



Release notes for MailXServer 4.3a

MailXServer 4.3a is available for online update. The following new features are included:

1. **Rules→Group Management:**

Groups can be created with unlimited members. Every group will have a configured domain connected to the group. Multiple groups can share the same domain, allowing the creation of feature specific groups. The group domain can be any local or external domain.

The same familiar user and domains interface is used to manage groups. Users inside a group can be released from the group to adjust user specific settings.

NOTE: It is important only to use groups for users that need different settings from the domain rules, since domain rules uses lower server resources.

2. **Queue Management**

Powerful queue management features are included in this release. Configured E-mail can be placed in a hold queue for later (delayed) delivery. Multiple queues with different priority settings are available to lessen the load on MailXServer. E-mail that cannot be delivered will automatically be moved down the priority queue scale according to configured delivery failure values. These values can be modified with the Mail Server->Queue Configuration menu option. The updated MailXServer graph view will give a quick overview of the number of messages in every queue. The new queues are as follows:

Mail Queue

When a user sends an e-mail the server will try to deliver the e-mail immediately. If the external server cannot accept the e-mail it will be placed in the Mail Queue. The Mail Queue will retry the e-mail delivery every X minutes. The default value for X is 1 hour. The queue service time, like all other queues, can be configured as required.

Slow Queue: High Priority

If the Mail Queue fails to deliver the e-mail a configured number of times, the e-mail will automatically be moved to the Slow Queue: High Priority. The default service time for this queue is 2 hours.

Slow Queue: Medium Priority

If the Slow Queue: High Priority fails to deliver the e-mail a configured number of times, the e-mail will automatically be moved to the Slow

Queue: Medium Priority. The default service time for this queue is 4 hours.

Slow Queue: Low Priority

If the Slow Queue: Medium Priority fails to deliver the e-mail a configured number of times, the e-mail will automatically be moved to the Slow Queue: Low Priority. The default service time for this queue is 8 hours

Trash Queue

If the Slow Queue: Low Priority fails to deliver the e-mail a configured number of times, the e-mail will automatically be moved to the Trash Queue. When an e-mail reaches this queue it is unlikely to be delivered due to problems on the external server's side. This queue will be serviced once every 24 hours. The e-mail will be deleted from this queue after a configured amount of days. The default value is 5 days.

Client Mail Queue

E-mail that is generated from the MailXServer server (i.e. warning messages) will be placed in this queue. E-mail that cannot be delivered will be moved down the queue priority queues as explained above.

Hold Queue

E-mail can be placed in the Hold Queue for later delivery. This can assist companies with limited Internet bandwidth resources. The Hold Queue can also help lessen the load on MailXServer during peak business times. The daily start, end and retry times can be configured.

E-mails can automatically be placed in the Hold Queue according to the following criteria

- On a rule match
- On a rule match where the e-mail exceeds a specified size
- On a rule match where the numbers of recipients exceeds the configured value
- On a rule match where an attached MIME type matched a configured value
- On a rule match where a configured tag is placed in the subject of a message.

3. Mail Server → General Settings

The following server operation settings can now be configured through the GUI:

- **Enable/Disable the early rejection filter:** If early rejection filter is disabled the servers performance will increase dramatically. On the downside the server will not check RBL, Graylist, SPF and forward lookups any more. This will cause a lot of spam to pass the filter.
- **Minimum Slaves:** Set the minimum slaves that will be enabled when the server is started. There is a performance penalty when starting new slaved.
- **Maximum Slaves:** Limit the server to a maximum number of slaves. On average a slave will use 40MB of RAM.

- **Busy Timeout:** Number of seconds a process is allowed to scan an email before it is timed out.
- **Idle Timeout:**
Number of seconds a process should be idle before being killed
- **Slave Sartup Delay:**
MailXServer will start new slaves at the given interval in seconds when the server is idle. If the system is busy, the slaves will start as incoming mail requests.
- **Local Host Connections:**
Number of slaves reserved for connections from the local server. Use -1 for no reservation. Use 0 to allow local server connections to queue.
- **Log Events:**
Log additional MailXServer events to the maillog. Only enable this for debugging.
- **Multiplexer Queue Size:**
Define the multiplexer queue size. 0 to disable queuing
- **Multiplexer Queue Timeout:**
Define the multiplexer queue timeout in seconds

4. Rules->Edit Messages

Added the ability to add the following variables in the warning messages:

- #q - Insert the quarantine directory
- #l - Insert a text link to the quarantine file

5. Reports→Graphs

Extended the queue graph with the new queues. Added a “not enough slaves” feature to the Graylist and Connection Errors graph.

6. Tools->Server Monitor

The server can be configured to do basic monitoring functions every 5 minutes. An e-mail will send to a configured address to warn the administrator on possible problems. The following can be monitored.

- Server Load
- Disk Space. If the specified disk limit is reached MailXServer can be configured to stop e-mail delivery to ensure no database corruption.
- Graph generation database corruption detection and automatic fix.
- The Server Monitor will also detect and fix queue runner problems.

7. Quarantined e-mail can now be released to the original and any other specified recipient.

8. The ability to synchronise MIME type blocking was added.

9. Analyze, release and view quarantined e-mail will now open in a new window.

10. Added MIME type blocking to the summery report.

11. Entries in the Graylist Delaypool can be manually placed in the Graylist Whitelist.
12. Updated the every5min, hourly and daily scripts. The server will automatically update to the newest anti-spam rules every night. To use this feature you must ensure that the server can access external sites with port 8090.
13. Updated anti-spam rules.

Compatibility

- The old every5min, hourly and daily scripts are replaced. If you manually edit these scripts make sure you make a backup before the server upgrade
- To enable spam rule updates every night you must configure your firewall to allow the server access to external sites on port **8090**.
- Some of the new anti-spam rules will increase the servers load. If you have any server load problems please contact you MailXServer support team for assistance to manually disable some of these rules.