



Release notes for MailXServer 4.6a

Before you start the update ensure that the Linux system is updated with the newest patches.

To update the system run the following from the Linux console as root:

Redhat: `up2date -u`

CentOS: `yum update`

A new release of MailXServer is available for online update. The following updates are made:

- **Connection Control**

- Mail Server ⇨ **Connection Control**

- Connection control will manage incoming connections to assist with spam blocking, load control and denial-of-service (DoS) attacks. All Connection Control tests will be done during the initial header communication between the servers. This will save bandwidth. The following connection control settings are available:

- **Maximum Recipients Per Message**

- The maximum recipients per message will only allow messages that contain a valid number of recipients. If the message exceeds the specified recipients the sender will receive the following failure "Too many recipients". This is a global setting and will override other rules.

- Maximum Recipients Per Message**

Enter a number between 0 and 999. 0 will disable this control

- **Connection Throttle Control**

- Connection Throttle Control can stop distributed denial-of-service (DDoS) attacks and can assist with server load. This control will allow no more than the specified number of new connections per second. If the control is for example set to 2 and 5 connections arrive at the server in one second the server will only handle 2 connections in a second, the remaining connections will have to wait their turn.

- Connection Throttle Control**

Enter a number between 0 and 99. 0 will disable this control

- **Connection Rate Control**

- Rate Control will limit the rate of incoming connections on a per server (IP) or subnet basis. If the incoming rate exceeds the value for the specified IP/subnet during the configured window time the e-mail will be temporary failed - causing the incoming server to queue messages

for later delivery (if the server is standards (RFC) compliant). The default value will be assigned to all servers that are not explicitly specified. The window time for connections can be modified. The default window time is 60 seconds.

Connection Rate Control - Windows Size
 Enter a value between 1 and 999 seconds. The default value is 60 seconds.

IP / Subnet	Allowed Connections/Window Size. 0 = unlimited	
<input type="text"/>	<input type="text" value="0"/>	<input type="button" value="Add"/>
Default	<input type="text" value="3"/>	<input type="button" value="Modify"/>
192.168	<input type="text" value="0"/>	<input type="button" value="Modify"/> <input type="button" value="Delete"/>
172.27	<input type="text" value="0"/>	<input type="button" value="Modify"/> <input type="button" value="Delete"/>

- **Simultaneous Connection Control**

Simultaneous Connection Control will limit the total number of connections on a per server (IP) or subnet basis. Rate Control alone might not protect the server from DoS attacks. A malicious server can create new connections to MailXServer at a slow rate without disconnecting. This can cause all slaves to be busy not allowing new connections from valid servers. To eliminate this threat a maximum concurrent connections by any IP or subnet can be specified. The default value will be assigned to all servers that are not explicitly specified.

IP / Subnet	Allowed Total Connections. 0 = unlimited	
<input type="text"/>	<input type="text" value="0"/>	<input type="button" value="Add"/>
Default	<input type="text" value="5"/>	<input type="button" value="Modify"/>
192.168.10	<input type="text" value="0"/>	<input type="button" value="Modify"/> <input type="button" value="Delete"/>

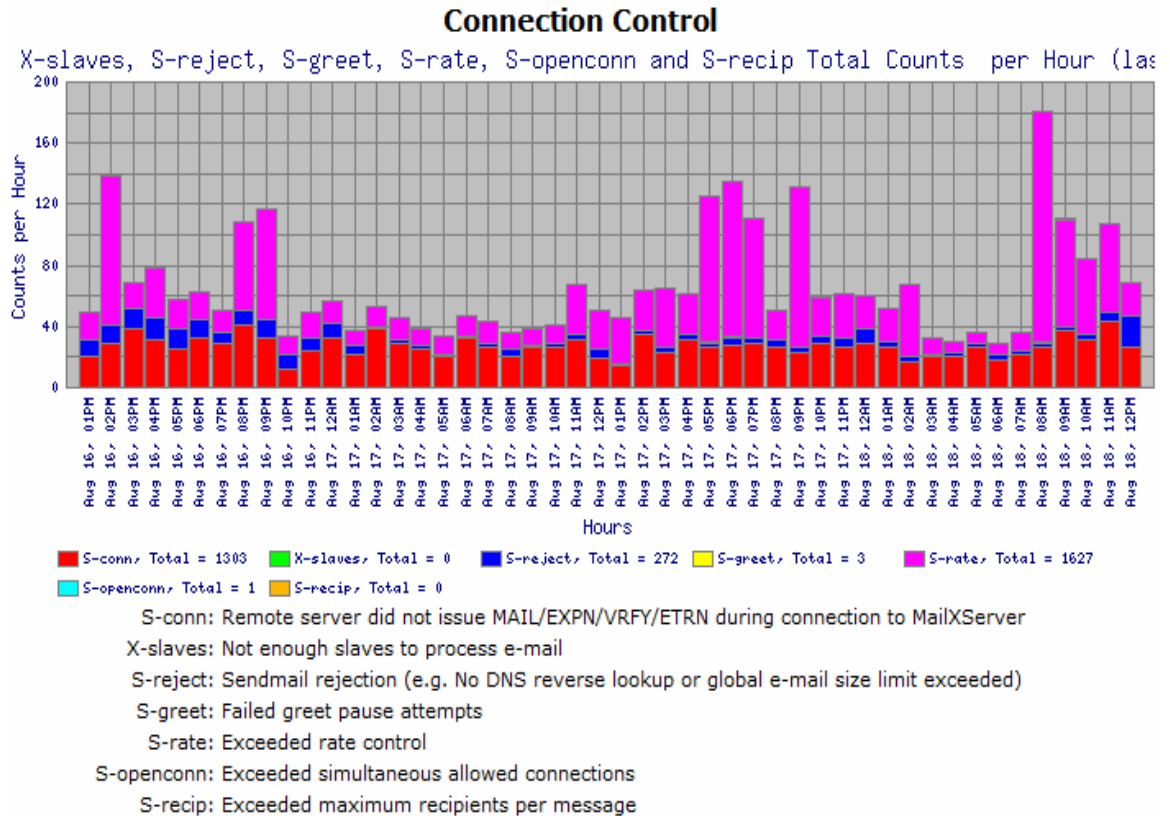
- **Greet Pause**

Spammers use a method called "slamming" to connect to a server without waiting for the recipient servers greeting. The greet pause method will delay the servers greeting for a specified period. If a malformed viruses, Trojans or spam generators sends commands before receiving a greeting all commands from the sending server will be rejected.

IP / Subnet	Pause time in milliseconds. 0 = no pause	
<input type="text"/>	<input type="text" value="0"/>	<input type="button" value="Add"/>
Default	<input type="text" value="4000"/>	<input type="button" value="Modify"/>
192.168.10.10	<input type="text" value="0"/>	<input type="button" value="Modify"/> <input type="button" value="Delete"/>

- **Update Graphs**

The graphs were updated to include graphs from the new Connection Control feature.



- **Hold Subjects**

Rules ⇨ **Edit HoldSubject**

Hold subjects can be defined for every domain or e-mail address (rules). If a message subject is matched to a hold subject the message is placed in the Hold Queue for later delivery.

- **Shadow Authentication**

The XUsers have been modified to allow users to authenticate from the local Linux shadow password file. Usernames will be retrieved from the virtualuser file or be derived from the supplied e-mail address.

- **Queue monitoring**

Tools ⇨ **Server Monitor**

MailXServer will monitor all the queues and send a notification e-mail to the administrator once the number of emails in the queue is greater than the specified number for each queue. The following queues will be monitored: Mail Queue, Client Mail Queue, Hold Queue, Slow Queue: High Priority, Slow Queue: Medium Priority, Slow Queue: Low Priority and the Trash Queue.

Enable Queue Size Monitor: The administrator will be notified on a rule trigger	Yes ▾
Mail Queue: This rule will trigger if the number of messages in the Mail Queue exceeds this value.	100
Client Mail Queue: This rule will trigger if the number of messages in the Client Mail Queue exceeds this value.	20
Hold Queue: This rule will trigger if the number of messages in the Hold Queue exceeds this value.	200
Slow Queue: High Priority This rule will trigger if the number of messages in the Slow Queue: High Priority exceeds this value.	100
Slow Queue: Medium Priority This rule will trigger if the number of messages in the Slow Queue: Medium Priority exceeds this value.	100
Slow Queue: Low Priority This rule will trigger if the number of messages in the Slow Queue: Low Priority exceeds this value.	100
Trash Queue This rule will trigger if the number of messages in the Trash Queue exceeds this value.	100
<input type="button" value="Update"/>	

- **Disk space monitor**
The disk space monitor was updated to allow monitoring of volumes with very long names (like LVM volumes).
- **Release multiple messages simultaneously**
Both the MailXServer GUI and the XUsers GUI have been modified to allow multiple messages to be release from quarantine simultaneously.

<input type="button" value="Release Selected"/>				
Select	Action	id	remotedate	sender
<input type="checkbox"/>	<input type="button" value="Release"/> <input type="button" value="Analyse"/> <input type="button" value="Learn as Spam"/> <input type="button" value="Learn as Ham"/>	11403926	2008-08-17 12:09:37	<3ff.4.53317243-6522996@clienteneeds.com>
<input type="checkbox"/>	<input type="button" value="Release"/> <input type="button" value="Analyse"/> <input type="button" value="Learn as Spam"/> <input type="button" value="Learn as Ham"/>	11403930	2008-08-17 12:12:49	<411.4.53312842-6522996@ageapply.com>

- **Action Buttons**
The action buttons was moved to the left of the table for both the MailXServer GUI and XUsers GUI.
- **Maillog sort order**
Entries in the maillog is now sorted in decending order.

- **Forward Lookup Testing**

- Tools ⇨ **Test Forward Lookup**

- To facilitate easier forward lookup configuration a forward lookup test was added.

- Testing user@domain.com...**

- ```
DEBUG => Connecting to localhost:25
SUCCESS => Received: 220 relay.domain.com ESMT
INFO => Sending: EHLO relay
SUCCESS => Received: 250-relay.domain.com Hello
localhost.localdomain [127.0.0.1], pleased to meet you, 250-
ENHANCEDSTATUSCODES, 250-PIPELINING, 250-8BITMIME, 250-SIZE 20485760,
250-DSN, 250-ETRN, 250-AUTH LOGIN, 250-DELIVERBY, 250 HELP
INFO => Sending: MAIL FROM:
SUCCESS => Received: 250 2.1.0 ... Sender ok
INFO => Sending: RCPT TO:
WARNING => The recipient was rejected by the mail server, error
follows:
WARNING => Received: 554 5.7.1 user@domain.com... User unknown
ERROR => Exiting. No recipients were accepted for delivery by the
mail server.
```

- **RBL Testing**

- Tools ⇨ **Test RBL's**

- Unless otherwise specified only the active RBL servers will be tested during a RBL test.

- ```
*****
Test RBL
Mon Aug 18 12:57:02 SAST 2008
*****

Testing IP: 196.25.157.251

Testing Active RBL's
~~~~~
RBL Server      Status  Score  Time
-----
bl.spamcop.net  OK      n/a    0.305
zen.spamhaus.org OK      n/a    0.21
TOTAL SCORE
TOTAL TIME*                0.515
```

- **Other minor updates and fixes**