

Sending E-mail from Lotus Notes using VB.NET

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Sending E-mail from Lotus Notes using VB.NET

1. Lotus Notes COM Interop Component

The COM Interop component for Lotus Domino Objects (Interop.Domino.dll) must be included as a reference in the VB.NET solution project. The Add Reference window with the selection of Lotus Domino Objects is shown below (Fig.1).

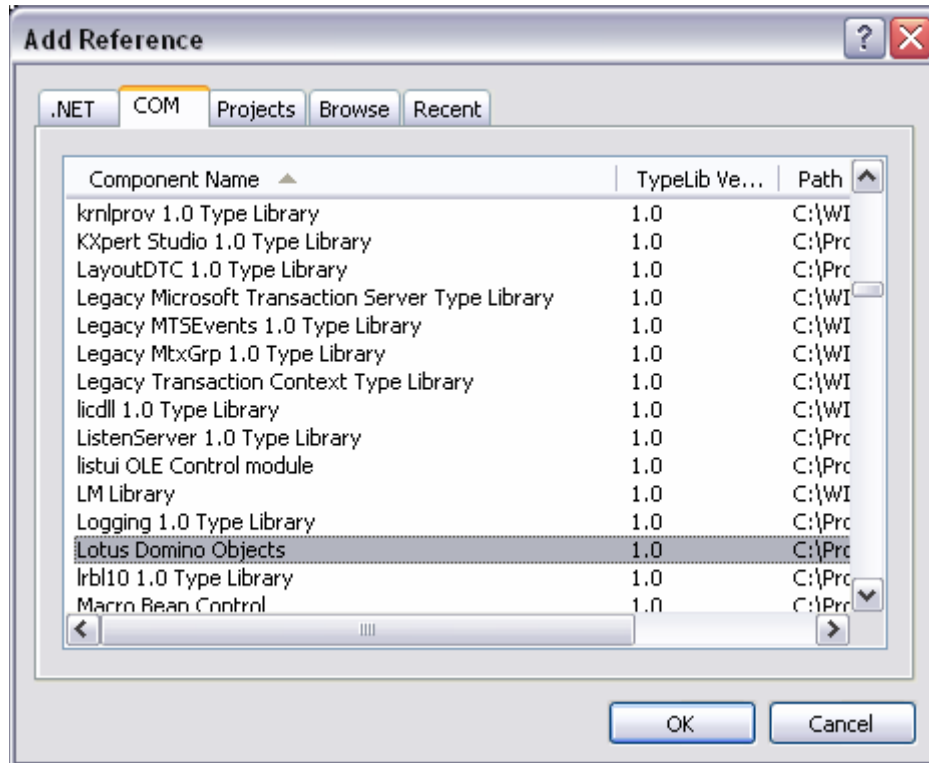


Fig.1 VB.NET Add Reference window

2. Defining Lotus Notes Server and Database Name

To define your local Lotus Notes server and database, go to File, select Mobile and then click on Locations. Lotus will show the windows below (Fig.2). Double-click on Default Location to view your personal Locations parameters (Fig.3)

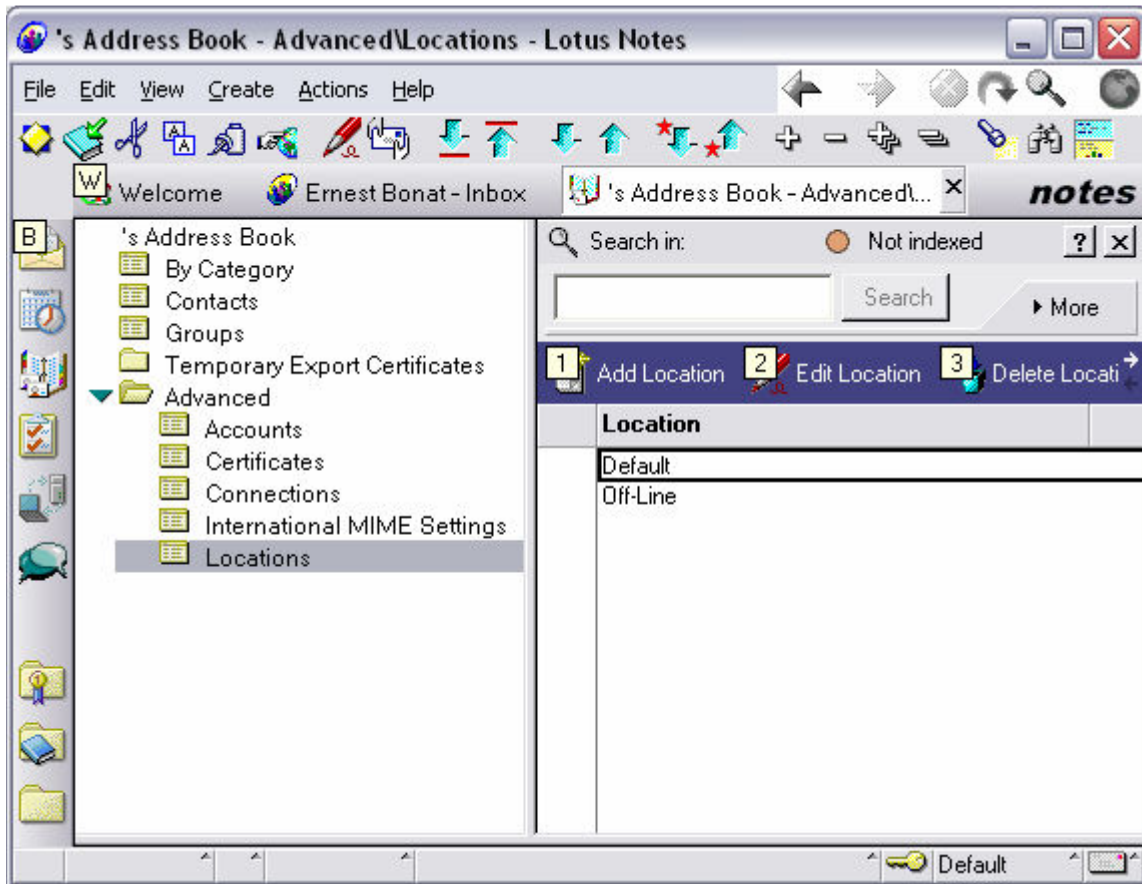


Fig.2 Lotus Notes Locations folder

Click on the tab *Servers* (Fig.3) to get your *Home/mail server*: as your local Server Name.
Example: E835MAIL15/EBC/VisualWWWCo.

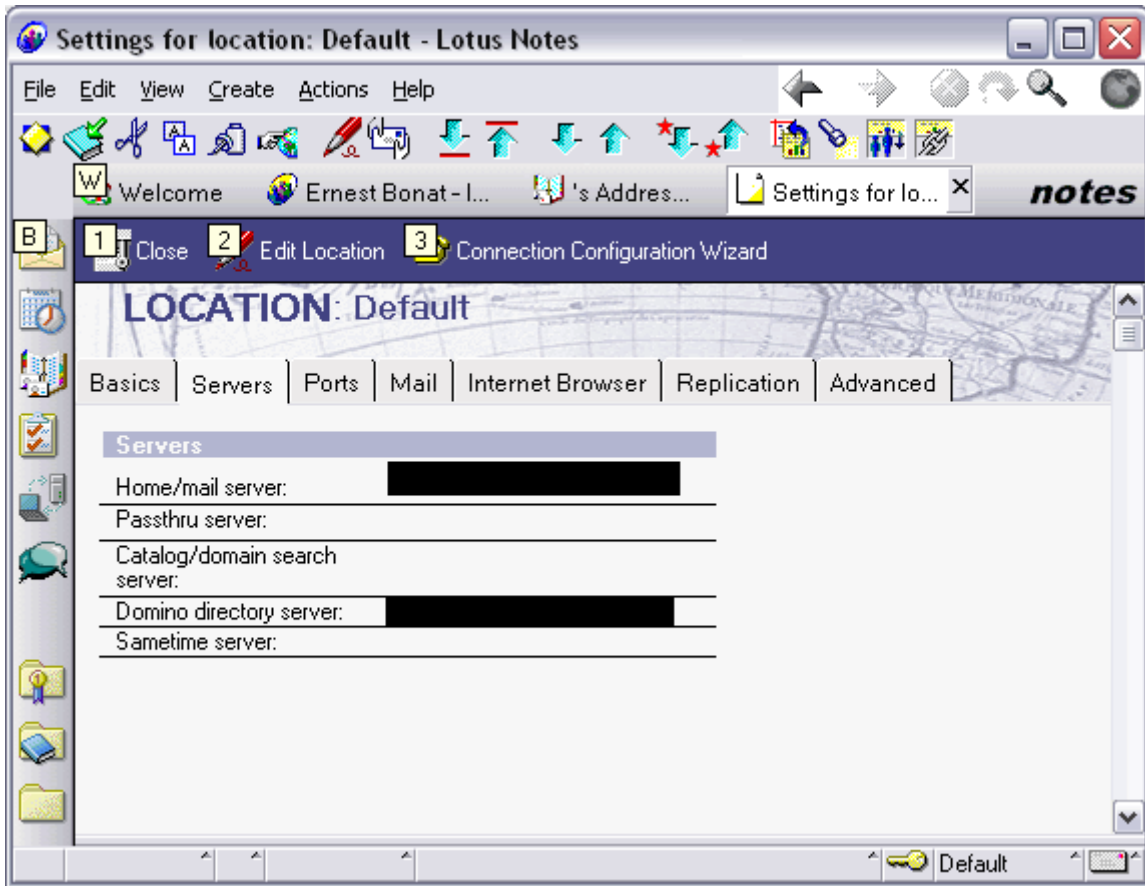


Fig.3 Lotus Notes Location Servers parameters

Click on the tab *Mail* (Fig.4) to get your *Mail file*: as your local Database File Name. Example: mail_e/end6735.nsf.

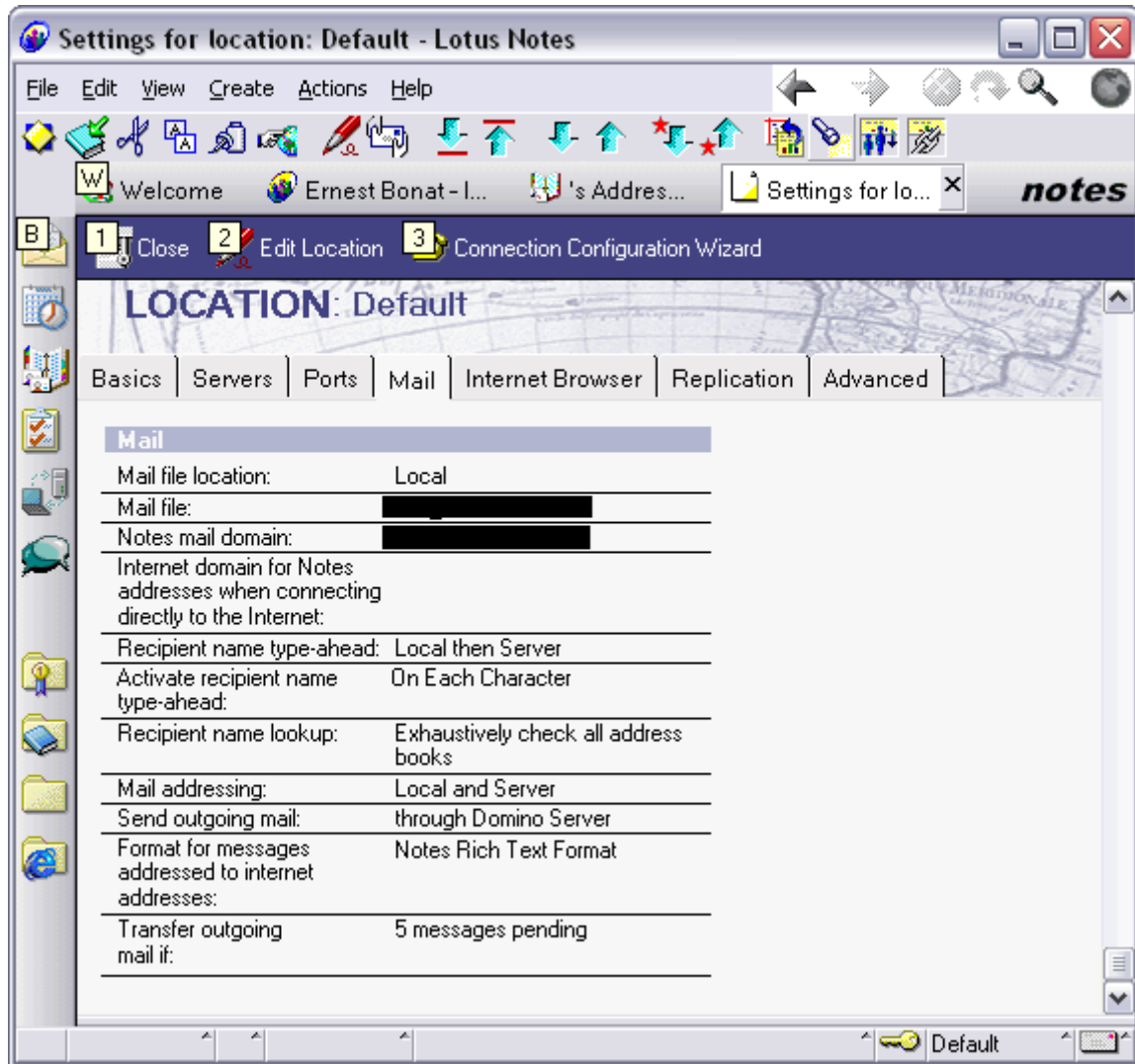


Fig.4 Lotus Notes Location Mail parameters

3. Source Code

The LotusNotesClass class VB.NET code is shown below in Fig.5. The function SendEmailLotusNotes had been Overridable with and without attached file if required.

```
Namespace VisualWWW

Public Class LotusNotesClass
    Inherits COBJECTDispose
    Private objNotesSession As Domino.NotesSession
    Private objNotesDatabase As Domino.NotesDatabase
    Private objNotesDocument As Domino.NotesDocument
    Private objNotesRichTextItem As Domino.NotesRichTextItem
    Private objNotesItem As Domino.NotesItem

    Public Overridable Sub SendEmailLotusNotes(ByVal pPasswordString As String, _
                                              ByVal pServerString As String, _
                                              ByVal pDatabaseString As String, _
                                              ByVal pSendToString As String, _
                                              ByVal pSubjectString As String, _
                                              ByVal pBodyString As String, _
                                              ByVal pAttachFileString As String, _
                                              ByRef pErrorMessageString As String)

    Try
        objNotesSession = New Domino.NotesSession
        objNotesSession.Initialize(pPasswordString)
        objNotesDatabase = objNotesSession.GetDatabase(pServerString, pDatabaseString)
        objNotesDocument = objNotesDatabase.CreateDocument()
        objNotesItem = objNotesDocument.ReplacetItemValue("Form", "Memo")
        objNotesItem = objNotesDocument.ReplacetItemValue("Subject", pSubjectString)
        If pAttachFileString.Length > 0 Then
            objNotesRichTextItem = objNotesDocument.CreateRichTextItem("Body")
            objNotesRichTextItem.AppendText(pBodyString & Environment.NewLine &
            Environment.NewLine)
            objNotesRichTextItem.EmbedObject(Domino.EMBED_TYPE.EMBED_ATTACHMENT,
            "", pAttachFileString)
        End If
        objNotesDocument.Send(False, CType(pSendToString, Object))
    Catch ex As Exception
        pErrorMessageString = ex.Message
    Finally
        If Not objNotesItem Is Nothing Then
            objNotesItem = Nothing
        End If
        If Not objNotesRichTextItem Is Nothing Then
            objNotesRichTextItem = Nothing
        End If
        If Not objNotesDocument Is Nothing Then
            objNotesDocument = Nothing
        End If
        If Not objNotesDatabase Is Nothing Then
            objNotesDatabase = Nothing
        End If
        If Not objNotesSession Is Nothing Then
            objNotesSession = Nothing
        End If
    End Try
End Class
```

```
End If
End Try
End Sub

Public Overridable Sub SendEmailLotusNotes(ByVal pPasswordString As String, _
                                           ByVal pServerString As String, _
                                           ByVal pDatabaseString As String, _
                                           ByVal pSendToString As String, _
                                           ByVal pSubjectString As String, _
                                           ByVal pBodyString As String, _
                                           ByRef pErrorMessageString As String)

    Try
        objNotesSession = New Domino.NotesSession
        objNotesSession.Initialize(pPasswordString)
        objNotesDatabase = objNotesSession.GetDatabase(pServerString, pDatabaseString)
        objNotesDocument = objNotesDatabase.CreateDocument()
        objNotesItem = objNotesDocument.ReplaceItemValue("Form", "Memo")
        objNotesItem = objNotesDocument.ReplaceItemValue("Subject", pSubjectString)
        objNotesRichTextItem = objNotesDocument.CreateRichTextItem("Body")
        objNotesRichTextItem.AppendText(pBodyString)
        objNotesDocument.Send(False, CType(pSendToString, Object))
    Catch ex As Exception
        pErrorMessageString = ex.Message
    Finally
        If Not objNotesItem Is Nothing Then
            objNotesItem = Nothing
        End If
        If Not objNotesRichTextItem Is Nothing Then
            objNotesRichTextItem = Nothing
        End If
        If Not objNotesDocument Is Nothing Then
            objNotesDocument = Nothing
        End If
        If Not objNotesDatabase Is Nothing Then
            objNotesDatabase = Nothing
        End If
        If Not objNotesSession Is Nothing Then
            objNotesSession = Nothing
        End If
    End Try
End Sub

End Class

Public Class CObjectDispose
    Implements IDisposable
    Public Sub Dispose() Implements IDisposable.Dispose
        GC.SuppressFinalize(Me)
    End Sub
End Class

End Class

End Namespace
```

Fig.5 LotusNotesClass Class VB.NET code

The code of FormLotusNotes Form is shown below in Fig.6.

```
Imports SendEmailLotusNotes.VisualBasic
```

```
Public Class FormLotusNotes
```

```
    Private mObjLotusNotes As New LotusNotesClass
```

```
    Private mErrorMessageString As String
```

```
    Private Sub ButtonSendEmail_Click(ByVal sender As System.Object,  
                                      ByVal e As System.EventArgs)  
        Handles ButtonSendEmail.Click
```

```
        Cursor = Cursors.WaitCursor
```

```
        Call mObjLotusNotes.SendEmailLotusNotes("The Password", _  
                                                "The Server name", _  
                                                "The Database File name", _  
                                                "Send To", _  
                                                "The Subject", _  
                                                "The Body", _  
                                                "Attached file path and name", _  
                                                mErrorMessageString)
```

```
        If Not mErrorMessageString Is Nothing Then
```

```
            Cursor = Cursors.Default
```

```
            MessageBox.Show("Unable to send e-mail to " & _  
                            "Send To" & ". " & _  
                            mErrorMessageString)
```

```
        End If
```

```
        If Not mObjLotusNotes Is Nothing Then
```

```
            mObjLotusNotes.Dispose()
```

```
            mObjLotusNotes = Nothing
```

```
        End If
```

```
        Cursor = Cursors.Default
```

```
    End Sub
```

```
End Class
```

Fig.6 FormLotusNotes Form VB.NET code

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