjk

Padding Type
 ISO/IEC 7816-4 ANSI X923
 PKCS7 ISO 10126

Texte - 17381 caractères
Et beaucoup de Folie, et encore plus de Péché
Et d'Horreur font l'âme de l'intrigue !
Mais voyez, à travers la cohue des mimes,
Une forme rampante fait sont entrée !

Encrypted Text - 17384 characters
C7h7xKCE@|L'z i7..KY7-p#™-
0%_ &½@3-4/E1/2!!\$m\^Y. |G³ÜfÉ{tp 10
\$~!F34<-J%.ÖÁ±!lyG0aδ~BkÈiAIIÖNñ+IàÓÚ
ZL*órlÜ»Š>»b iUÜq,i-á"êäÁÜ)Ao É«†
elø F"A?

4A 65 20 6E 65 20 70 75 69 73
20 70 61 73 20 6D 65 20 72 61
70 70 65 6C 65 72 2C 20 73 75
72 20 6D 6F 6E 20 E2 6D 65 2C

C7 B2 68 37 D7 6C 4B 8C AE 05
4C B0 7A A0 ED 02 84 4B 59 02
15 70 A5 99 97 30 89 5F 26 BD
A9 33 15 C6 BD B3 13 24 6D 8D

File to File Encrypt Clear text Decrypt Clear text

Block in process
Time 0:00:29
Remaining 0:00:00

Bloc Reading size
 1MB 2MB 4MB 8MB 16MB 32MB 64MB 128MB

100 %