

IBM Notes/IBM Domino IMAP Deployment

https://campus.barracuda.com/doc/2490439/

This article refers to the Barracuda Message Archiver firmware version 5.0 and higher, and IBM Notes/IBM Domino 8.5 and earlier running on a Microsoft Windows-based system.

The IBM Notes/IBM Domino IMAP interface is designed to allow a user access to their mail file via the IMAP interface. In order to access the NSF file **mailjrn.nsf**, it is necessary to set **mailjrn.nsf** as the **BarracudaMailArchiver** user email database. Note that the Mail Archiver database template is based on the standard mail archive template and requires only a few changes to allow access via IMAP. There are two changes: the addition of folders expected by IMAP, and the addition of logic to copy all messages to the Inbox folder which IMAP reads.

In IBM Notes 9, the toolbar does not display by default except in edit mode. Use the following steps to toggle the toolbar so that you can access the Barracuda Message Archiver from the toolbar:

- 1. Open the IBM Notes Inbox.
- 2. From the **View** menu, point to **Toolbar**, and click **Show Toolbars Only When Editing** to toggle the option *off*.

The toolbar now displays in all modes. For additional information, refer to the <u>infolib IBM Notes</u> <u>9.0 Help content</u>.

- Because the IBM Domino attachment and object service (DAOS) stores file attachments in a separate repository on the server that are retrieved by reference, before working with the NSF Import Utility, first restore these attachment objects to the customer mailbox.
- The maximum size email that can be retrieved by the Barracuda Message Archiver via POP or IMAP is 100MB.

Procedure

- The following steps describe how to configure IBM Notes/IBM Domino to use Mail Journaling on a local database. The steps use the file name **mailjrn.nsf**; substitute the actual file name when completing the configuration.
- The following steps describe how to configure an IBM Notes/IBM Domino account specifically for the Barracuda Message Archiver to allow connection to IBM Notes/IBM Domino use the account name **BarracudaMailArchiver**; substitute the actual file name when competing this configuration.

Log in to the IBM Notes Client Console, and verify Journaling is capturing emails and that the journal



file **mailjrn.nsf** can be opened from the **BarracudaMailArchiver** account. If IMAP is not enabled, run the following command from the IBM Notes Client Console to enable IMAP on the Journal file **mailjrn.nsf**:

```
load convert -e mailjrn.nsf
```

Step 1. Load the Journal/Application into IBM Domino Designer

Use the following steps to load the journal database/application into IBM Domino Designer.

1a. Log in to IBM Domino Designer, and click **Open Application**:

Open Application	? ×
Look in: VMDOMIN0800/GlobalSCAPE 🔽 😭	
Image: Second Scape	<u>O</u> pen Cancel <u>B</u> ookmark
 Local free time info Lotus Notes/Domino Fault Reports Lotus Notes/Domino Smart Upgrade Tracking Reports - GlobalSCAPE Mail Journaling (8) Monitoring Configuration 	<u>A</u> bout
<u>File name:</u> mailim.nsf B <u>r</u> owse	

1b. Expand the bookmark for the **mailjrn** database, and click **Folders**:





1c. IMAP requires the presence of the **Sent Items** and **Drafts** folders. If these folders are present, go to **Step 2. Create Agent**. If they are not present, complete steps 1d and 1e.

1d. Click New Folder, and in the Create Folder dialog box, enter Sent Items in the Folder name field:

Create Folder		? X
<u>F</u> older name	Folder <u>typ</u> e	
Sent Items	Shared	~
Select a location for the new folde	er	
🗁 - Folders -		
Copy style from folder Inbox	Сору Н	-ro <u>m</u>
	OK Save and Customize Ca	incel



1e. Click **OK**. The **Sent Items** folder is added. Click **New Folder**, and in the **Create Folder** dialog box, type Drafts. Click **OK** to add the folder.

Step 2. Create Agent

Use the following steps to create the agent to copy all messages to the **Inbox** folder to allow access by IMAP.

- 🕺 Mail Journaling (8) Design Agents IBM Lotus Domino Designer <u>File Edit View Create Agent Tools Help</u> Wa 🌮 Mail Journaling (8) - Design -... 🗙 B New Agent 2 ✔ Enable 3. Disable 4 Sign **Recent Databases** 19 X View 🔻 ħ Name 🗘 Alias 🗘 Last Modified 🗘 Archive\Archive Now 07/30/2008 10:31:25 PM Mail Journaling (8) WVMD0MIN0800/0=GlobalSCAPEV Archive\Archive Selected I 07/30/2008 10:31:25 P 🗈 🔲 Framesets Archive\Create Criteria... 07/30/2008 10:31:25 🗄 🍘 Pages 07/30/2008 10:31 Archive\Open Log 庄 🔝 Forms 07/30/2008 10:1 Archive\Settings... archivesettings 🕀 🛅 Views E Folders Domino Web Access\Edit DOLSEditOfflineCo 07/30/2008 1 🖨 🔯 Shared Code 07/30/2001 Domino Web Access\Oper ⊕ Q Agents 07/30/2 Domino Web Access\Sync_iwa_SyncJournal 🗕 🖉 Web Services LocalScheduledArchive 420 \otimes 🕀 🔁 Outlines 🗄 💼 Subforms LotusInboxCleanup \otimes 🗄 🖅 🛨 🖌 Fields OutOfOffice 🗄 🖬 Columns Update Tasks ⊗ 🗄 🗲 Actions 🗄 ổ Script Libraries (Add Recipients 🗄 🛐 Shared Resources (Add Reci 🖻 💼 Composite Applications (Arti 🗄 🔂 Other
- 2a. Expand Shared Code, click Agents, and click New Agent in the center pane:

2b. The Agent dialog box displays:





2c. In the Name field, type the following value: Barracuda Mail Archiver Copy to Inbox

2d. In the **Comment** field, you can optionally enter a comment to describe the agent. In the **Runtime** section, set the **Trigger** to **On event**, and select **After documents are created or modified**:



2e. Click the Close () icon to save your changes; close the dialog box. The Agent displays in the



right pane:

🐵 Barracuda Mail Archiver Copy to Inbox - Agent - IBM Lotus Domino Designer 📃 🗗 🗙						
<u>F</u> ile	File Edit Greate Tools Help					
	Mail Journaling (8) - Design X 😡 Barracuda Mail Archiver Copy X					
B	Recent Databases 🖉 🗙	Objects Reference	Barracuda Mail Archiver Copy to Inbox (Agent) : (Op	tions)		
	View 🔻 🎦	🖃 🗉 Barracuda Mail Archiver Copy to Inb	Run Client 🔽 LotusScript	~		
@	Mail Journaling (8)	Occument Selection Options) Opclarations)	Option Public			
	🕀 🔚 Framesets	or initialize of Terminate				
	Web Services					
	ter the Outlines					
	⊕ ⊕∵⊞ Subforms					
	terret, Fields					
	🕀 🎹 Columns					
	🕀 🗲 Actions					
	🗄 ổ Script Libraries					
	🗄 📆 Shared Resources					
	🗄 💼 Composite Applications					
	🕒 💼 Other		Errors	2,1		

2f. In the right pane, from the drop-down menu, select **Simple Action**; a warning dialog displays. Click **Yes** to save your changes and close the warning dialog. At the bottom of the **Agent** view, click **Add Action**; the **Add Action** dialog box displays:



Add Action ? 🗙
Action Modify Field
Modify by: 💿 Replacing 🔿 Appending
The value in <u>field</u> AbortGracefully
With the new value
In the currently selected documents, Notes will replace the value in the specified field with the new value. Alternatively, for text fields Notes will append the value to the existing value in the specified field.
<u>A</u> dd Cancel

2g. From the Action drop-down menu, select Copy to Folder; the available folders display:



Add Action	? ×
Action Copy to Folder	v
Copy documents to folder	
Image: Second control of the selected documents to the selected d	specified folder.
	Add Cancel

2h. Click **Inbox**, and then click **Add** to save your changes and close the dialog box. The **Agent** displays the new action:



🔊 B	🧧 Barracuda Mail Archiver Copy to Inbox - Agent - IBM Lotus Domino Designer 📃 🗗 🔀					
<u>F</u> ile	<u>File Edit Greate Tools H</u> elp					
	Mail Journaling (8) - Design 🗙	💡 Barracuda Mail Archiver Copy 🗙				
B	Recent Databases 🖉 🗙	Objects	Barracuda Mail Archiver Copy to Inbox (Agent) : A	Action		
	View ▼ 🎦	Barracuda Mail Archiver Copy to	Run Client Simple action(s)	~		
R	Mail Journaling (8) WMD0MIN0800/0=GlobalSCAPEV	♦ Document Selection ♦ Action	Copy document to folder 'Inbox'			
	Framesets					
\mathbf{v}	🖶 🖆 Pages					
	🕀 🔝 Forms					
	🕀 🔚 Views					
	E Folders					
	🛱 📴 Shared Code					
	🖻 🖓 Agents					
	电·铝 Outlines					
	🕀 💼 Subforms					
	⊞-r_★, Fields					
	🖻 🗉 Columns					
	⊞ ≸ + Actions					
	🗄 ổ Script Libraries					
	🕀 📆 Shared Resources					
	🕀 🛅 Composite Applications					
	⊡ 💼 Other		Add Action			

2i. Close the Agent; a warning dialog displays. Click Yes, and then close IBM Domino Designer.

Step 3. Update the Mail File Value

Use the following steps to change the mail file value from its existing name to **mailjrn**.

You must have an IBM Domino account with edit rights to complete the following steps.

3a. Log in to the IBM Domino Client, and open the name and address book entry for the **BarracudaMailArchiver** account. Click on the **Person** name in the view to access the edit mode:



🐵 BarracudaMailArchiver/GlobalSCAPE - IBM Domino Administrator				
<u>File</u>	<u>E</u> dit ⊻iew <u>C</u> reate <u>A</u> ctions	<u>T</u> ext <u>H</u> elp		
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10	0020			
		2(1)-35		
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	Save & Close	amine Internet Certificate(s)) 😍 Cancel 🍄 Open Mail	File Enat▼
	Person: BarracudaMailArchiver/GlobalSCAPE BarracudaMailArchiver/GlobalSCAPE@GlobalSCAPE Basics Work/Home Other Miscellaneous Certificates Roaming Administration			
Ø	Basics		Mail	
	First name:	C	Mail system:	^r Notes , ▼
	Middle name:	P	Domain:	GlobalSCAPE _
	Last name:	^r BarracudaMailArchiver_	Mail server:	[©] VMDOMINO800/GlobalSCAPE 』▼
	User name:	[©] BarracudaMailArchiver/GlobalSCAPE	Mail file:	^r mail\barracud _
		BarracudaMailArchiver_	Forwarding address:	
	Alternate name:		Internet address:	۲ ــــــــــــــــــــــــــــــــــــ
	Short name/UserID:	[₽] BMA.₁	Format preference for incoming mail:	^r Keep in senders' format ₂ ▼
	Personal title:	^r Inet pw: aaaaaa 』▼	When receiving	
	Generational qualifier:	r . •	 unencrypted mail, encrypt 	^r No
	Internet password:	*or Password	mailfile:	
		(°-RZ)	Collaborati	

3b. In the **Mail** section, note the current value of **Mail file**, then change the value to **mailjrn**:

Typically the initial mail file name is preceded by a folder, for example, **mail\databasename**, however, in this step the new value **mailjrn** is not preceded by a mail folder name.

3c. Save and close the view.

Step 4. Set Privileges

Use the following steps to verify the **Access Control List** entries for the **BarracudaMailArchiver** account on the **mailjrn.nsf** file have the same privileges as the **BarracudaMailArchiver** account on the *original* mail database.

4a. Log in to the IBM Domino Client, and open the **Files** tab. Right-click **mailjrn.nsf**, and click **Access Control - Manage**; the **Access Control List** dialog box displays:



Access Control	List to: BarracudaMailArchiver		? ×
🋃 Basics	Access Control List	Attribute	s
Roles	People, Servers, Groups Show All -Default- Anonymous BarracudaMailArchiver/GlobalSCAPE GlobalSCAPE Template Development/GlobalSCAPE LocalDomainServers OtherDomainServers VMDOMIN0800/GlobalSCAPE	User type <u>A</u> ccess <u>C</u> reate (<u>C</u> reate (<u>C</u> reate (<u>C</u> reate (<u>C</u> reate (<u>Read p</u> <u>Write proposed</u> <u>Replica</u>	Unspecified No Access documents documents private agents personal folders/views shared folders/views LotusScript/Java agents ublic documents ublic documents te or copy documents
	Add Bename Remove Effective Access Effective Access Full name: Full name: An Access Control List (ACL) defines who can view and edit your N database. Select a name in the list to see or set the access assign name. ast change: GlobalSCAPE Template Development on	Notes ned to the	
I	database. Select a name in the list to see or set the access assign name. Last change: GlobalSCAPE Template Development on According to: GlobalSCAPE	OK	Cancel

4b. If the **BarracudaMailArchiver** account does not display, click **Add** at the bottom of the screen and add the account to the database file. Click **OK** to save changes and close the **Access Control List**.

Test Your Settings

Open an email application that supports IMAP, and verify that the **BarracudaMailArchiver** account can be read and that the Inbox contains the records from the mail archive file. The **mailjrn.nsf** file Agent runs on a schedule specified by the IBM Domino Server (the default is every 30 minutes and can be set to a minimum of 5 minute intervals), therefore messages may not be immediately available. To force the Agent to run immediately, from the Domino Console, run the following command:

Tell amgr run mailjpn.nsf 'Barracuda Mail Archiver Copy to Inbox'



Figures

- 1. notes01.png
- 2. notes02.png
- 3. createfolder.png
- 4. createagent.png
- 5. agent_dialog1.png
- 6. agent_dialog2.png
- 7. close icon.png
- 8. agent_tab.png
- 9. add_action.png
- 10. folders.png
- 11. updated_agent.png
- 12. domino_admin.png
- 13. access_control_list.png

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