1. This note outlines the security arrangements in coecontact.
   1. Some of the help notes explain it further, and the exact algorithms are evident in the VBA code.
   2. The VBA used for security contains various hard-coded constants that could be changed to create a unique security system. Such changes if made, would have to be duplicated in CreateCC\_Licence.accdb
   3. Alternatively a library file, say C\_Lib.accde, could be used to contain the common VBA procedures. In which case a VBA reference to C\_Lib.accde would have to be put into both C\_Soft and CreateCC\_Licence.accdb.
2. C\_Soft.accde is protected by the following means:
   1. On opening the file, the code in  
      Public Function SetStartupProperties(booTF As Boolean) (in the module Parameters) is run. It sets various properties, such as:  
      ChangeProperty "StartupShowDBWindow", DB\_Boolean, False
   2. In frmInit\_2 the user enters a password; it is hashed and the result must match the hashed value saved in tblUser in UserPwEncrypt1 and UserPwEncrypt2
   3. The user is given various security settings, which chiefly govern what the user will see. These values are saved in tblUserPP (for Permissions and Preferences). The permissions are protected from interference by another hashing algorithm. A user may not change his or her permissions, but may change his or her preferences. The permissions are allocated in frmUserMaintenance and its sub-form frmUserPermissions.
      1. In tblUserPP user permissions have UserPP\_Type = 1 and user preferences have UserPP\_Type =2. New permissions and preferences can be devised and suitable records added to the table.
   4. The file C\_Soft.accdb is published as C\_Soft.accde
   5. C\_Soft.accde is further protected by the ‘Code Protector for Access’ utility, available from EverthingAccess.com
3. C\_Data.accdb is encrypted and password protected with the Microsoft Access utility. The database password may be read as follows.
   1. Log-on in C\_Soft as a user with Db Admin permission.
   2. Change your password to ‘developer97’. This password is hard coded in frmInit2 and should be changed if unique security is required. If you wish to change it, proceed as follows:
      1. Change your password from ‘developer97’ to something of your choice.
      2. The relevant code is found in the VBA sub-routine PasswordGood in frmInit2
      3. The crucial lines of code are:  
          If UserCheckSum(strPassword, 71843956) = 143195020 Then

booDeveloper = True

* + 1. Insert a message box just before the ‘If … Then’ statement:  
        MsgBox “dbg “ & UserCheckSum(strPassword, 71843956)
    2. But change the arbitrary constant 71843956 to another eight digit arbitrary constant.
    3. Run coecontact again and note the numerical value shown by the MsgBox
    4. In the VBA, change the value 143195020 to the value shown by the MsgBox
    5. All being well, delete the MsgBox, Compact and Repair and verify that Me.txtDateHash1 and Me.txtDateHash2 are both visible.
  1. Log-on again using this password. Two date dependent numbers appear to the right of the User Name. The number to the left is for Office 2003 editions, the number to the right is for Office 2010 editions. Copy this number.
  2. On the main switchboard, click the DB Admin tab
  3. Click ‘Data table link management …’
  4. Click the tab ‘Database Passwords
  5. Click the button ‘Show any passwords …’
  6. On the pop-up paste in the number form the log-on screen, OK
  7. See the database passwords.
  8. See Help Note 18, [?] button top right.

1. The security of C\_Soft.accde may be partly disabled as follows:
   1. Having proceeded as far as (3.5) above
   2. Click the button ‘Permit emergency recovery’
   3. On the pop-up, paste in the number from the log-on screen, OK
   4. A message box appears, saying how to see the database screen after logging on again. That permits manual correction of table links etc.
2. Permissions
   1. Users should be encouraged to set ‘My Preferences’ (available on the Main Switchboard). There, Help Note 900 explains the choices available.