Mail Server Scenarios and Configurations

Scenario 1:

Using Wingate as the main Mail Server on your network.



In the example above you would be using WinGate's built in mail server capabilities. Client computers (1,2, and 3) have their mail client programs (such as Outlook) configured to use the WinGate machine's IP address for SMTP and POP3. So, for example, if Bob is using Client 1 and wishes to send an email to Fred who has a hotmail address then, when Bob presses 'send' his mail program will connect to WinGate's SMTP server on port 25. WinGate then accepts the mail and begins to process it. As the message is destined for a hotmail address WinGate creates a connection to the Hotmail server and delivers the message. When Fred replies to this email the same path is taken but in reverse; so Hotmail connects to WinGate, which again accepts the message for processing. As Bob has an email address associated with his WinGate username, WinGate stores the email until Bob's mail client connects to WinGate (via POP3) and checks for any new mail.

If this is the configuration you are planning on using on your network, then you need to configure the Email settings in WinGate as follows:

	1340	Destination	
g dpik.com	Local		
		Default domain:	

Open the Email properties from the 'System Services' tab in GateKeeper, and under 'Domains' enter the name of the domain that is to be hosted. In this case, it is qbik.com. *

	Addiess	Deliver to Mailbox	
Under the 'Addresses' tab tch email addresses up to WinGate users.	 ✓ bobl@qbik.com ✓ jim@qbik.com ✓ postmaster@qbik.com 	bob jim Administrator	
		local use	r mailbox

lease enter the full	y qualified DNS na	me of this machin	ne as it is known to c	others.
iervet domain name	e gbik.com			
ransport Layer Sec	unly (TLS/SSL) au	pport		
iust have a certifica gency to provide o Z Enable TLS sup	ate. You may geni ne foi you. Press F port ntication methods	arate one for your 1 for more inform	self, or use a certific ation.	ale signing Certificate
Method	POP3	SMTP	User Database	
CALISER/PASS	Allow	N/A	Either	
	1 2 3 3 4 Y	ALZA.	WinData Dolu	
APOP	Allow	nue.	windlate only	
APOP SASL PLAIN	Allow Secure (TLS)	Secure (TLS)	Either	
APOP SASL PLAIN	Allow Secure (TLS) Allow	Secure (TLS) Allow	Either WinGate Only	

The purpose of the Security tab in the Email properties is to further protect the server from spammers and to control access more tightly with regard to who can send through WinGate Mail. More detailed information about these options can be found on <u>Qbik's website</u>

Although changes can be made to the other 3 configuration screens (Receiving, Scanning and Delivery), the defaults will suffice to allow the WinGate mail server to function correctly.

When you click OK on the Email Properties screen you will be presented with a message (see opposite). You will need to answer Yes to this to be able to *receive* emails from the internet.

Binding problem	X
Your SMTP service You need to bind to from the internet. Thi I Don't ask me ag	doesn't seem to have any external bindings. an external interface to receive mail is needs to open a hole if your firewalt. Would you like to enable this? affil
	Yes No

Client machines then need to have their SMTP and Pop3 settings pointed to the WinGate machine's IP address. This example (*right*) shows the entries that would be made in Outlook Express if the WinGate server's IP was 192.168.0.100.

My incoming mail se	erver is a POP3 server.
Incoming mail (POP	23): 192,168.0.100
Outgoing mail (SM1	FP): 192.168.0.100
ncoming Mail Server	
Agcount name:	bob
Password	D910033200384
	Remember password
Log on using §	ecure Password Authentication
Outgoing Mail Server	
My server requi	ires authentication

WinGate is now configured and ready to use as an email server.

*The Domain you enter needs to have a DNS record located somewhere (either locally by you, or with your service provider).

Scenario 2:

A mail server already exists on your network:



In this situation a 3rd party standalone mail server is responsible for looking after email on your network. There are actually two ways that this situation could be set up. The 3rd party mail server could either be configured to deliver its mail to the WinGate mail server which then delivers this email out to the internet, or the 3rd party mail server could 'pass through' WinGate and deliver the email direct itself. We would recommend that you still use WinGate's mail server in this chain as this then gives the added safety of WinGate's Anti-Virus. This section will detail how WinGate needs to be configured to get both situations working.

Firstly, if you choose to configure your 3rd party mail server to deliver to WinGate, and then out on to the internet:

Open the Email properties from the 'System Services' tab in GateKeeper, and under 'Domains' enter the name of the domain that is hosted on by the 3rd party mail server. Here it is qbik.com. * Even though WinGate isn't hosting the domain it still needs to know what your domain is so that it is able to pass the correct email along to the 3rd party mail server

P Orodan.	Type	Destination	
🗟 qbik.com	Local		

There is no need to configure additional addresses, as your 3rd party mail server will deal with which users have email addresses. As a result, the Addresses tab will be greyed out. Any email addresses already created will be retained as read only.

PM/1622	Deliver to Mailbox
☑ bob@qbk.com ☑ jm@qbk.com ☑ postmaster@qbk.com	bob jim Administrator
address) (domain)	local user mailbox

Intrusted Sender (e.g. Inbound Ir Allow relay	ion Internet) se Open Relay Detection Settings.
Validate that the sender do	main exists
Limit message size to (KB)	20000
 Limit number of recipients to 	0 100
rusted Sender (e.g. Local / Out	bound from LAN)
Allow relay	
Limit message size to (KB)	50007
Limit number of recipients to	0 255

Again no settings need to be changed here, but if you would like email notifications of viruses etc to go to a different address then the Administrator's address can be changed to whatever you choose.

Inform sender	E.g. K contanti a virus) ↓ Include headers
Inform original recipients	
Inform administrator	
Administrator email address	postmaster@qbik.com
Return address for errors	postmaster@qbik.com

This is the most important screen to configure correctly for this scenario. The 'Remote Delivery' does not need to change as WinGate will deal with this side of things. However as you still wish the 3rd party to be your networks mail server, WinGate needs to be told this, and thus the setting under 'Local Mail / Inbound' should be ticked and the IP address of this 3rd party mail server entered here, with the port number that it is listening on (usually port 25 for mail / SMTP)

When you click OK on the Email Properties screen you will be presented with a message (see opposite). You will need to answer Yes to this to be able to *receive* emails from the internet.

en an				
Hemole delive	ny .			
How to deliv	er Deliver directly	*		
Server			Port 25	
Use maximu	m 20		threads for d	elivery
Server	100.100.0.100			
Server	1.00.100.0.100			
Server	mediate delivery	Allow deliver	y to trigger dia	ler
Server Attempt im	mediate delivery F	7 Allow deliver	y to trigger dia	ler
Server Attempt im Keep copi Process m	mediate delivery F es of sent mail ail every 15	 Allow deliver seconds 	y to trigger dia	ker



	SMTP Server properties General Bindings Interfaces Sessions Plugins Co.
Finally, if you have any WinGate Anti-Virus product installed, check to make sure the Anti-Virus scanning is enabled in the SMTP Server properties.	Kaspersky AntiVirus for WinGate Refresh

If however you would prefer to simply 'pass through' WinGate and have your existing 3rd party mail server receive and deliver the mail directly to the internet, then you will need to configure WinGate as follows (This description presumes you have installed the ENS):

As none of WinGate's specific mail functions will be used, these will need to be switched off, to stop them interfering when mail is trying to 'pass through'. To do this, right click on both the POP3 and SMTP Servers in the System Services tab and select Stop.



Connections from	Protocol
Internet computers	₽ ICP
Local computers to the WinGate PC	T UDP
a successiver of the firemen	
From port 25 to 25	
Description Email re-direct to internal 3rd p	oarty mail server
Action	
C Allow Packet	
C Drop Packet	
Bedrect Packet to IP address 192.16	8.0.100
P Dont translate source IP	mide port
IV Use SYN cookies	
Dations	
Use standard timeout values	
C Never timeout	
C Custom timeout after 0 PPD	andi
	~ ~ ~ ~ ~ ~

To ensure mail is sent to your domain gets through to the 3rd party mail server, a redirect needs to be added so that WinGate knows where to forward the inbound email onto. This is done by opening up the ENS properties and under the Port Security tab adding a redirection such as the one opposite (where 192.168.0.100 is the IP address of the 3rd party mail server).

WinGate doesn't require any configuration to send the email as the 3rd party mail server should be configured to use WinGate as it's default gateway, and thus will use NAT to connect to the internet.

Irrespective of whether you have WinGate in pass through or forwarding mode, client computers should have their Mail clients set up identically to send and receive.

and Party Mail Server Properties	? ×	
General Servers Connection Security Advanced		
Server Information <u>My incoming mail server is a POP3</u> server.		
Incoming mail (POP3): 192.168.0.100		
Outgoing mail (SMTP): 192.168.0.100		
Incoming Mail Server		
Agcount name: bob		
Password Descourse		
Permember password		
Log on using Secure Password Authentication		
Outgoing Mail Server		
My server requires authentication	1-0	
OK Cancel 4	soply	
	General Servers Connection Security Advanced Server Information My incoming mail server is a POP3 server. Incoming mail (POP3): 192.168.0.100 0gtgoing mail (SMTP): 192.168.0.100 Incoming Mail Server Agcount name: bob server Agcount name: bob server Incoming Mail Server Image: Connection Server Outgoing Mail Server Image: Connection Server Image: Connection Server Server Image: Connect	

*The Domain you enter needs to have a DNS record located somewhere (either locally by you, or with your service provider).

Scenario 3:

Your ISP hosts your email.



In this situation you connect through WinGate (this example presumes that the ENS is installed) to your ISP to collect and send email, and the ISP talks to the other computers on the internet. WinGate can have some involvement in this process, if required. We would recommend that you set your mail clients to send to WinGate, and then point WinGate at the ISP's mail server, as this will provide anti virus scanning. So if Bob is client 1 and sends an email to Frank at Hotmail, then the mail client (say, Outlook) is either configured with the ISP's mail server details, and will NAT through WinGate and talk directly with this ISP server (SMTP). Or alternatively, send to WinGate's mail server, which will process the mail and send it to the ISP's mail server. This ISP server will, in turn, process the email and send it to Hotmail, where Frank will receive it. When Frank replies, hotmail will talk to the ISP's mail server (POP3) through WinGate, and download any new messages he has waiting.

m Local Default domain:	main	Type	Destination	
Default domain:	qbik.com	Local		
Default domain:				
D'ordan domain,				
Trease Fire			Data it domain	
Default domain:				
Transversion I and the second se				

Open the Email properties from the 'System Services' tab in GateKeeper, and under 'Domains' enter the name of the domain that is hosted on the ISP's mail server. Here it is qbik.com. * Even though WinGate isn't hosting the domain, it still needs to know what your domain is so that it will only allow email from your domain to be sent

You do not need to configure any user Addresses or any other information regarding Receiving as, in this situation, WinGate isn't involved in that part of the proces.

Again no settings here need to be changed, but if you would like email notifications of viruses etc to go to a different address then the Administrator's address can be changed to anything

Mail Server	
Domains 🔬 Addresses When an email fails a scan (r	🕒 Security 🍠 Receiving स Scanning 💘 Delivery s.g. it contains a virus)
Inform sender Inform original recipients Inform administrator	Include headers
Administrator email address	postmaster@qbik.com
Return address for errors	postmaster@qbik.com
Help	OK Cancel Apply

It is under Delivery that the only major configuration change has to be made. Instead of 'Remote Delivery' being set to Deliver directly, the setting should be changed in the drop down list to Use Gateway and either the IP address or name of your ISP's server should be entered with the correct port number.

the second secon				
memore derivery	lu	100		
How to deliver	Use gateway	<u> </u>	Local Contraction	
Server	isp.maiserver.c	om	Port; 25	
Use maximum	20		threads for d	elivery
Attempt imme	ediate delivery	Allow deliver	y to trigger dia	ler
C Attempt imme	diate delivery of cent mail	R Allow delive	y to trigger dia	lor
C Attempt imme Keep copies Process mail	ediate delivery of cent mail every 15	Allow delive	y to trigger dia	ler

When you click OK on the Email Properties screen you will be presented with a message (see opposite). You will need to answer Yes to this to be able to *receive* emails from the internet.

Binding problem		×
Your SMTP service do You need to bind to an from the internet. This r I Don't ask me again	esn't seem to have any external bindings, external interface to receive mail needs to open a hole if your firewall. Would yn I	ou like to enable this?
	Yes No	

Finally, if you have any	
WinGate Anti-Virus product	
installed check to make sure	
the anti virus scanning is	
enabled in the SMTP Server	
properties	

Rugins Kaspersky	AntiVirus for V	/inGate	
			Refresh

If however you do not wish to take advantage of WinGate's Anti virus scanning (or you already have other methods in place) and would prefer to have your mail clients connect directly to your ISP's server then very little configuration needs to be done in WinGate. Simply stop the mail components of WinGate by right clicking on them in the System Services tab in GateKeeper.

S DHCP Service		Port	100
Contrat optimic	e		67
B Winsock Red	irector S	2	080
B GDP Service			368
B DNS Service			53
B Remote Contr	ol Service		808
B PDP3 Server			110
SMTP Server			25
🖂 Email	Start		Г
Caching	Stop		
Scheduler	Propert	ies	
Dialer .			- C.
A Extended Net	working		
En VPN			
DNS AMAGE	Recolver		

My ISP Email Properti	es	?
General Servers Conne	ction Security Advanced	
Server Information		
My incoming mail serve	ris a POP3 server.	
Incoming mail (POP3):	pop3.myISP.com	
Outgoing mail (SMTP):	smtp.my/SP.com	
Incoming Mail Server		
Agcount name:	bob	_
Password	IDBEGORROODERS.	
	Flemember password	
Log on using Secu	e Password Authentication	
Outgoing Mail Server		
My server requires	authentication	1701-
	OK Cancel	Apply

In this scenario your mail is stored remotely on the ISP's server, so the email client on your LAN computers should be configured as if directly connected to the internet (as long as NAT is installed and active on the WinGate machine). This example (*right*) is how Outlook Express would be configured.

*The Domain you enter needs to have a DNS record located somewhere (either locally by you, or with your service provider).