

LOQMail 2.0 – MS Exchange 2007 Integration

This document describes WebLOQ, Inc. **LOQMail** “Software as a Service” **Agent** as an adjunct to **Microsoft Exchange 2007** services in the role of **Smart Host**. LOQMail 2.0 provides secure message encryption to authorized traffic. The **LOQMail smart host** role allows the **MS Exchange administrator** to **determine** which accounts and which traffic to **route** from the **MS Exchange forest** through the **LOQMail 2.0 cloud**.

Prerequisites

Administrative

In order to transparently function, the credentials between the Microsoft Exchange 2007 Service, the WebLOQ account and the POP3Connector must be the same. However, because Microsoft Exchange 2007, LOQMail and the third party POP3Connector do not credential from the same source the burden to maintain this information falls to the administrator. Therefore, this solution presumes the business process of the customer can support an administrator maintaining account passwords for all three components.

Software

This document presumes the following are available to the administrator.

- Licensed Windows 2007 MS Exchange Server, properly configured and functional in conjunction with necessary services and associated user accounts.
- WebLOQ Inc. LOQMail Windows Agent and a WebLOQ Inc. multi-user account with administrator rights.
- POP3 Connector (our example uses POPBeamer)
- JAVA Virtual Machine 5 or higher

Hardware

WebLOQ recommends any system running our Agent software on Windows Services have at least:

- 256 MB RAM
- 20 MB Hard Drive Space
- Internet Connectivity
- 500 MHz CPU

WebLOQ – MS Exchange 2007 Integration

Microsoft Exchange 2007 Service

1. Apply all critical updates for your MS Exchange 2007 Server
2. Record the IP address of the external interface Exchange uses to listen for external mail on port 25. In the Exchange Management Console -> Server Configuration -> Hub transport -> Receive Connectors. Right click on each Receive Connector and select properties. Select the Network Tab. See if this is the receive connector which is listening on port 25. If the receive connector is listening on port 25, then check the “Use these local IP Addresses to Receive Mail” pane to see if the receive connector is bound to “[All Available IPs]”. If so, delete the “[All Available IPs]” setting and add the IP address of the external interface Exchange uses to listen for external mail on port 25. Make sure port 25 is still indicated and save. This configuration change requires a restart.
3. Create the new remote domain for the LOQMail account private domain in the Exchange Management Console -> Organization Configuration -> Hub Transport
4. Create a new Send Connector to route mail to private domains through the LOQMail SaaS. Exchange Management Console -> Organization Configuration -> Hub transport
 - a. In the address space of the new send connector create the address spaces(s) of any private domains to which you want to route your mail.
 - b. Set the send connector up to send to an external relay (smart host)
 - c. Set the smart host address as the listening address of the LOQMail Agent. Typically 127.0.0.1.
 - d. Set the send connector to use basic authentication to communicate with the smart host. Use the generic account and password you configured for your WebLOQ account to authenticate to the smart host (the LOQMail agent).
5. Create the new accepted domain for your LOQMail private domain. Exchange Management Console -> Organization Configuration -> Hub Transport.
6. In the Exchange Management Console -> Server Configuration. Configure the receive connector which listens on port 25 to allow anonymous access.
7. Configure each user’s mailbox (Exchange Management Console -> Recipient Configuration -> Mailbox) by adding their private email address to their email address properties and setting the private email address as the “Reply As” address. *Note: this change might mean un-checking the “auto-updated based on email-address policy” setting.*

POP3Connector

1. Download and install the POP3Connector. Please Note: WebLOQ Inc. has used POPBeamer, a licensable product in the past. We have no partnership with this products company and make no claims as to its production value. You may download a trial version of POPBeamer here: <http://www.dataenter.co.at/products/popbeamer.htm>
2. Setup a POP3 mailbox for every user. The login and credentials should reflect the LOQMail credentials.

3. Configure the POP3 target as the address of the smart relay host defined for the Microsoft Exchange server (*ie.* the LOQMail Agent software)
4. Configure the timing for selecting the POP3 addressees email as appropriate.

LOQMail 2.0

1. Log into your WebLOQ account.
2. Make certain all your LOQMail users are not running any LOQMail agents outside of the MS Exchange service.
3. Reset each user's certificate if they have one.
4. Reset each user's password such that their password coincides with their exchange password.
5. Download the LOQMail Agent software.
http://www.weblog.com/software/download/installer/win/xp/loqmail_win_installer.msi
6. Run the installer on the target system as the Administrator. At the end of the installation, the software will ask if you would like to configure your client software. Please uncheck this option and continue the installation.
7. The LOQMail software should automatically start. If it does not, then please start the software by double clicking on the desktop shortcut icon.
8. When prompted by the system, please provide the username and password for the generic LOQMail user account you set up to identify your server.
9. If you are running as Administrator you will find the key you just generated for that user in ~Documents and Settings/Administrator/.weblog/keys. Verify that the key is present.
10. Right Click the LOQMail icon in the system tray and choose "Exit" to shut off LOQMail.
11. Edit ~Program Files (x86)/WebLOQ Inc/LOQMail/app-framework.bat to include the UPDATER_DISABLED argument:

```
"%runJava%\bin\java" %DEBUG% -classpath "%CLASSPATH%";%APPPATH%  
-DUPDATER_DISABLED=true -enableassertions:loq.io...  
loq.framework.lifecycle.Lifecycle %* 2>start.err
```

12. Edit ~Program Files (x86)/WebLOQ Inc/LOQMail/conf/user.properties to set the following name/value pairs:

- agentUI=noui
- ClientSMTPListenAddress=127.0.0.1
- ClientPOP3ListenAddress=127.0.0.1

13. Check that LOQMail is configured to start when the system is restarted.
14. Restart LOQMail.

Testing

LOQMail

1. Send a private email to an exchange user via their private address. The email should be received via the LOQMail SaaS system by the appropriate recipient(s).

2. Have a user which received the message reply to this message. The original private sender should receive the reply via the LOQMail SaaS.

Microsoft Exchange 2007

1. Send an email to an exchange user via the exchange system. The email should be received by the appropriate recipient(s).
2. Have a user which received the message reply to the message. The original exchange sender should receive the reply.