

POP3-connectivity for MS-Exchange-Server

Exchange 2007 Server Configuration Guide

This guide shows the steps neccessary to configure a newly installed Exchange 2007 server for receiving email from POPcon or POPcon PRO and for sending out emails to the internet.

Basically you need to perform these four steps:

- 1. Add your own internet domain to the "Accepted Domains" list
- 2. Configure a Send Connector for outgoing emails
- 3. Configure a Receive Connector for incoming emails (from POPcon) without Authentication
- 4. Assign email addresses to individual users in the active directory

1. Add your own internet domain to the "Accepted Domains" list

Open the Exchange Management Console and select Organisation Configuration, Hub Transport.

In the middle pane select the Accepted Domains tab. There already will be one local domain configured here. You can leave it.

🔀 Exchange Management Console				
<u>File Action View H</u> elp				
Microsoft Exchange	🗟 Hub Transport		1 object	Actions
	Transport Rules Journaling	Send Connectors Edge	Subscriptions Global Settings	Hub Transport 🔺
Client Access	Remote Domains	Accepted Domains	E-mail Address Policies	💱 New Remote Domain
Hub Transport	Name A	Accepted Domain	Type	New Accepted Domain
Server Configuration	Serverdomain local	serverdomain.iocai	Authoritative	🦉 New E-mail Address Hilic
Recipient Configuration				📔 New Transport Rule
TOODOX				🔛 New Journal Rule
				New Send Connector
				🇞 New Edge Subscription
				🗟 Export List
				View 🕨
				🔊 Refresh
				😰 Help
				Serverdomain local 🔺
				V Properties
				😭 Help
Create new accepted domain				

Choose New Accepted Domain in the Actions pane.

Chose a name for this domain (not important) and enter your internet domain name (in a domain.com format without @ or *@) as Accepted Domain.

Also, select Authoritative Domain to tell Exchange to accept internet emails for this domain name.

 New Accepted Domain Completion 	New Accepted Domain Accepted domains are used to define which domains will be accepted for inbound e-mail routing. These are any domains for which you wish to receive e-mail. Name:				
	Servolutions				
	A <u>c</u> cepted Domain:				
	servolutions.com				
	After Microsoft Exchange accepts e-mail for this domain, it can handle the e-mail in several ways. Select from the following options:				
	• Authoritative Domain. E-mail is delivered to a recipient in this Exchange organization.				
	Internal <u>Relay</u> Domain. E-mail is relayed to an e-mail server in another Active Directory forest within the organization.				
	External Relay Domain. E-mail is relayed to an e-mail server outside this Exchange organization by the Edge Transport server.				

2. Configure a send connector for outgoing emails

The send connector is used to pipe outgoing emails from Exchange via your providers SMTP relay server to the internet.

Select Organisation Configuration, Hub Transport in the Exchange Management Console.

In the middle pane select the Send Connectors tab. And in the Actions pane click on New Send Connector



We'll add a new send connector. Chose any name (not important for the function) on the first page:

 Introduction Address space Network settings Source Server 	Introduction This wizard helps you create a new SMTP Send connector on the selected Exchange server. To configure properties not shown in this wizard, in the Exchange Management Console, select the new connector. Then, in the action pane, click Properties. Name
New Connector	outgoing internet mail
Completion	Select the intended use for this Send connector:
	Custom

On the next wizard page we need to specify an address space to be served for this connector.

Address space	Address space	ace(s) to which this connector	will route mail:	
 Network settings Source Server New Connector 	Type Add	Address	Cost	
Completion				

The address space "*" means this send connector is sending out email to any domain on the internet. You can build additional specific send connectors for other target addresses, like "*@sistercompany.com" if there are special routing requirements.

SMTP Address Space		×
<u>T</u> ype:		
SMTP		
A <u>d</u> dress:		
<u> </u> 1		
Include all subdom	ains	
<u>C</u> ost:		
1		
	ОК	Cancel

On the next page we switch the configuration to Route email through your provider SMTP relay server (Smarthost in Exchange terms) and add the provider server address.

The other option (use DNS without a relay server) can only be used when you are connected on a fixed IP address and host the webpages yourself.

- madacadn	Network settings
Address space	Select how to send mail with this connector:
🔲 Network settings	C Use domain name system (DNS) "MX" records to route mail automatically
Source Server	Route mail through the following smart hosts:
New Connector	♣ A <u>d</u> d. _N // Edit ×
Completion	Smart h

Ad	d smart host	×
0	I <u>P</u> Address:	
	0.0.0.0	ſ
	Example: 192.168.10.10	
C	Eully qualified domain name (FQDN):	
	smtp.myprovider.com	1
	Example: smarthost.company.com	
	OK Cancel	

The last page of the wizard is needed to enter the provider smtp relay servers username/password credentials. Almost all provider servers require you to log in before you can use their relay servers to send out email to protect against spam senders. It does not matter which users login data you use, this will not change the email content. Any provider smtp server login will do.

Introduction	Configure smart host authentication settings
 Address space Network settings Configure smart host authenticatio Source Server New Connector Completion 	 Ngne Basic Authentication Basic Authentication over TLS User name: SMTPuser Password: e Note: all smart hosts must accept the same user name and password. Exchange Server Authentication Externally Secured (for example, with IPsec).

3. Configure the receive connector for incoming email

POPcon uses SMTP to forward emails to Exchange. For this to work we need to change two Exchange 2007 default configuration settings: The maximum email size is fixed to 10MB here and we need to add the anonymous user to the permission group in order to allow POPcon to transfer email.

We can find these configuration settings under Server Configuration, Hub Transport, Receive Connectors, Properties of the Default Receive Connector:

🔀 Exchange Management Console				
Eile Action View Help				
Microsoft Exchange	🍺: Hub Transport		1 object	Actions
Greanization Configuration Server Configuration	Y Create Filter			Hub Transport 🔺 📥
Mailbox	Name 🔺	Role	Version	📑 Export List
Client Access	EX075P1	Hub Transport, Client Acc	Version 8.1 (Build 240.6)	View >
Unified Messaging				Refresh
E Scolpert Configuration				ያ Help
	•		F	▲
	EX07SP1			EX075P1
	Receive Connectors			🐁 Manage Mailbox Se
	Name A	Status		🐁 Manage Client Acce
	Client EX075P1	Enabled		🏪 Manage Unified Me
	Default EX07SP1	Enabled <u>D</u> isable		🕎 New Receive Conn
		Remov	je l	V Properties
		Proper	ties	Default EX075P1
		Help	-1 <u>2</u>	🔘 Disable
				X Remove
				V Properties
				rige Help 🔽

The Maximum message size is fixed to 10240KB (10MB) by default on the General tab of these properties Change that to 102400 (100MB) in order not to allow longer emails to come through. You can always limit individual user's allowed maximum email sizes.

Default EX075P1 Prop	erties		x		
General Network A	uthentication Permission Groups				
Default EX	(07SP1				
Connector status:	Enabled				
Modified:	Monday, February 23, 2009 10:20:54 PM				
Protocol logging lev	Protocol logging level:				
Specify the FQDN the FQDN the FQDN the FX07SP1 LITWAR	nis <u>c</u> onnector will provide in response to HEL FINC COM	.0 or EHLO:			
(Example:mail.conto	(Example:mail.contoso.com)				
<u>M</u> aximum message :	ize (KB):	10240			
		.0			
	OK Cancel Apply	Help			

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We also need to add the Anonymous users tot he Permission Groups tab in order to allow POPcon to connect to this receive connector at all.

Default EX075P1 Properties	×
General Network Authentication Permission Groups	
General Network Authentication Permission Groups Specify who is allowed to connect to this Receive connector. Image: Anonymous users Image: Anonymous users Image: Exchange groups Image: Anonymous users Image: Exchange servers Image: Exchange Servers Image: Exchange Servers Image: Eachange Servers Image: Partners Image: Partners	
OK Cancel Apply	Help

4. 4. Assign email addresses to users in the active directory

All you need to do now is to add SMTP email addresses to users in the active directory. Users can have more than one SMTP address, for example they can have <u>info@yourcompany.com</u> in addition to <u>jeff.smith@yourcompany.com</u>.

Exchange provides the convenient E-Mail Address Policies feature that allows you to assign identically formatted email addresses to all (including future) users.

Open up Organization Configuration, Hub Transport, E-Mail Address Policies and click on New E-mail Address Policy in the actions pane.

🔀 Exchange Management Console				<u>_ ×</u>
Eile Action View Help				
Microsoft Exchange	🗟 Hub Transport		1 object	Actions
Organization Configuration Mailbox	Transport Rules Journaling) Send Connectors Edg	e Subscriptions Global Settings	Hub Transport 🔺
Client Access	Remote Domains	Accepted Domains	E-mail Address Policies	🏥 New Remote Domain
Hub Transport	Name	Priority	Last Modified Time	🐐 New Accepted Domain
Gerver Configuration	Default Policy	Lowest	Monday, October 19, 200.	1 New E-mail Address Polic
Recipient Configuration				New Transport Rule
				🔐 New Journal Rule
				New Send Connector
				🗞 New Edge Subscription
				📑 Export List
				View 🕨
				Refresh
				😭 Help
	•		F	
New E-mail Address Policy	J			

You can assign a (non-essential) name to the new policy:

 Introduction Conditions E-Mail Addresses 	Introduction This wizard allows you to create a new e-mail address policy. E-mail address policies generate e-mail addresses for your users, contacts, and groups. Name-
Schedule New E-mail Address Policy Completion	Servolutions Include these recipient types:

And then add a new E-Mail Addresses format on the next page:

New E-M	lail Address Policy
Introduction	E-Mail Addresses
Conditions E-Mail Addresses	Add • Edit X Set as Reply
Generation Schedule	Address Add a new address to the list.
New E-mail Address Policy	
Completion	
Help	< Back Next > Cancel

Enter your domain name and select one of the formats:

SMTP E-mail Address	x		
E-mail address local part:			
🔘 Use <u>a</u> lias			
Eirst name.last name (john.smith)			
First name initial and last name (ismith)			
First name and last name initial (johns)			
🔘 Last name.first name (smith.john)			
C Last name initial and first name (sjohn)			
C Last name and first name initial (smith)			
 Select accepted domain for e-mail address: 			
servolutions.com Browse.			
Specify custom fully qualified domain name (FQDN) for e-mail address: servolutions.com	_		
OK Cancel			

And that's already all there is to do in order to get a new Exchange 2007 installation up and running with incoming (via POPcon) and outgoing (via your providers SMTP relay server) emails.