使用MD5算法加密VFP数据 PDF转换可能丢失图片或格式，建议阅读原文 https://www.100test.com/kao_ti2020/138/2021_2022__E4_BD_BF_E7_94_A8MD5_E7_c98_138863.htm 使用MD5算法加密VFP数据 我们的VFP数据太开放了些，用Excel随便打开一个DBF表，里面的数据就一览无遗。如果数据是比较敏感的话，可就坏事了。例如：我的数据录入员的程序登录密码是放在一个VFP表里，经过加密，就算用Excel打开DBF表，也是看不到密码的。从一个随书资料盘上见到此段代码，供大家参考。 ---------- ********md5.prg********** FUNCTION LShift(lvalue, iShiftBits) IF iShiftBits = 0 RETURN lvalue ELSE IF iShiftBits = 31 IF BITAND(lvalue , 1)0 RETURN 0x80000000 ELSE RETURN 0 ENDIF ENDIF ENDIF IF BITAND(lvalue , m_l2Power(31 - iShiftBits))0 RETURN BITOR((BITAND(lvalue , m_lOnBits(31 - (iShiftBits 1))) * m_l2Power(iShiftBits)) , 0x80000000) ELSE RETURN (BITAND(lvalue , m_lOnBits(31 - iShiftBits)) * m_l2Power(iShiftBits)) ENDIF ENDFUNC FUNCTION RShift(lvalue, iShiftBits) IF iShiftBits = 0 RETURN lvalue ELSE IF iShiftBits = 31 IF BITAND(lvalue , 0x80000000) RETURN 1 ELSE RETURN 0 ENDIF ENDIF ENDIFRShift2 = INT(BITAND(lvalue , 0x7FFFFFFE) / m_l2Power(iShiftBits)) IF BITAND(lvalue , 0x80000000)0 RShift2 =BITOR (RShift2 , INT(0x40000000 / m_l2Power(iShiftBits - 1))) ENDIF RETURN RShift2 ENDFUNC FUNCTION RotateLeft(lvalue, iShiftBits) RETURN BITOR(LShift(lvalue, iShiftBits) ,RShift(lvalue, (32 - iShiftBits)))

ENDFUNC FUNCTION AddUnsigned(lX, lY) lX8 = BITAND(lX , 0x80000000) lY8 = BITAND(lY , 0x80000000) lX4 = BITAND(lX , 0x40000000) lY4 = BITAND(lY , 0x40000000) lResult = BITAND(lX , 0x3FFFFFFF) BITAND(lY , 0x3FFFFFFF) IF BITAND(lX4 , lY4) 0 lResult = BITXOR(BITXOR(BITXOR(lResult , 0x80000000) , lX8) , lY8) ELSE IF BITOR(lX4 , lY4) 0 IF BITAND(lResult , 0x40000000) 0 lResult = BITXOR(BITXOR(BITXOR(lResult , 0xC0000000) , lX8) , lY8) ELSE lResult = BITXOR(BITXOR(BITXOR(lResult , 0x40000000) , lX8) , lY8) ENDIF ELSE lResult = BITXOR(BITXOR(lResult , lX8) , lY8) ENDIF ENDIF RETURN lResult ENDFUN C FUNCTION md5_F(x, y, z) RETURN BITOR(BITAND(x , y) , BITAND(BITNOT(x) , z)) ENDFUNC FUNCTION md5_G(x, y, z) RETURN BITOR(BITAND(x , z) , BITAND(y , BITNOT(z))) ENDFUNC FUNCTION md5_H(x, y, z) RETURN BITXOR(BITXOR(x , y) , z) ENDFUNC FUNCTION md5_I(x, y, z) RETURN BITXOR(y , BITOR(x , BITNOT(z))) ENDFUNC PROCEDURE md5_FF(a, b, c, d, x, s, ac) a = AddUnsigned(a, AddUnsigned(AddUnsigned(md5_F(b, c, d), x), ac)) a = RotateLeft(a, s) a = AddUnsigned(a, b) ENDPROC PROCEDURE md5_GG(a, b, c, d, x, s, ac) a = AddUnsigned(a, AddUnsigned(AddUnsigned(md5_G(b, c, d), x), ac)) a = RotateLeft(a, s) a = AddUnsigned(a, b) ENDPROC PROCEDURE md5_HH(a, b, c, d, x, s, ac) a = AddUnsigned(a, AddUnsigned(AddUnsigned(md5_H(b, c, d), x), ac)) a = RotateLeft(a, s) a = AddUnsigned(a, b) ENDPROC PROCEDURE

md5_II(a, b, c, d, x, s, ac) a = AddUnsigned(a, AddUnsigned(AddUnsigned(md5_I(b, c, d), x), ac)) a = RotateLeft(a, s) a = AddUnsigned(a, b) ENDPROC FUNCTION Hex(lByte) x=’’ DO WHILE lByte>0 IF lByte>=16 y=lByte ELSE y=lByte ENDIF IF y=0 x=STR(y,1) x ELSE x=CHR(65 y-10) x ENDIF lByte=(lByte-y)/16 ENDDO RETURN x ENDFUNC FUNCTION WordToHex(lvalue) lResult=’’ FOR lCount = 0 TO 3 lByte = BITAND(RShift(lvalue, lCount * BITS_TO_A_BYTE), m_lOnBits(BITS_TO_A_BYTE)) lResult = lResult RIGHT("0" Hex(lByte), 2) ENDFOR RETURN lResult ENDFUNC