



TOTAL Recall

INSTALLATION INSTRUCTIONS

1. Copy the TOTAL Recall database using filename **RECALL.NSF** to the root Mail server folder.
2. The **-Default-** ACL Access (or end user access) must be set to: **Author**(+Create documents, +Replicate or copy documents)
3. Open the TOTAL Recall database on server and click the **Enable Scheduler** button using a Lotus Notes ID which is listed in the mail server document security setting **Run restricted LotusScript/Java agents**. The Lotus Notes ID must have at least Editor access with the Delete documents privilege in each user's mailbox. i.e. Administrator Notes ID or Server Notes ID
4. Instruct users to open the RECALL.NSF database, then click the **Recall Message** button when they want to recall a message. NOTE: A Domino Administrator can recall a message sent by any user if the Lotus Notes ID which opens the RECALL.NSF database has the "[Admin]" Role assigned or at least Designer ACL Access. The Lotus Notes ID must have at least Reader access to the user's mailbox.

OPTIONAL: The instructions below enables users to Recall messages directly from the Sent view in their mailbox. It requires 1 design element modification in the server mail template. Users can then click a "Recall Message..." button which will appear in their Sent view.

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3. Open the TOTAL Recall database on server and click the **Enable Scheduler** button using a Lotus Notes ID which is listed in the mail server document security setting **Run restricted LotusScript/Java agents**. The Lotus Notes ID must have at least Editor access with the Delete documents privilege in each user's mailbox. i.e. Administrator Notes ID or Server Notes ID
4. **Copy** the green highlighted LotusScript code below to the clipboard.
5. Open the server's mailbox template, for example, **MAIL6.NTF, MAIL7.NTF, MAIL8.NTF**, and edit the (**\$Sent**) View design element. Create a view action button labeled "**Recall Message...**", delete the default text that appears in the window, then **paste** the LotusScript code from the clipboard. All the user mailbox designs should automatically refresh by default overnight, otherwise, you can force manually from the server console. i.e. LOAD DESIGN -d MAIL

Step 4 addendum:

LotusScript Code: (Action) Recall Message...

Sub Click(Source As Button)

' The RecallFile constant value below must match the TOTAL Recall database filename

```
*****
Const RecallFile = "RECALL.NSF"
*****
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' DO NOT MODIFY CODE BELOW

```
Dim ws As New NotesUIWorkspace
Dim session As New NotesSession
On Error Goto ErrHandle
Title = "Recall Message"
Set CurrentDB = session.CurrentDatabase
Set PostDoc = session.DocumentContext
CurrentServer = CurrentDB.Server
OnlineFlag = 1
If CurrentServer = "" Then
    Msg = "You are using a Local mailbox replica. Outgoing mail must be replicated with your mail server before proceeding." & Chr(13) & Chr(13) & _
    "CONTINUE ?"
    askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
    If askme <> 1 Then Exit Sub
    MailServer = session.GetEnvironmentString("MailServer", True)
    Set db = New NotesDatabase(MailServer, RecallFile)
    If db.IsOpen Then OnlineFlag = 1 Else OnlineFlag = 0
    If OnlineFlag = 0 Then
        Set db = New NotesDatabase( "", RecallFile )
        If Not db.IsOpen Then
            MsgBox "Please connect to your Lotus Notes network before trying to recall a message.", , Title
            Exit Sub
        End If
    End If
End If
If CurrentServer <> "" Then Set db = New NotesDatabase(CurrentServer , RecallFile)
If Not db.IsOpen Then
```

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Msgbox "Message recall database (" & RecallFile & ") not found on your mail server.", , Title
Exit Sub
End If
Set ProfileDoc = db.GetProfileDocument("Server Cookies", "NoCache")
RecallOnceFlag = ProfileDoc.RecallOnce(0)
If PostDoc.HasItem("IVE_MessageRecallDate") Then
Msg1 = "The message has already been recalled on " & PostDoc.IVE_MessageRecallDate(0) & "."
If RecallOnceFlag = "No" Then
Msg2 = "Recall message again?"
check = ws.Prompt(PROMPT_YESNO, Title, Msg1 & Chr(13) & Msg2)
If check = 0 Then Exit Sub
Else
Msg2 = "You do not have access to recall the message again."
Msgbox Msg1 & Chr(13) & Msg2, , Title
Exit Sub
End If
End If
Msg = "Some recipients may have already read this message." & Chr(13) & Chr(13) & "Message recall can delete copies of this message in recipient Inboxes,
"Are you sure you want to delete inbox copies of this message?"
askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
If askme <> 1 Then Exit Sub
SelectRecipientsPrompt = ProfileDoc.RecallSelectRecipients(0)
Msg1 = "Select recipients to recall from. A message can only be recalled from recipients using Lotus Notes Mail." & Chr(13) & Chr(13) & "NOTE: " & _
"Click Cancel to Deselect All recipients. Selected recipients are blue highlighted."
Recipients = Evaluate(!@Name([abbreviate]; @Trim(SendTo : CopyTo : BlindCopyTo)), PostDoc)
If SelectRecipientsPrompt = "Yes" Or SelectRecipientsPrompt = "" Then
RecipientCount = Ubound(Recipients) + 1
If RecipientCount > 1 Then
SelectedRecipients = ws.Prompt(PROMPT_OKCANCELLISTMULT, Title, Msg1, Recipients, Recipients)
Msg2 = "Select recipients to recall from. A message can only be recalled from recipients using Lotus Notes Mail." & Chr(13) & Chr(13) &
"Selected recipients are blue highlighted."
If Isnumeric(SelectedRecipients) And ClientType <> "Web" Then SelectedRecipients = ws.Prompt(PROMPT_OKCANCELLISTMULT,
If Isnumeric(SelectedRecipients) Then
Msgbox "Message recall cancelled!", , Title
Exit Sub
End If
Else
SelectedRecipients = Recipients(0)
End If
End If
End If
If SelectRecipientsPrompt = "No" Then SelectedRecipients = Recipients
' Recipients names must be converted back to Canonical format for nested group optimization
ProfileDoc.SelectedRecipients = SelectedRecipients
SelectedRecipients = Evaluate(!@Name([Canonicalize]; SelectedRecipients), ProfileDoc)
RecallUnread = ProfileDoc.RecallUnread(0)
If RecallUnread = "Unread only" Then RecallUnreadFlag = "Unread only"
If RecallUnread = "BothRequired" Then RecallUnreadFlag = "Both read and unread"
If RecallUnread = "Both" Then
Msg = "Recall the message even if it has been read?"
askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
If askme = 1 Then RecallUnreadFlag = "Both read and unread" Else RecallUnreadFlag = "Unread only"
End If
RecallStub = ProfileDoc.RecallStub(0)
If RecallStub = "Disabled" Then RecallStubFlag = "No"
If RecallStub = "Required" Then RecallStubFlag = "Yes"
If RecallStub = "Optional" Or RecallStub = "" Then
Msg = " Leave a stub message after the message is recalled ?" & Chr(13) & Chr(13) & "NOTE: A stub message appears in recipient Inboxes whic
askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
If askme = 1 Then RecallStubFlag = "Yes" Else RecallStubFlag = "No"
End If
RecallStatusRep = ProfileDoc.RecallStatusReport(0)
If RecallStatusRep = "Disabled" Then RecallStatusRepFlag = "No"
If RecallStatusRep = "Required" Then RecallStatusRepFlag = "Yes"
If RecallStatusRep = "Optional" Or RecallStatusRep = "" Then
Msg = "Send a recall status report for each recipient?" & Chr(13) & Chr(13) & "NOTE: The Sender will be notified if recall succeeds or fails."
askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
If askme = 1 Then RecallStatusRepFlag = "Yes" Else RecallStatusRepFlag = "No"
End If
Set ReqDoc = db.CreateDocument
ReqDoc.Form = "Message Recall"
ReqDoc.Status = "Pending"
RecallReadersFlag = ProfileDoc.RecallReaders(0)
If RecallReadersFlag = "Yes" Or RecallReadersFlag = "" Then
Dim newValues( 1 To 5 ) As String
newValues( 1 ) = PostDoc.From(0)
newValues( 2 ) = "[Admin]"
newValues( 3 ) = db.Server
newValues( 4 ) = "LocalDomainServers"
If session.UserName <> PostDoc.From(0) Then newValues( 5 ) = session.UserName

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        Dim readersItem As New NotesItem(ReqDoc, "docReaders", Fulltrim(newValues), READERS)
    End If
    ReqDoc.RecallOnce = RecallOnceFlag
    ReqDoc.RecallSelectRecipients = SelectRecipientsPrompt
    ReqDoc.RecallUnread = RecallUnreadFlag
    ReqDoc.RecallInboxOnly = ProfileDoc.RecallInboxOnly(0)
    ReqDoc.RecallStub = RecallStubFlag
    ReqDoc.RecallStatusRep = RecallStatusRepFlag
    ReqDoc.PostedDate = PostDoc.PostedDate(0)
    If PostDoc.HasItem( "$MessageID" ) Then ReqDoc.MessageID = PostDoc.-$MessageID(0)
    ReqDoc.From= PostDoc.From(0)
    ReqDoc.Subject = PostDoc.Subject(0)
    ReqDoc.SendTo = PostDoc.SendTo
    ReqDoc.CopyTo = PostDoc.CopyTo
    ReqDoc.BlindCopyTo = PostDoc.BlindCopyTo
    ReqDoc.Recipients = SelectedRecipients
    Set ritem = New NotesRichTextItem(ReqDoc, "Body")
    Call ritem.AppendDocLink(PostDoc, PostDoc.Subject(0))
    Call ReqDoc.Save( True, True )
    ReqSaveFlag = True
    PostDoc.IVE_MessageRecallDate = Now()
    result = Evaluate(|@Adjust(@Now; 1; 0; 0; 0; 0)|, PostDoc)
    If Not PostDoc.HasItem("ExpireDate") Then PostDoc.ExpireDate = result(0)
    Call PostDoc.Save(True, True)
    Print "A recall request has been sent."
    If OnlineFlag = 0 Then
        Msg = "Message recall request sent, however, Message recall database on Local workstation must be replicated to mail server. Establish Lotus N
askme = ws.Prompt (PROMPT_YESNO, Title, Msg)
        If askme <> 1 Then Exit Sub
        Call db.Replicate(MailServer)
    Else
        MsgBox "A recall request has been sent." & Chr(13) & Chr(13) & "If you asked for recall status reports," & Chr(13) & "Notes will send you a report fr
    End If
    Exit Sub
ErrHandle:
    Select Case Err
    Case 4060 : MsgBox "You do not have access to the Message recall database.", , Title
    Case 4000 And ReqSaveFlag : MsgBox "Message recall request will activate within 5 minutes.", , Title
    Case 4000 And Not ReqSaveFlag : MsgBox "Message recall request not sent since wrong access to message recall database." & Chr(13) & "Minimum ACL A
    Case Else : MsgBox "Error" & Str(Err) & " : " & Error$
    End Select
    Exit Sub
End Sub
Dim CurrentDB As NotesDatabase
Dim db As NotesDatabase
Dim askme As Variant
Dim PostDoc As NotesDocument
Dim ProfileDoc As notesdocument
Dim ReqDoc As NotesDocument
Dim Title As String
Dim CurrentServer As String
Dim OnlineFlag As String
Dim Msg As String
Dim Msg1 As String
Dim Msg2 As String
Dim MailServer As String
Dim item As Variant
Dim ReqSaveFlag As Integer
Dim RecallUnread As String
Dim RecallUnreadFlag As String
Dim RecallStub As String
Dim RecallStubFlag As String
Dim RecallReadersFlag As String
Dim Recipients As Variant
Dim RecipientCount As Integer
Dim SelectedRecipients As Variant
Dim ritem As NotesRichTextItem
Dim SelectRecipientsPrompt as String
Dim result as variant

```

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