

# MAPISendMail Hangs

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.windowsforms/2005-07/msg00361.h>

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  - *Date:* Wed, 13 Jul 2005 19:16:18 +0200
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Hello Group!

MAPISendMail hangs forever.

It only works if in the VS.NET debugger I hit a breakpoint anywhere *\*after\** MAPILogon and *\*before\** MAPISendMail. Without breakpoint the app hangs forever on MAPISendMail.

Funny thing is, if the app starts a minimised Notepad just before MAPISendMail, it (MAPI) will continue after which the app kills the Notepad proces. This is a very ugly trick.

This problem occurs in a large MDI app but not in a small test Windows.Forms app!  
(If the MAPI calls are put on a separate thread then MAPILogin fails).

What could be the reason and fix?

Thanx in advance for any pointers,  
Marius.

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Some code snippets:

```
' hwnd = IntPtr.Zero or MDI.Handle: No difference
' flags = MAPI_LOGON_UI+MAPI_NEW_SESSION: No difference

' no problem
dim result as Integer = MAPILogon(hwnd, Nothing, Nothing, MAPI_LOGON_UI, 0,
session)

Dim msg as MapiMessage
msg.Subject = subject
msg.NoteText = body
msg.MessageType = ""
msg.RecipCount = 1
```

## MAPI SendMail Hangs

```
Dim recip As MapiRecip
recip.RecipClass = MAPI_TO
recip.Name = toEmail

size = Marshal.SizeOf(recip.GetType)
ptr = Marshal.AllocHGlobal(size)
Marshal.StructureToPtr(recip, ptr, False)
msg.Recips = ptr

' *BLOCK* if no 'pause'
msg = MAPI SendMail(session, hwnd , msg, MAPI_LOGON_UI, 0)

' log off

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<DllImport("mapi32.dll")> _
Public Shared Function MAPILogon(ByVal hwnd As IntPtr, _
ByVal username As String, _
ByVal password As String, _
ByVal flags As Integer, _
ByVal reserved As Integer, _
ByRef session As IntPtr) As Integer
End Function

<DllImport("mapi32.dll")> _
Public Shared Function MAPILogoff(ByVal session As IntPtr, _
ByVal hwnd As IntPtr, _
ByVal flags As Integer, _
ByVal reserved As Integer) As Integer
End Function

<DllImport("mapi32.dll")> _
Public Shared Function MAPI SendMail(ByVal session As IntPtr, _
ByVal hwnd As IntPtr, _
ByRef message As MapiMessage, _
ByVal flags As Integer, _
ByVal reserved As Integer) As Integer
End Function

<StructLayout(LayoutKind.Sequential, CharSet:=CharSet.Ansi)> _
Private Structure MapiMessage
Public Reserved As Integer
Public Subject As String
Public NoteText As String
Public MessageType As String
Public DateReceived As String
Public ConversationID As String
Public Flags As Integer
Public originator As IntPtr
Public RecipCount As Integer
```

MAPI SendMail Hangs

## MAPI SendMail Hangs

Public Recips As IntPtr  
Public FileCount As Integer  
Public Files As IntPtr  
End Structure

<StructLayout(LayoutKind.Sequential, CharSet:=CharSet.Ansi)> \_  
Private Structure MapiRecipient  
Public Reserved As Integer  
Public RecipClass As Integer  
Public Name As String  
Public Address As String  
Public EIDSize As Integer  
Public EntryID As IntPtr  
End Structure

<StructLayout(LayoutKind.Sequential, CharSet:=CharSet.Ansi)> \_  
Private Structure MapiFile  
Public Reserved As Integer  
Public Flags As Integer  
Public Position As Integer  
Public PathName As String  
Public FileName As String  
Public FileType As IntPtr  
End Structure

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