

How to Journal to the Cloud Archiving Service from Microsoft Exchange Server 2013 and Newer - Standard Journaling

https://campus.barracuda.com/doc/46892508/

Note that Barracuda Cloud Archiving Service follows the lifecycle policy of each supported vendor and does not guarantee support for versions that are end of life or end of support as indicated by the product vendor.

This article refers to the Barracuda Cloud Archiving Service, and a Microsoft Exchange Server 2013 or newer environment utilizing Standard Journaling, also known as mailbox database journaling.

If your Exchange environment has Premium Journaling capability, and you want more granular control over journaling, use the set up details in the article <u>How to Journal to the Cloud</u> <u>Archiving Service from Microsoft Exchange Server 2013 and Newer - Premium Journaling</u>.

Note: If you have not completed the initial setup and user configuration, see the <u>Getting</u> <u>Started</u> section to activate the service and add users:

- <u>Step 1 Activate Subscription</u>
- <u>Step 2 Configure Directory Services</u>
- <u>Step 3 Launch the Initial Setup Wizard</u>

Microsoft Exchange allows a Journal recipient to be either a *mailbox* or *contact*. By using a contact with an email address that is part of a non-existent domain, you can create a send connector that uses SMTP to deliver journaled mail to the Barracuda Cloud Archiving Service. Use the steps in this article to configure Envelope Journaling.

Use the examples included in this article to simplify troubleshooting. Note that you can cut and paste the shell commands directly from this article.

Option 1. Configure Journaling via Script

- 1. Go to the **Mail Sources > SMTP Journaling** page.
- 2. Go to Journaling Setup Scripts > Exchange 2013 or newer Standard Journaling.
- 3. Click **Show Script** to copy the script to your clipboard, or click **Download** to save the PowerShell script to your local system.



4. Open Exchange PowerShell, and run the script to configure Microsoft Exchange Server 2013+ to journal mail to the Barracuda Cloud Archiving Service.

Option 2. Manually Configure Journaling

Step 1. Create Mail Contact

The Mail Contact is the account that is to act as a "holding location" for journaled messages. The email address associated with this account is the designated recipient.

- Log in to the Barracuda Cloud Archiving Service, and copy your journaling address from the Mail Sources > SMTP Journaling page:
- 2. Log in to the Exchange Admin Center (EAC), and in the left pane, click **recipients > contacts**.
- 3. Click the + symbol, and click **Mail contact**.
- 4. In the **new mail contact** window, enter **Journaling** in the **First name** field, and **Contact** in the **Last name** field. The **Display name** field automatically populates.
- Enter JournalingContact in the Alias field (no spaces), and paste the journaling address copied from the Mail Sources > SMTP Journaling page into the External email address field:



new mail contact	
First name:	
Journaling	
Initials:	
Last name:	
Contact	
*Display name:	
Journaling Contact	
*Alias:	
JournalingContact	
*External email address:	
bma_demoguest@mas.barracudanetworks.com	n
	Save Cancel

6. Click Save.

Remote Domain

In previous versions of Exchange Server, the Exchange Management Console (EMC) was used to create a Remote Domain; in Exchange Server 2013+ the ECP/EAC has no analogous functionality so you must use PowerShell to create the Remote Domain.

Step 2. Configure Journaling

Use your region-specific MAS hostname, for example: mas.barracudanetworks.com



See <u>Data Centers by Region</u> for a list of region-specific MAS hostnames.

- 1. Log into your Exchange Server and open the **Exchange Management Shell**.
- Execute the following command to create the remote domain; this command ensures TNEF encoding is disabled, where mas.barracudanetworks.com represents the domain in your journaling address, for example: New-RemoteDomain -DomainName mas.barracudanetworks.com -Name "Cloud Archiver Domain"
- 3. Next, execute the following command to enable auto-forwarding: Get-RemoteDomain | Where {\$_.DomainName -eq "mas.barracudanetworks.com"} | Set-RemoteDomain -TNEFEnabled \$false -AutoForwardEnabled \$true
- 4. Enter the following command to verify the settings: Get-RemoteDomain | Where {\$_.DomainName -eq "mas.barracudanetworks.com"} |Format-table Name, DomainName, TNEFEnabled, AutoForwardEnabled

To route journaled mail that is sent to the contact to the Barracuda Cloud Archiving Service, use the following steps to create a Send Connector for the Remote Domain:

 Log into the EAC and click mail flow in the left pane, select send connectors at the top of the page, and then click the + symbol to create a new send connector:

Exchange admin cent	er	
recipients permissions	rules delivery reports accepted domains receive connectors send connectors	email address policies
compliance management	NAME 🔺 STATUS	
organization	There are no items to show in this view.	
protection		
mail flow		
mobile		
public folders		
unified messaging		
5 5	0 selected of 0 total	
1		

2. In the **Name** field, enter a name for the connector, and in the **Type** section, select **Custom**:



Send Connector - Windows Internet Explorer	_ 🗆
new send connector	He
This wizard will create a send connector.	
There are four types of send connectors. Each connector has different permissions and settings. Learn more	d network
*Nama-	
BMA Journal Contact Send Connector	
Type: © Custom (For example, to send to other non-Exchange servers)	
C Internal (For example, to send intranet mail)	
C Internet (For exmaple, to send internet mail)	
C Partner (For example, route mail to trusted 3rd party servers)	
nex	st cancel

3. Click next. (*Recommended*) In the Network settings page, select MX record associated with recipient domain.

5end Connector - Windows Internet Expl	orer			
new send connector				Help
send connector can route mail directly through	DNS or redirect it to a s	mart host. Learn mo	ore	
Network settings: pecify how to send mail with this connector.				
MX record associated with recipient domain				
Route mail through smart hosts				
+ / -				
SMART HOST				
Use the external DNS lookup settings on set	rvers with transport roles			
	373			
	back	next	cancel	

If you need to route mail through a smart host, contact <u>Barracuda Networks Technical</u> Support.



4. Click **next**. In the **Smart host authentication** page, because authentication is not used on the smart host connection to the Barracuda Cloud Archiving Service, no changes are necessary; click **next**:

ESend Connector - Windows Internet Explore	r		_ 🗆 🗙
new send connector			Help
Configure smart host authentication. Learn more.			
Smart host authentication:			
None			
O Basic authentication			
Offer basic authentication only after sta	arting TLS		
*User name:			
*Password:			
Note: all smart hosts must accept the same	username and pa	ssword.	
O Exchange server authentication			
O Externally secured (for example, with IPSec)			
	back	next	cancel
			🔍 100% 👻 /

5. In the **Address space** section, click the **+** symbol:

Send Connector	- Windows Internet Explore	er		_ 🗆 >
new send con	nnector			Help
A send connector rot space or a custom ty	utes mail to a specified list of d pe. Learn more	omains. These domains	can be SMTP addre	55
*Address space: Specify the address s	space or spaces to which this co	nnector will route mail		
TYPE .	DOMAIN		COST	
Scoped send co	nnector			
		back	next	cancel
				🔍 100% 🔻



6. In the **Address Space** page, enter the domain portion of your journaling address:

Address Space	The page blaidy		
add domain			
T			
*Type: SMTP			
Full Qualified Dom	ain Name (FQDN):		
mas.barracudanetwo	orks.com		
Cost			
1			
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			🔍 100%
e domain is	added to the Address sp	ace list:	100%
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8. Click **next**. In the **Source server** section, click the **+** symbol:



new send co.	nnector		
A send connector s more	ends mail from a list of servers	with transport roles or Edge Su	bscriptions. Learn
*Source server: Associate this com Subscriptions to th	nector with the following server is list.	rs containing transport roles. You	u can also add Edge
SERVER	SITE		ROLE

9. Verify all of the appropriate Exchange Servers are listed; click **add** to add additional servers:

Select a Server	- ₩111	dows incernet explorer		
NAME		SITE	ROLE	VERSION
WILEXCH2013		wil.local/Configuration/Sites/D	Mailbox, ClientAccess	Version 15.0 (Buil
		l calacte	d of 1 total	
		1 Selecte	d of 1 total	
add ->				
			ok	cancel

10. Click **OK**. In the **Source server** page, the selected servers display:



A send connector se more	nds mail from a list of servers with transport roles or Edge	Subscriptions. Learn	
*Source server: Associate this conne Subscriptions to this	ctor with the following servers containing transport roles. list.	You can also add Edge	
SERVER .	SITE	ROLE	
WILEXCH2013	wil.local/Configuration/Sites/Default-First-Site-Name	Mailbox, Clie	

11. Click finish. The new send connector displays as **Enabled** in the send connectors list:

recipients	rules delivery reports accept send connectors	ed domains email address policie
permissions	+ / 🖮 😂 …	
compliance management	NAME STATU	US
organization	BMA Journal Contact Send Con Enable	ed BMA Jour
protection		Connector
mail flow		Last modified: 3/1/2013 9:06:5
mobile		Connector statu Disable
public folders		Logging - Off On
unified messaging		Mawimum aand

12. Click the **Edit** icon to edit the Send Connector properties. From the **Maximum send message** size (MB) drop-down list, select **unlimited**, and then click **save**:



New		He
New		
general		
deliver	*Name:	
delivery	BMA Journal Contact Send Connector	
scoping		
	Connector status:	
	✓ Enable	
	Proxy through client access server	
	Comment	
	Comment:	
	Protocol logging level:	
	None	
	() Verbose	
	*Maximum send message size (MB):	
	unlimited	\sim
	save	cancel

Step 3. Set Up Mailbox Database Journaling

Use the following steps to set up mailbox database journaling:

You must complete *all* of the steps in this section for *each* Exchange Email Database.

1. Log into the EAC and click **servers** in the left pane, select **database** at the top of the page, and then click the **Edit** () icon to edit the database properties:



Exchange admin ce	enter					
recipients	servers datab	ases database	availability groups	virtual dir	ectories certific	ates
permissions	+ 🖊 🖮 🖉 i	g				
compliance management	NAME	ACTIVE ON SERVER	SERVERS WITH COPIES	STATUS	BAD COPY COUNT	
organization	Mailbox Database 1	WILEX13-2	WILEX13-2	Mounted	0	Mailbox Databa
protection						
mail flow						Servers WILEX13-2
nobile						Database copies: Mailbox Database 141
public folders						Active Mounted Copy queue length: 0
unified messaging						Content index state: H View details
servers						
nybrid						
			1 selected of 1 total			

2. In the **Properties** page, click **maintenance** in the left pane:

Mailbox Database	1414003762	нер
general maintenance limits client settings	Name: Mailbox Database 1414003762 Database path: C:\Program Files\Microsoft\Exchange Server\V15\Mailbox\Ma	Â
	Last incremental backup:	
	Mounted on server: WILEX13-2.WIL2.COM Master:	
	Master type: Server	
	Modified: 4/10/2013 10:22 AM Sociar besting a conv of this database:	~

3. In the **maintenance** page, click **browse** following the **Journal recipient** field:





4. Navigate to and select the destination location for journaled messages:



Select Recipient -	windows Internet	Explorer	,O Help
DISPLAY NAME	ALIAS 🔺	RECIPIENT TYPE	PRIMARY SMTP
Administrator	Administrator	User mailbox	Administrator
Journal Contact	journalcontact	Mail contact	bma_a1b2c3d4

5. Click **ok** to select the journal message recipient. The recipient displays in the **maintenance** page:



Journa	reci	pienu													
Journal Contact 🗙 browse															
Mainte	nanc	e sch	edule	:		Noc	n (PN	0							
1	2 2	4	6	8	10	12	2	4	6	8	1	0			
Su				-	-	+++		-		-					
Tu					-	tt	+				+				
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This database can be overwritten by a restore															
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6. Click **save** to save your settings.

Once you complete Option 1 or Option 2, the configuration is complete and journaled mail is forwarded to the Barracuda Cloud Archiving Service.

Note that journaled mail via SMTP has a maximum message size limit of 100MB.

Log in and go to the **Basic > Search** page in the web interface to verify that new mail is being processed. Note that it may take up to 30 minutes before journaled mail is available in the search results.

Barracuda Networks recommends hiding the Journal Contact-as well as any mailbox set up for undeliverable journal reports-from the GAL so that mail is not sent directly to these accounts.

Continue with <u>Step 5 - Create Service Account</u>.



Figures

- 1. newMailContact.png
- 2. send_connector.jpg
- 3. new_send_connector.jpg
- 4. image2016-6-13 12:25:47.png
- 5. authentication.jpg
- 6. address_space.jpg
- 7. 2013-4h-address-space.png
- 8. 2013-4i-send-connector.png
- 9. source_server.jpg
- 10. select_server.png
- 11. finish.jpg
- 12. enabled.jpg
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- 14. Editlcon.png
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