

## INSTALLATION / CONFIGURATION INSTRUCTIONS

### Requirements

Desktop platforms: Windows 10/8/7/Vista/XP, macOS  
Desktop software: Notes 12/11/10/9/8  
Server platforms: Windows, Linux, IBM i, AIX  
Server software: Domino 12/11/10/9/8

### Installation instructions: New install

- 1. Copy template:** Open the AttachZIP DB (azip.nsf) which was installed locally. Click File - Application - New Copy, then select your mail server and change the filename to azip1.ntf to create an AttachZIP template on your server.
- 2. Sign template design:** Sign the template using the Domino administrator client to prevent Notes client security warning messages. We highly recommend you sign using a Notes ID which has access to all mailboxes / DBs. i.e. Server or Domino admin ID. The signing Notes ID must be listed in the server document - Security tab 'Sign or run unrestricted methods and operations' field.
- 3. Create database:** Create a new database using this template. Click File - Database - New and type the Server, Title, File name as seen in the example below. Select AttachZIP as the template. Click OK.

Server:	[Select Domino server]
Title:	AttachZIP (master)
File name:	azip.nsf
Temp. server:	[Select Domino server]
Template:	AttachZIP

- 4. Verify Administration ECL (if using with multiple users):** Open the DD (Domino Directory) on the mail server in each Notes domain. Click Actions - Edit Administration ECL and verify the Notes ID you used to sign the template in step 2 above is listed with all workstation security checkboxes selected. If you created a Domino policy which includes security settings, then open the Execution Control List tab in edit mode and verify end users will receive Admin ECL updates. NOTE: The Admin ECL is only applied to new Notes clients installs unless you configure a Domino security settings policy.

NOTE: Optionally, you can add "\*/NotesMail" to the Admin ECL (or manually add to each Notes client ECL) with all access checkboxes selected, but this is not required if you signed the template and configured the Admin ECL in the step 2 above. Click File - Security - Security - [password] - What Others Do - Using Workstation - Add \*/NotesMail - Select all access checkboxes - OK, then Restart Notes. AttachZIP extended profile: If you did not sign the template then you can only process attachments on the desktop (not the server) which is significantly slower unless you are accessing mailbox / DB and AttachZIP local replicas.

- 5. Enable scheduler:** Open the AttachZIP DB (azip.nsf) created in step 3 above.
  - Click "Edit AttachZIP profile" button, then click option "2 - Extended profile".
  - Select 'Disabled' in the Status field, then fill out the form and save. i.e. See example in the "Configuration instructions: AttachZIP extended profile" section below, but Status field must be is "Disabled"
  - Click the "Enable scheduler" button using the same Notes ID you used to sign the template design in step 2 above. If you signed it with the server ID, then you can click the button using any Notes ID, then sign the azip.nsf DB again using the Domino Administrator client. NOTE: You only have to click this button once while installing AttachZIP for the first time.
  - Warning:** Wait 20 minutes, before testing AttachZIP -- the server Agent Manager will try to execute the agent, but it will be cancelled assuming you completed step 5B above.
  - Click "Edit AttachZIP profile" button, then click option "2 - Extended profile". Select "Enabled" in the Status field and proceed with executing the profile.

- 6. Consistent ACL:** If you plan to install "AttachZIP Local" replicas on end user hard drives then please verify Consistent ACL is enabled on the Server replica: Click File - Database/Application - Access Control - Advanced - Enforce a consistent Access Control List across all replicas. You can automatically create replicas on the user's desktop by using any of the techniques below.

A. Create a Domino Policy (Desktop Setting - Applications tab) to push out the replica to the end users: Open Domino Directory, then click Configuration - Policies. More Info: Domino Administrator Help database

B. Modify the Database Script design element in the user's mail template. The code in button below can be modified by a Notes developer and inserted into the user's mail template. **Warning: It must be properly coded to only execute once.** The Notes ID which signs the Database Script must be listed in the user's Notes client ECL, otherwise, the end user will be prompted to trust the signer.

C. Email each user a Notes button as seen below. Copy & Paste the button below into an email and edit the button code as needed before sending. **Warning: The Notes button will be signed by the last Notes ID to edit the code in the button.** The Notes ID which signs the button must be listed in the user's Notes client ECL, otherwise, the end user will be prompted to trust the signer.

### [Install AttachZIP Local Replica](#)

#### **Important:**

- It is recommended to increase the Server document value in the 'Max LotusScript/Java execution time' field to 120 minutes or higher. The Agent Manager can be adjusted in the Server document - Servers Tasks tab - Agent Manager tab.
- You must exclude antivirus scanning in the AttachZIP temporary hard drive folder (including subfolders). For example, if you specified "C:\temp" as the temporary folder in the AttachZIP profile, then attachments and bitmaps will be processed in the "c:\temp\AttachZIP\TEMP" folder including additional subfolders. You must exclude AV scanning in this folder on the server and/or desktop (depends if you choose option to process attachments on server or desktop hard drive respectively). NOTE: The "AttachZIP end user profile" always process attachments on the desktop.
- If you are running AttachZIP overnight please be aware that any Domino server tasks (Fixup task, Compact task [w/ copy-style compacting option]) which takes mailboxes / DBs offline will interfere with the processing (i.e. Mailbox / DB will be skipped if offline).
- If your company uses non-English characters in attachment names, then you must install the specific language on the Server and/or Desktop (depends if you choose option to process attachments on Server or desktop hard drive respectively) to retain these characters: Click Control Panel - Regional Options - Language settings for the system, etc. Activate the Windows Language bar for this non-English language.
- The Domino administrator can cancel the AttachZIP agent currently processing by issuing server console command: i.e. Tell AMgr Cancel "azip.nsf" 'AttachZIP'
- Other server console commands for troubleshooting issues: Tell AMgr Schedule, Tell AMgr Status, Tell AMgr Quit, Load AMgr, Load AMgr /?

#### **Installation instructions: Upgrade**

**1. Backup:** Backup your existing Notes template file azip1.ntf and the database(s) you created using the template. i.e. azip.nsf

**Warning:** It is not recommend to backup AttachZIP to the Domino data folder since this can potentially cause conflicts and data loss.

**2. Copy template:** Open the AttachZIP DB (azip.nsf) which was installed locally. Click File - Application - New Copy, then select your mail server and change the filename to azip1.ntf which will replace the existing AttachZIP Notes template on your server (overwrite if prompted).

**3. Sign template design:** Sign the template using the Domino administrator client to prevent Notes client security warning messages. We highly recommend you sign using a Notes ID which has access to all mailboxes / DBs. i.e. Server or Domino admin ID. The signing Notes ID must be listed in the server document - Security tab 'Sign or run unrestricted methods and operations' field.

**4. Verify Administration ECL:** Open the DD (Domino Directory) on the mail server in each Notes domain. Click Actions - Edit Administration ECL and verify the Notes ID you used to sign the template in step above is listed with all workstation security checkboxes selected. If you created a Domino policy which includes security settings, then open the Execution Control List tab in edit mode and verify end users will receive Admin ECL updates. NOTE: The Admin ECL is only applied to new Notes clients installs unless you configure a Domino security settings policy.

NOTE: Optionally, you can add "\*/NotesMail" to the Admin ECL (or manually add to each Notes client ECL) with all access checkboxes selected, but this is not required if you signed the template and configured the Admin ECL in the step above. Click File - Security- Security - [password] - What Others Do - Using Workstation - Add \*/NotesMail - Select all access checkboxes - OK, then Restart Notes. AttachZIP extended profile: If you did not sign the template then you can only process attachments on the desktop (not the server) which is significantly slower unless you are accessing mailbox / DB and AttachZIP local replicas.

**5. Domino Convert task:** Start the Convert task in the Domino server console as seen in examples below.

Upgrading a single AttachZIP database: i.e. **LOAD CONVERT -d azip.nsf \* azip1.ntf**

Upgrading all AttachZIP databases in a folder: i.e. **LOAD CONVERT -d AttachZIP\\*.nsf \* azip1.ntf**

Upgrading all AttachZIP databases in a folder and in its subfolders: i.e. **LOAD CONVERT -r -d AttachZIP\\*.nsf \* azip1.ntf**

**6. Verify if AttachZIP integration updates required:** Review AttachZIP upgrade release notes (or contact NotesMail) to see if the upgrade requires you to repeat any integration steps below including "Notes client integration: AttachZIP end user profile" and "iNotes web integration: AttachZIP end user profile".

NOTE: If you sign the AttachZIP custom mail templates or manually change any of their design elements, then you will need to verify the signing Notes ID is in the Admin

ECL with a configured Domino security settings policy.

**7. Local mailbox users:** Notify local mailbox users to replicate both their mailbox and AttachZIP (azip.nsf), then restart Notes. This will help prevent any possible issues after the upgrade especially if step above requires you to repeat integration steps.

### **Configuration instructions: AttachZIP extended profile**

The example configuration below will optimize bitmaps and compress attachments to ZIP format in each email / record created between specified dates within a single mailbox / DB. NOTE: If you are testing our evaluation copy it is recommend to copy/paste approximately 10 emails / records containing attachments from your Sent mail into an empty mailbox / DB. The evaluation copy will only process the first 25 emails / records containing attachments in Sent mail.

**Warning:** The evaluation version will append the following text to each email / record processed: "WARNING: This email / record has been processed using unlicensed AttachZIP software which expires on MM/DD/YEAR. Contact NotesMail for purchase information at +1 212-599-2048 EST, hcl.sales@notesmail.com, or www.notesmail.com."

1. Click **AttachZIP Profile** in the left menu frame.
2. Click **Agree** if it prompts you with the Software License Agreement.
3. Click **Extended profile** when prompted, then fill out the form as seen in the example below.
4. Verify the **Disable scheduler** button displays, otherwise, see step 4 and 5 in "Installation instructions: New install" section above.

**Status:** Enabled  
**Schedule:** Daily  
**Server:** [Your Server Name] i.e. SERVERNAME\COMPANY  
**Mailbox / DB query:** Single Database  
**Filename:** [Your mailbox / DB filename] i.e. mailjsmith.nsf  
**Email / record query:** All Documents  
**Date query:** Created Date  
**Enable image optimization :** Yes  
**Enable Zip compression :** Yes  
**Zip engine :** Default (Notes 6.0+)  
Compression: Maximum (portable)  
Temporary hard drive folder type: Platform temporary folder  
**File type option :** Yes  
Include for default users, File types: .123, .AVI, .BMP, .CMX, .COM, .CSV, .DB, .DBF, .DOC, .DOCX, .DOT, .EXE, .LWP, .MDB, .MDE, .MPP, .NS4, .NS5, .NSF, .NTF, .PCX, .PDF, .POT, .PPS, .PPT, PPTX, .PRE, .PRZ, .PST, .RTF, .SAM, .TIF, .TXT, .VSD, .WAV, .WB1, .WK1, .WK2, .WK3, .WK4, .WKS, .WPD, .WPS, .WQ1, .WRI, .XLM, .XLS, .XLSX, .XLT, .XML  
Exclude for DD group 1: , File types:  
Exclude for DD group 2: , File types:  
Exclude for DD group 3: , File types:  
**Use section for attachments :** Yes  
**Skip encrypted emails :** Yes  
**Skip processed email /records:** Yes  
**Start date:** [Enter a Start Date] i.e. 01/01/1990  
**End date:** [Enter an End Date] i.e. 01/01/2050  
**Destination:** Re-attach to Source  
**Display queue on screen :** Yes  
**Logging:** Yes  
**Append column icon :** Yes  
**Append subject tag :** No

5. Click the **Execute AttachZIP Profile Now** form action button.
6. It is recommended to select the "Default (Notes 6.0+)" **ZIP engine**. However, if you selected another **ZIP engine** such as **7-Zip**, then click OK if prompted to install it, otherwise, you can follow steps A - E below.
  - A. Click one of the Notes views in in the left menu frame such as **Log**.
  - B. Click **Actions**, then **Install Zip Engine** from the Notes tool bar and follow prompted instructions.

- C. Click **AttachZIP Profile** in the left menu frame, then **Extended profile**.
- D. Verify the fields configured in the form as seen in step #3 excluding the Zip Engine field.
- E. Click the **Execute AttachZIP Profile Now** form action button.

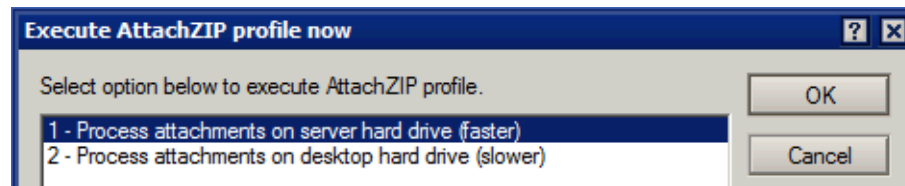
7. Open the **All Documents** view in your mail database.

8. Open an email created **between** the specified start and end date which contain at least one attachment. Attachments in the email as specified in the "File type option" will now be in Zip format and bitmaps will be optimized.

NOTE: Optionally, you can use 7-Zip software as your Zip engine. 7-Zip is open source software, so it can be used free and unrestricted. You must install 7-Zip separately which is supported on Windows desktops and Windows servers. Open AttachZIP DB, then click Actions - Install Zip engine, or download from [www.notesmail.com/zip-reader](http://www.notesmail.com/zip-reader)

### Notes client configuration: Optimal performance

For optimal performance it is recommended to run "AttachZIP extended profile" by selecting the option "1 - Process attachments on server hard drive (faster)" as seen below. This option processes the attachments in the background on the server.



Otherwise, you can select option "2 - Process attachments on local hard drive (slower)", but processing will be significantly slower since the attachments are downloaded from the server to the local hard drive for processing, then uploaded back to the server. However, performance will be significantly faster if using a mailbox / DB and AttachZIP "Local" replica with this option.

If you decide to use a dedicated desktop to process attachments for multiple mailboxes / DBs, then it is recommended to run AttachZIP during non-business hours. Please follow the instructions below which deactivates scheduled Notes client activities such as checking for new mail and local replication, as well as, maximizing the Notes TCPIP port connection attempt time-out duration. These steps are necessary to prevent any Notes client processes (or busy servers) from interfering with AttachZIP processing. Please be aware that any Domino server tasks (Fixup task, Compact task [-c option]) which takes mailboxes / DBs offline will interfere with the processing (i.e. Mailbox / DB will be skipped if offline).

1. Click File - Preferences - User Preferences - Mail - Deselect "Check for new mail every XX minutes" - OK
2. Click File - Location Preferences - Location - Replication tab - Deselect "Replication is enabled for this location" - Save & Close
3. Click File - Preferences - User Preferences - Ports - TCPIP - TCPIP Options - [Type] 300 - OK - OK.
4. Restart Notes client

### Configuration instructions: AttachZIP end user profile

The instructions below allow end users to automatically compress attachments to ZIP format and optimize bitmaps in their mailbox after clicking the "Send" email button. The example configuration below will optimize bitmaps and compress attachments to ZIP format as specified by the "File type option" in each email sent.

**Warning:** The evaluation version will append the following text to each email processed: "WARNING: This email / record has been processed using unlicensed AttachZIP software which expires on MM/DD/YEAR. Contact NotesMail for purchase information at +1 212-599-2048 EST, [hcl.sales@notesmail.com](mailto:hcl.sales@notesmail.com), or [www.notesmail.com](http://www.notesmail.com)."

1. Click **AttachZIP Profile** in the left menu frame.
2. Click **Agree** if it prompts you with the Software License Agreement.
3. Click **End user profile** when prompted, then fill out the form as seen in the example below.

**Enable Zip compression :**  
**Enable image optimization :**

Yes  
 Yes  
 Minimum image size activation: 0K  
 Default (Notes 6.0+)  
 Compression: Maximum (portable)

**Zip engine :**

Temporary hard drive folder type: Platform temporary folder

**File type option :**

Include for default users, File types: .123, .AVI, .BMP, .CMX, .COM, .CSV, .DB, .DBF, .DOC, .DOCX, .DOT, .EXE, .LWP,

.MDB, .MDE, .MPP, .NS4, .NS5, .NSF, .NTF, .PCX, .PDF, .POT, .PPS, .PPT, PPTX, .PRE, .PRZ, .PST, .RTF, .SAM, .TIF, .TXT, .VSD, .WAV, .WB1, .WK1, .WK2, .WK3, .WK4, .WKS, .WPD, .WPS, .WQ1, .WRI, .XLM, .XLS, .XLSX, .XLT, .XML

Exclude for DD group 1: , File types:

Exclude for DD group 2: , File types:

Exclude for DD group 3: , File types:

**Use section for attachments :**

Yes

**Maximum attachment size :**

10240 KB for default users

KB for DD group 1:

KB for DD group 2:

KB for DD group 3:

KB for DD group 4:

KB for DD group 5:

KB for DD group 6:

KB for DD group 7:

KB for DD group 8:

KB for DD group 9:

KB for DD group 10:

User prompt message: Maximum attachment size exceeded. Send action cancelled.

**Destination :**

Re-attach to Source

**Display queue on screen :**

No

**Logging :**

No

**Append column icon :**

No

**Append subject tag :**

No

4. Click the **Save & Close** form action button.

### **Notes client integration: AttachZIP end user profile**

Steps 5 - 21 below can be performed by one of our consultants or someone on your Domino team. Otherwise, you can skip the steps and unzip & copy an **AttachZIP mail template** below to the mail server root folder. For example, the **mail12-AttachZIP.ntf** template is based on the English **Mail (R12)** 12.0 template, but includes a few code changes. If you support both Notes 12, Notes 11, Notes 10 and Notes 9 users, then all the attachments below must be unzipped & copied to the mail server root folder.

NOTE: If you require a non-English mail template or your company is already using a customized mail template, for example, mail12-MyCompany.ntf, then you should proceed with steps 5 - 21 below to add the AttachZIP Notes code changes to it rather than use the attachments below.



mail12-AttachZIP.ntf.zip mail11-AttachZIP.ntf.zip mail9-AttachZIP.ntf.zip

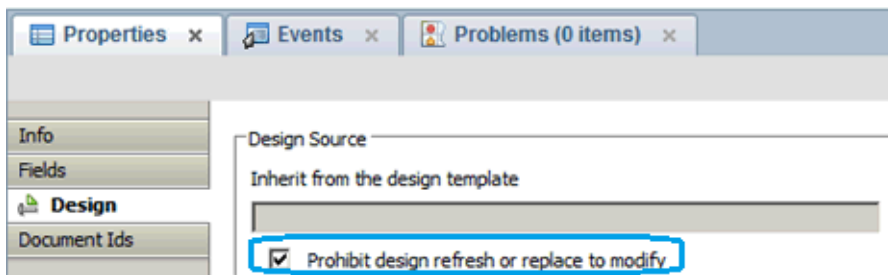
5. Create a non-replica copy of the server's mailbox template, for example, **mail12.ntf**, and specify a new filename, for example, **mail12-AttachZIP.ntf**. Click the database property design tab on the new copy and change the template name, for example, from **StdR12Mail** to **StdR12Mail-AttachZIP**. Change the DB title, for example, from **Mail (R12)** to **Mail (R12) - AttachZIP end user**.

6. Copy the green highlighted Formula code line below to the clipboard.

7. Open the server mailbox template, for example, **StdR12Mail-AttachZIP.ntf**, using Domino Designer and edit the **Send** Shared Action design element. Click Code - Shared Actions - Send. Erase the existing code, then **Paste** the Formula code from the clipboard.

8. Click File - Close - **Yes**.

```
flag := @Environment("NotesMail_AttachZIP_Disable");  
@If(@Attachments > 0 & flag != "1"; @Do(@Command([ToolsRunMacro]; "(ZipSend)"); @Return("")); "");  
MEMO_SEND:="1024";  
FIELD ActionInProgress:=MEMO_SEND;  
@If(@Command([FileSave]);@Command([FileCloseWindow]);@Return(""))
```



9. **Copy** the green highlighted Formula code line below to the clipboard.

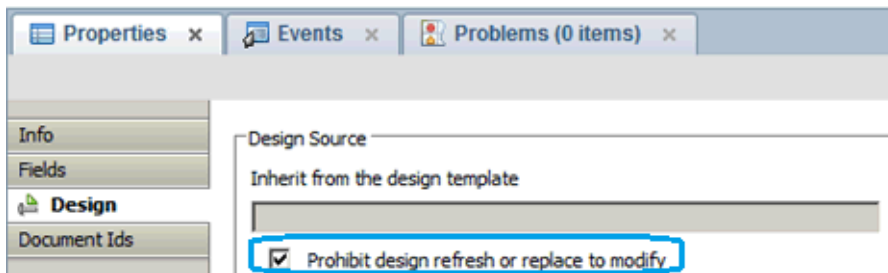
10. Open the server mailbox template, for example, **StdR12Mail-AttachZIP.ntf**, using Domino Designer and edit the **Send and File...** Shared Action design element. Click Code - Shared Actions - Send and File. Erase the existing code, then **Paste** the Formula code from the clipboard.

11. Click File - Close - **Yes**.

```

flag := @Environment("NotesMail_AttachZIP_Disable");
FIELD tmpSendandFileFolder := "";
@if(@Attachments > 0 & flag != "1"; @Do(@SetField("tmpSendandFileFolder"; @PickList([Folders];[Single];"")); @PostedCommand([ToolsRunMacro]; "(ZipSend)"); @Return(""); "");
REM {BEGIN TRANSLATE};
tmpNoNames := "No names found to send mail to.";
tmpTitle := "Notes";
REM {END TRANSLATE};
tmpNumNames := @Elements(EnterSendTo) + @Elements(EnterCopyTo) + @Elements(EnterBlindCopyTo);
@if( tmpNumNames = 0; @Do(@Prompt([Ok];tmpTitle;tmpNoNames);@Return("");));
MEMO_SEND_FILE:=2097152;
FIELD ActionInProgress:=MEMO_SEND_FILE;
@SetField("tmpSendandFileFolder"; @PickList([Folders];[Single];""));
@if(@Command([FileSave]);@Command([FileCloseWindow]);@Return(""))

```



12. **Copy** the green highlighted Formula code line below to the clipboard.

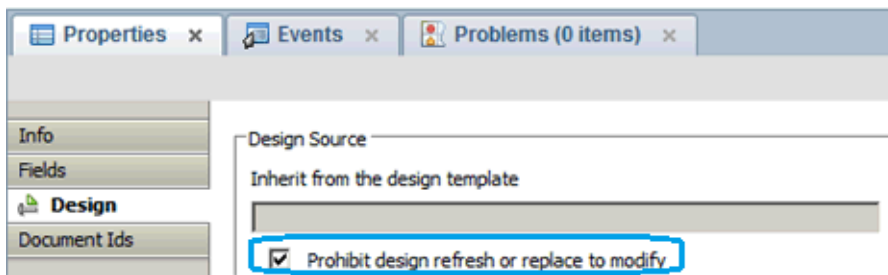
13. Open the server mailbox template, for example, **StdR12Mail-AttachZIP.ntf**, using Domino Designer and edit the **Save and Close** Action in the **\_Calendar Entry** Form design element. Click Forms - \_Calendar Entry - View - Action Pane - Save and Send Invitations. Erase the existing code, then **Paste** the Formula code from the clipboard.

14. Click File - Close - **Yes**.

```

flag := @Environment("NotesMail_AttachZIP_Disable");
@if(@Attachments > 0 & flag != "1"; @Do(@Command([ToolsRunMacro]; "(ZipSend)"); @Return(""); "");
FIELD SaveOptions := "";FIELD tmpAction := "2";
@if(@PostedCommand([FileSave]); @PostedCommand([FileCloseWindow]); "")

```



15. **Copy** the green highlighted Formula code line below to the clipboard.
16. Open the server mailbox template, for example, **StdR12Mail-AttachZIP.ntf**, using Domino Designer and edit both the **Save and Send Invitations** Action in the **\_Calendar Entry** Form design element. Click Forms - \_Calendar Entry - View - Action Pane - Save and Send Invitations. Erase the existing code, then **Paste** the Formula code from the clipboard.
17. Click File - Close - **Yes**.

```
flag := @Environment("NotesMail_AttachZIP_Disable");
@if(@Attachments > 0 & flag != "1"; @Do(@Command([ToolsRunMacro]; "(ZipSend)"); @Return("")); "");
FIELD tmpAction := "6";@If(@PostedCommand([FileSave]);
@PostedCommand([FileCloseWindow]); "")
```

18. **Copy** the green highlighted Formula code below to the clipboard.
19. Open the server mailbox template, for example, **mail12-AttachZIP.ntf**, using Domino Designer and create a a NEW **Agent** design element with the agent properties as seen below. Click Code - Agents - New Agent. Type (**ZipSend**) as the agent name, then click OK. **Paste** the Formula code from the clipboard.
20. Change Trigger to "Agent list selection", then change target to "None" as seen below.
21. Click File - Close - **Yes**.

#### Sub Initialize

```
Const zipMasterFile = "azip.nsf"
Const Title = "AttachZIP"
Const statusBarMsg = "Compressing email message... Please wait"
Dim session As New NotesSession
Dim ws As New NotesUIWorkspace
Dim uiDB As NotesUIDatabase
Dim uidoc As NotesUIDocument
Dim db As NotesDatabase
Dim dbZip As New NotesDatabase("", "")
Dim agent As NotesAgent
Dim doc As NotesDocument
Dim mailServer, encryptVAR, MEMO_SEND, MEMO_DRAFT, MEMO_STATIONERYSAVE, userFold, MsgErr As String
Dim installFlag, calFlag As Boolean
Dim formula1 As Variant
Dim numAttach As Integer
Dim item As NotesItem
Dim MaxAttachMsg, MaxAttachSize, MaxAttachFile, MaxAttachCurrentSize, Msg As String
```

```
On Error GoTo Errhandle
Set db = session.CurrentDatabase
Set uidoc = ws.CurrentDocument
Set doc = session.DocumentContext
mailServer = db.Server
Call dbZip.Open(mailServer, zipMasterFile)
If dbZip.IsOpen Then installFlag = True Else installFlag = False
If doc.IsEncrypted Then encryptVAR = "1" Else encryptVAR = ""
Set item = doc.ReplaceItemValue("Encrypt", "")
Call session.SetEnvironmentVar("AttachZIP_MailFile", db.filepath)
Call session.SetEnvironmentVar("AttachZIP_DocID", doc.UniversalID)
Call session.SetEnvironmentVar("AttachZIP_Encrypt", encryptVAR)
formula1 = Evaluate(@Attachments, doc)
numAttach = formula1(0)
' Support Calendar Entry
If doc.Form(0) = "Appointment" Then calFlag = True Else calFlag = False
Call session.SetEnvironmentVar("AttachZIP_CalendarEntry", Str(calFlag))
If calFlag And (numAttach < 0 Or Not installFlag) Then
doc.tmpAction = "6"
```



```

        Call uidoc.Refresh
        Set item = doc.ReplaceItemValue("Encrypt", encryptVAR)
        Call uidoc.Close(True)
        Exit Sub
    End If
    If calFlag And numAttach > 0 Then
        doc.SaveOptions = ""
        doc.tmpAction = "2"
        Call uidoc.Refresh
        Call uidoc.Save
        If Not ws.IsEmbeddedInsideWCT Then Call ws.OpenDatabase(mailServer, zipMasterFile, "CompressView")
        Set agent = dbZip.GetAgent("AttachZIP")
        Print statusBarMsg
        agent.Run
        Call uidoc.Close(True)
        Exit Sub
    End If
    ' Support Email and Stationary
    MEMO_SEND = ""
    MEMO_DRAFT = "4096"
    MEMO_STATIONERYSAVE = "16"
    Set item = New NotesItem(doc, "ActionInProgress", "")
    If doc.EnterSendTo(0) <> "" Then doc.SendTo = doc.EnterSendTo
    If doc.EnterCopyTo(0) <> "" Then doc.CopyTo = doc.EnterCopyTo
    If doc.EnterBlindCopyTo(0) <> "" Then doc.BlindCopyTo = doc.EnterBlindCopyTo
    If doc.Form(0) = "Personal Stationery" Then
        doc.ActionInProgress = MEMO_STATIONERYSAVE
        Call uidoc.Refresh
        Set item = doc.ReplaceItemValue("Encrypt", encryptVAR)
        Call uidoc.Close(True)
        Exit Sub
    End If
    doc.ActionInProgress = MEMO_DRAFT
    If doc.HasItem("PostedDate") Then
        Set item = doc.GetFirstItem("PostedDate")
        Call item.Remove
    End If
    Call uidoc.Refresh
    If numAttach < 1 Or Not installFlag Then
        MEMO_SEND = "1024"
        doc.ActionInProgress = MEMO_SEND
        Set item = doc.ReplaceItemValue("Encrypt", encryptVAR)
        Call uidoc.Close(True)
        Exit Sub
    End If
    Call uidoc.Save
    userFold = doc.tmpSendandFileFolder(0)
    If userFold <> "" Then Call ws.folder(userFold, True)
    If Not ws.IsEmbeddedInsideWCT Then Call ws.OpenDatabase(mailServer, zipMasterFile, "CompressView")
    Set agent = dbZip.GetAgent("AttachZIP")
    Print statusBarMsg
    agent.Run
    Call uidoc.Close(True)
    MaxAttachSize = session.GetEnvironmentString("AttachZIP_MaxAttachSize")
    If MaxAttachSize <> "" Then
        MaxAttachMsg = session.GetEnvironmentString("AttachZIP_MaxAttachMsg")
        MaxAttachCurrentSize = session.GetEnvironmentString("AttachZIP_MaxAttachCurrentSize")
        MaxAttachFile = session.GetEnvironmentString("AttachZIP_MaxAttachFile")
        Msg = "Size: " & Chr(9) & MaxAttachCurrentSize & " MB" & Chr(13) & "Limit: " & Chr(9) & MaxAttachSize & " MB" & Chr(13) & "File: " & Chr(9) & MaxAttachFile
        MsgBox MaxAttachMsg & Chr(13) & Chr(13) & Msg, 48, Title & " - " & "Maximum attachment size exceeded"
        Print Title & " - Maximum attachment size exceeded - " & MaxAttachMsg
    End If
    Exit Sub
Errhandle:
    MsgErr = Title & " - Error" & Str(Err) & ".: " & Error$
    MsgBox MsgErr
    Print MsgErr
    Exit Sub
End Sub

```



**New Agent**

Create a new Agent.

Name: (ZipSend)

Alias:

Comment:

Type: LotusScript

Application: Mail (12) - AttachZIP end user: \\NOTES01/NotesMail/mail12-attachzip.ntf

Name: ZipSend  Allow rem

Alias:

Comment:

Runtime

Trigger:  On event  On schedule

Agent list selection

Edit settings...

Target: None

Options

Shared

Store se

Store hi

Run in b

Profile t

New Agent Enable Disable Sign

Name	Alias	Type
(ZipSend)		LotusScript

Properties Events Problems (0 items)

Info Fields Design Document Ids

Design Source

Inherit from the design template

Prohibit design refresh or replace to modify

Inheritance

Inherit design from master template

Template name StdR12Mail

Template version is 12.0 (04/26/2021)

Refresh design on admin server only

Database file is a master template

Template name StdR12Mail-AttachZIP

List as advanced template in 'New Application' dialog

21. Change user mailboxes to the new template either manually using the database property design tab, or automatically as seen in the example below. NOTE: If you manually change the user mailbox designs they should automatically refresh overnight during the default scheduled Domino Design task. However, the Domino Convert task is recommend to ensure folder designs are upgraded.  
 i.e. **LOAD CONVERT -u -d mail\user.nsf \* mail12-AttachZIP.ntf**  
 i.e. **LOAD CONVERT -u -d mail\ \* mail12-AttachZIP.ntf**

22. Notify local mailbox users to replicate both their mailbox and AttachZIP (azip.nsf), then restart Notes. This will help prevent any possible issues after the upgrade.

**iNotes web integration: AttachZIP end user profile**

The steps below can be performed by one of our consultants or someone on your Domino team.

1. Add the notes.ini parameter to your Domino mail server: **iNotes\_WA\_QueryAgents=1**
2. **Copy** the green highlighted LotusScript code below to the clipboard.
3. Open the server mailbox template, for example, **mail12-AttachZIP.ntf**, using Domino Designer and create a a **NEW Agent** design element with the agent properties as seen below. Click Code - Agents - New Agent. The agent name must be **(ZipSend-iNotes)**. Verify the agent Type is set to **LotusScript**, then click OK. Click Initialize in the left objects window, select all contents in right Initialize window, then **Paste** the LotusScript code from the clipboard.
4. Click File - Close - **Yes**.

```
Sub Initialize
  Const zipMasterFile = "azip.nsf"
  Dim session As New NotesSession
  Dim db As NotesDatabase
  Dim dbZip As New NotesDatabase("", "")
```

```
Dim doc, docEndUserProfile, dociNotesProfile, docPrefProfile, docDFR As NotesDocument
Dim mailServer, encryptVAR, subjectDFR As String
Dim item As NotesItem
Dim formula1 As Variant
Dim key, remoteUser As String
Dim agentZip As NotesAgent
Dim ritem As NotesRichTextItem
```

```
On Error GoTo Errhandle
Set doc = session.DocumentContext
```

```
' Disable iNotes from natively sending email if attachments found, or if saving as Draft
formula1 = Evaluate(!@Attachments), doc)
If formula1(0) = 0 Or doc.MailOptions(0) = "0" Then Exit Sub Else doc.MailOptions = "0"
```

```
Set db = session.CurrentDatabase
mailServer = db.Server
Call dbZip.Open(mailServer, zipMasterFile)
If Not dbZip.IsOpen Then
    doc.MailOptions = "1"
    MsgBox "AttachZIP iNotes Error: AttachZIP end user profile cancelled. Cannot open " & zipMasterFile & " on " & mailServer & _
        ". DB missing, Domino task locked DB, or DB is corrupt."
    Exit Sub
End If
```

```
Set docEndUserProfile = dbZip.GetProfileDocument("Server Cookies", "End User")
' Allow iNotes to natively sending email if AttachZIP end user profile is disabled
If docEndUserProfile.Status(0) = "Disabled" Then
    doc.MailOptions = "1"
    MsgBox "AttachZIP iNotes Warning: AttachZIP end user profile is disabled. Change Status field value to Enabled."
    Exit Sub
End If
```

```
End If
If doc.IsEncrypted Then encryptVAR = "1" Else encryptVAR = ""
Set item = doc.ReplaceItemValue("Encrypt", "")
If encryptVAR = "1" Then Call doc.save(True, False)
```

```
' Insert the email details on the push/pop queue: mail file, UNID, encrypt flag, username
Set dociNotesProfile = dbZip.GetProfileDocument("iNotes")
If dociNotesProfile Is Nothing Then
    Set dociNotesProfile = New NotesDocument(dbZip)
    dociNotesProfile.iNotesQueue = ""
    Call dociNotesProfile.save(True, False)
    Set dociNotesProfile = dbZip.GetProfileDocument("iNotes")
End If
```

```
Set docPrefProfile = db.GetProfileDocument("CalendarProfile")
remoteUser = docPrefProfile.Owner(0)
' Allow iNotes to natively send email if mailbox owner missing
If remoteUser = "" Then
    doc.MailOptions = "1"
    MsgBox "AttachZIP iNotes Error: AttachZIP end user profile cancelled. Mailbox owner is missing. Specify owner in mailbox preferences."
    Exit Sub
End If
```

```
key = db.filepath & "~" & doc.UniversalID & "~" & encryptVAR & "~" & remoteUser
dociNotesProfile.PushKey = key
formula1 = Evaluate(!@Trim(PushKey : iNotesQueue)), dociNotesProfile)
dociNotesProfile.iNotesQueue = formula1
Call dociNotesProfile.save(True, False)
```

```
' Call agent in AttachZIP to start processing attachments
Call doc.save(True, False)
Set agentZip = dbZip.GetAgent("AttachZIP")
If agentZip.Run(doc.UniversalID) = 0 Then
```

```
    If doc.HasItem("AttachZIP_iNotesMaxAttachSize") Then
        Set docDFR = New NotesDocument(db)
        docDFR.Principal = "Mail Router"
        docDFR.SendTo = doc.From(0)
        subjectDFR = "DELIVERY FAILURE: Router: Unable To dispatch message. Zip attachment size exceeds" & doc.AttachZIP_iNotesMaxAttachSize(0) & " KBytes"
        docDFR.Subject = subjectDFR
        Set ritem = New NotesRichTextItem(docDFR, "Body")
        Call ritem.AppendText("Attachment "" & doc.AttachZIP_iNotesMaxAttachFilename(0) & "" is too large. Contact your server administrator if you need to send a file larger than" &
            doc.AttachZIP_iNotesMaxAttachSize(0) & " KBytes.")
        Call ritem.AddNewLine(2)
        Call ritem.AppendText("Subject: " & doc.Subject(0))
        Call ritem.AddNewLine(2)
```

```

Call ritem.AppendText("Your message was saved in Drafts.")
Call ritem.AddNewLine(2)
Call ritem.AppendDocLink(doc, doc.Subject(0))
Call docDFR.Send(False)
Exit Sub

Else

If doc.HasItem("AttachZIP_iNotesMaxAttachSize") Then Call doc.RemoveItem("AttachZIP_iNotesMaxAttachSize")
If doc.HasItem("AttachZIP_iNotesMaxAttachFilename") Then Call doc.RemoveItem("AttachZIP_iNotesMaxAttachFilename")
doc.PostedDate = Now()
Call doc.Send(False)
Exit Sub

End If

Else

MsgBox "AttachZIP iNotes Error: Notes agent 'AttachZIP' did not run successfully in " & zipMasterFile & " on " & mailServer & _
". Verify settings in DD - Server Document - Server Tasks - Agent Manager."

End If

Exit Sub

```

Errhandle:

```

' Use the Err function to return the error number and
' the Error$ function to return the error message.
' Err 4000: Error can be ignored since iNotes UI not aware of AttachZIP integration
If Err <> 4000 Then MsgBox "AttachZIP iNotes Error" & Str(Err) & ": " & Error$
If Err = 4000 Then MsgBox "AttachZIP iNotes message: Ignore attachment and Fixup error below. iNotes UI not aware of AttachZIP integration."
Resume Next

```

End Sub

**New Agent**

Create a new Agent.

Name: (ZipSend-iNotes)

Alias:

Comment:

Type: LotusScript

Application: Mail (12) - AttachZIP end user: \\NOTES01\NotesMail\mail12-attachzip.ntf

**Runtime**

Trigger:  On event  On schedule

Agent list selection

Edit settings...

Target: None

@Commands may be used in this type of agent

**Options**

Shared

Store see

Store hig

Run in be

Profile th

Properties x Events x Problems (0 items) x

Info

Fields

**Design**

Document Ids

Design Source

Inherit from the design template

Prohibit design refresh or replace to modify

5. AttachZIP iNotes users are enabled / disabled using a **Domino Policy Mail Settings** document. **Requirement:** The users must be using the server mailbox template, for example, **mail12-AttachZIP.ntf** or **mail11-AttachZIP.ntf** prior to being assigned the respective Mail Settings document below.

**A. iNotes 12/11 mailbox users:** Create a Mail Settings document applied to a policy, click HCL iNotes and in the Basics tab, add the name of the extension forms file to the Extension Forms File Name field as seen below. i.e. iNotes\Forms11\_x-AttachZIP.nsf

Customization	How to apply this setting:
Extension Forms File Name: <input type="text" value="iNotes/Forms11_x-attachzip.nsf"/>	<input type="text" value="Set value whenever modified"/>

**B. iNotes 9 mailbox users:** Create a Mail Settings document applied to a policy, click HCL iNotes and in the Basics tab, add the name of the extension forms file to the Extension Forms File Name field as seen below. i.e. iNotes\Forms9\_x-AttachZIP.nsf

Customization	How to apply this setting:
Extension Forms File Name: <input type="text" value="iNotes/Forms9_x-attachzip.nsf"/>	<input type="text" value="Set initial value"/>

6. Issue the server console command to flush the server database cache: **DBCACHE FLUSH**

7. Unzip and copy the **AttachZIP iNotes Extension Forms DB** to the mail server iNotes folder. The DB is based on the native English iNotes Extension Forms template, but includes a minor code change. If you support both iNotes 12/11 and iNotes 9 users, then both of the attachments below must be unzipped and copied to the mail server iNotes folder. **Warning:** The iNotes Extensions Forms DB filename is case sensitive on Linux and AIX servers.

NOTE: : If your require a non-English iNotes Extensions Forms DB, or your iNotes folder already contains, for example, Forms11\_x.nsf, which might contain iNotes customizations implemented by your company, then you should proceed to steps A thru C below to add the AttachZIP iNotes minor code change to it rather than use the attachments below.



Forms11\_x-AttachZIP.nsf.zip Forms9\_x-AttachZIP.nsf.zip

**Optional**

- A. **Copy** the green highlighted Formula code line below to the clipboard.
- B. Open your mail server's, for example, iNotes\Forms11\_x.nsf, using **Domino Designer**. Click **Shared Elements - Subforms - Custom\_MailMemoDictionary\_Lite**, then **Paste** the code from the clipboard to the bottom of the existing code displayed on the subform.
- C. Click File - Close - **Yes**.

```
<NotesDictionary>
<NOTESVAR NAME={$QuerySaveAgent} VALUE={"(ZipSend-iNotes)"}>
</NotesDictionary>
```

8. Use the following server command to stop and restart the HTTP task: **TELL HTTP RESTART**

9. Assign an DD group name with a test user to a Domino Policy in step 5. If you are testing a spoke server, but made changes to a hub server, then replicate names.nsf and admin4.nsf from the hub to the spoke server. Expedite the server side mail policy change by issuing the 3 server console commands below.

```
DBCACHE FLUSH
LOAD UPDALL names.nsf
TELL ADMINP PROCESS MAILPOLICY
```

NOTE: You can use the Policy Synopsis tool in the Domino administrator client to verify policies assigned to users. If the policy is not assigned, then issue command **LOAD UPDALL -R -C names.nsf**, then repeat the commands above. DD Notes Views by default update every 1 minute. Server side mail settings are applied to the mail files on the server by the Administration Process (Adminp) every 12 hours by default.

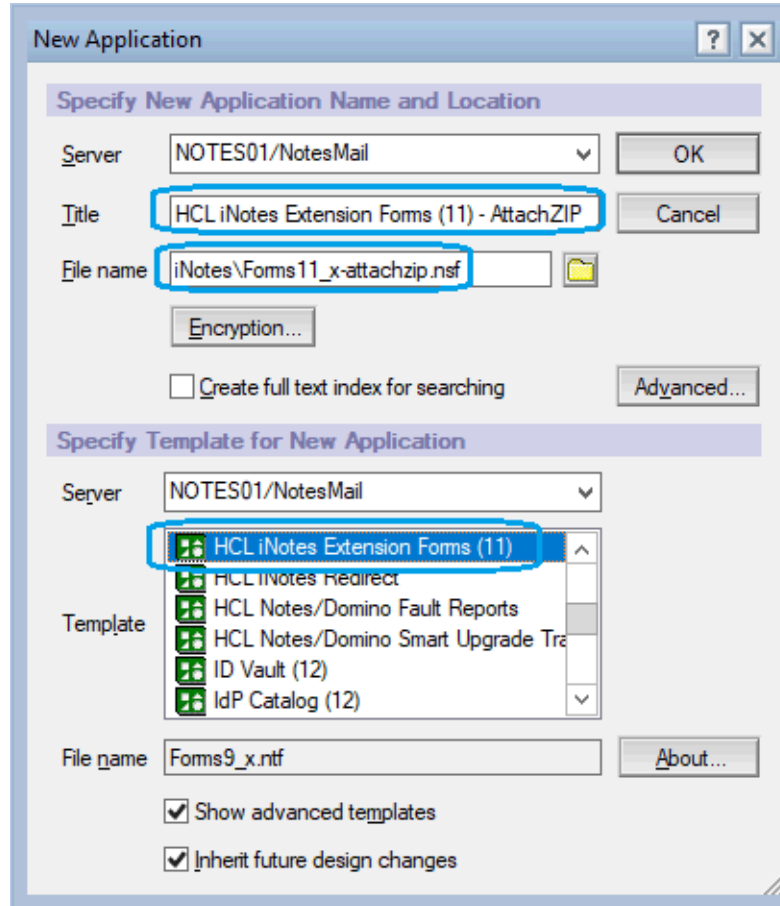
10. Issue the server console command to refresh the web server iNotes configuration settings: **TELL HTTP REFRESH**

11. Start a web browser and **clear the browser cache** to test the changes.

**Optional**

If you do not want to use our customized iNotes Extensions Forms DBs contained in the Zip files above, then see step below and proceed to steps 7A thru C above. For example, a new iNotes 9.x version released by HCL might contain an enhancement or bug fix to the iNotes Extensions Forms DB which you might want to implement.

A. Click **File - Application - New**, select your **mail server**, type **File name** iNotes\Foms11\_x.nsf, type **title** HCL iNotes Extensions Forms (11) - AttachZIP, then select your **mail server** again, click **Show advanced templates**, select **HCL iNotes Extensions Forms (11)**, then click **OK** as seen in the example below.



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