

VisualBasic内嵌汇编语言解决方案 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/137/2021_2022_VisualBasi_c97_137987.htm

在Windows中我们可以用“Ctrl + Shift”键来调入或切换中文输入法，但是这样做每次都是使位于输入法列表顶端的那个输入法首先被调用。通常我们都要连续按好几次“Ctrl + Shift”才能将习惯的输入法调出。我编制了一段小程序，通过它可以把任意一个输入法放在输入法列表的顶端。它的原理是：使用LoadKeyboardLayout函数可以改变输入法的顺序，只要在第一个参数中传递目标输入法的KeyboardlayoutName，第二个参数用KLF_REORDER就可以了。例如，aa = LoadKeyboardLayout(00000409 , KLF_REORDER)使英文变成第一。那怎样获得KeyboardlayoutName呢？因为使用GetKeyboardLayoutname可以返回当前输入法的KeyboardlayoutName，所以我们可以先用GetKeyboardLayoutList函数来取得所有输入法，再用activateKeyboardlayout()函数设置当前输入法，最后就可以得到它的KeyboardlayoutName了。具体步骤如下：打开VB后选择标准的EXE文档，在Form1上添加一个Combobox和一个command控件，输入以下程序。 以下的API函数用于输入法操作

```
Private Declare Function GetKeyboardLayoutList Lib user32 _ (ByVal nBuff As Long, lpList As Long) As Long
Private Declare Function ImmGetDescription Lib imm32.dll _ Alias ImmGetDescriptionA (ByVal hkl As Long, _ ByVal lpsz As String, ByVal uBufLen As Long) As Long
Private Declare Function ImmIsIME Lib imm32.dll (ByVal hkl As Long) As
```

```

Long Private Declare Function ActivateKeyboardLayout Lib
    user32 _ (ByVal hkl As Long, ByVal flags As Long) As Long
Private Declare Function GetKeyboardLayout Lib user32
    (ByVal dwLayout As Long) As Long Private Declare Function
GetKeyboardLayoutName Lib user32 Alias _
    GetKeyboardLayoutNameA (ByVal pwszKLID As String) As
Long Private Declare Function LoadKeyboardLayout Lib user32
    Alias LoadKeyboardLayoutA _ (ByVal pwszKLID As String,
ByVal flags As Long) As Long Const KLF_REORDER = &H8
Private NoOfKBDLayout As Long, i As Long, j As Long Private
hKB(24) As Long, BuffLen As Long Private Buff As String Private
RetStr As String Private RetCount As Long Private kln As String
Private Sub Command1_Click() If Combo1.ListIndex = - 1 Then
    如果用户尚未选择输入法，显示出错信息 MsgBox 请先选
    择一个输入法 Exit Sub End If 改变输入法顺序 kln =
String(8, 0) ActivateKeyboardLayout hKB(Combo1.ListIndex), 0 res
= GetKeyboardLayoutName(kln) res = LoadKeyboardLayout(kln,
KLF_REORDER) ActivateKeyboardLayout hCurKBDLayout, 0
End Sub Private Sub Form_Load() Buff = String(255, 0)
hCurKBDLayout = GetKeyboardLayout(0) 取得目前的输入法
NoOfKBDLayout = GetKeyboardLayoutList(25, hKB(0)) 取得
所有输入法 ReDim layoutlist(NoOfKBDLayout) As String For i
= 1 To NoOfKBDLayout If ImmIsIME(hKB(i - 1)) = 1 Then 中
文输入法 BuffLen = 255 RetCount = ImmGetDescription(hKB(i -
1), Buff, BuffLen) RetStr = Left(Buff, RetCount) Combo1.AddItem
RetStr Else RetStr = English (American) 英文输入法

```

```
Combo1.AddItem RetStr End If Next ActivateKeyboardLayout  
hCurKBDLayout, 0 恢复原来的输入法 End Sub 100Test 下载  
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