
AUTOCENTER A FORM

Option Compare Database

' API declarations:

```
Private Declare PtrSafe Function apiGetClientRect Lib "user32" Alias "GetClientRect" (ByVal hwnd As Long, lpRect As typRect) As Long
Private Declare PtrSafe Function apiGetWindowRect Lib "user32" Alias "GetWindowRect" (ByVal hwnd As Long, lpRect As typRect) As Long
Private Declare PtrSafe Function apiSetWindowPos Lib "user32" Alias "SetWindowPos" (ByVal hwnd As Long, ByVal hWndInsertAfter As Long, ByVal x As Long, ByVal y As Long, ByVal cx As Long, ByVal cy As Long, ByVal wFlags As Long) As Long
Private Declare PtrSafe Function apiShowWindow Lib "user32" Alias "ShowWindow" (ByVal hwnd As Long, ByVal nCmdShow As Long) As Long
```

' Type declarations:

```
Private Type typRect
```

```
    Left As Long
```

```
    Top As Long
```

```
    Right As Long
```

```
    Bottom As Long
```

```
End Type
```

' Constant declarations:

```
Private Const SW_RESTORE = 9
```

```
Private Const SWP_NOSIZE = &H1 ' Don't alter the size
```

```
Private Const SWP_NOZORDER = &H4 ' Don't change the Z-order
```

```
Private Const SWP_SHOWWINDOW = &H40 ' Display the window
```

```
' *****
```

```
' * Center a form in the Access window *
```

```
' *****
```

```
' Created 1-22-2002 by Peter M. Schroeder
```

Tutorials for msAccess : Autocenter A Form

Public Function gfncCenterForm(parForm As Form) As Boolean

```
Dim varAccess As typRect, varForm As typRect
Dim varX As Long, varY As Long
On Error GoTo CenterForm_Error
Call apiGetClientRect(hWndAccessApp, varAccess) ' Get the Access client area coordinate
Call apiGetWindowRect(parForm.hwnd, varForm) ' Get the form window coordinates
varX = CLng((varAccess.Left + varAccess.Right) / 2) - CLng((varForm.Right - varForm.Left) / 2) ' Calculate a new left for the form
varY = CLng((varAccess.Top + varAccess.Bottom) / 2) - CLng((varForm.Bottom - varForm.Top) / 2) ' Calculate a new top for the form
varY = varY - 45 ' Adjust top for true center
varY = varY - 20 ' Adjust top for appearance
Call apiShowWindow(parForm.hwnd, SW_RESTORE) ' Restore form window
Call apiSetWindowPos(parForm.hwnd, 0, varX, varY, (varForm.Right - varForm.Left), (varForm.Bottom - varForm.Top), SWP_NOZORDER Or
SWP_SHOWWINDOW Or SWP_NOSIZE) ' Set new form coordinates
gfncCenterForm = True
Exit Function
CenterForm_Error:
gfncCenterForm = False
```

End Function

Rem Call the function

```
Rem DoCmd.MoveSize 100, 5, 12000, 5000
```

Call gfncCenterForm(Me) ' Autocenter the form

```
'-----
```