

Mailing Lists

Mailing Lists

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PERL Scripts For:
Web Based Mailing Lists, Newsletters, & Administration
Email Based Mailing Lists, Newsletters, & Administration
Public & Private Lists
Automatic Archives – View as Text or HTML
Opt In & Opt Out
Ban or Blacklist an Address
Member Moderation
Pacing by Member/Site
National Language Selection by List

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Mailing Lists

Introduction

Mailing Lists contains five PERL CGI script libraries as well as other modules that provide web or email based mailing lists and newsletter support for your site. Functions provided include:

- Web Based Mailing Lists, Newsletters, & Administration
- Email Based Mailing Lists, Newsletters, & Administration
- Public & Private Lists
- Membership List Restricted to Administrator
- Automatic Archives – View as Text or HTML
- Email an Archive Option
- View or Download an Archive Attachment
- Opt In & Opt Out
- Ban or Blacklist an Address
- No Mail Option (Temporarily Away)
- Digest Option
- Member Moderation
- Send Pacing by Member/Site
- Limit message size
- Pacing to avoid going over email limits
- Encrypted membership mailing list

Note: You must have Session Manager 2 installed prior to using Mailing Lists.

Mailing Lists & Newsletters

Mailing Lists, often called forums, are used to communicate between members. Any member can post a message to the list and replies are automatically distributed to all members.

Newsletters are basically one way. You must be a list administrator to send mail to the list and all replies go to the sender (administrator) and are NOT automatically sent to other members.

Membership lists are restricted to list administrators; you must be an administrator to view the membership. Emails are encrypted to protect against hackers.

Public lists appear on the web list selection page.

Private lists must be selected by name; you must know the list name before you can access it.

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Anti-SPAM

To help prevent SPAM and comply with anti-SPAM suggestions, each email includes an **optout** option appended at the bottom. Additional information is also included in the email header that identifies details about the list:

```
List-Id: <${list{'Name'}}.$config{'listhost'}>
List-Unsubscribe: <${config{'home'}}/mailing_lists.shtml?list=${list{'Name'}}>,
                  <mailto:${list{'Name'}}-request@${config{'listhost'}}?subject=unsubscribe>
List-Archive: <${config{'home'}}/mailing_lists.shtml?list=${list{'Name'}}>
List-Post: <mailto:$ListEmail>
List-Owner: <mailto:${config{'admin_address'}}>
List-Help: <${list{'Name'}}-request@${config{'listhost'}}?subject=help>
List-Subscribe: <${config{'home'}}/mailing_lists.shtml?list=${list{'Name'}}>,
                mailto:${list{'Name'}}-request@${config{'listhost'}}?subject=subscribe
```

`${list{'Name'}}` will contain the name of the current list. **`$config`** values are defined in `global.ini` or `maillist.ini`.

New members are optionally automatically moderated. An administrator can remove moderation after their first post is verified as acceptable.

META REFRESH tags are replaced to help prevent possible redirection to another site.

Image sources located at another site are redirected to a safe local image to help prevent identification of member computers.

Mail Pacing

Two types of mail pacing are included. Most hosts limit the number of emails you can send per hour. When the rate of emails nears the limit you set, new postings will be delayed until the rate reduces. This function is handled automatically by a cron function that runs periodically. All emails are queued and a threshold is defined for the maximum allowed in a one hour period. When that threshold is reached, additional emails are suspended until the next allocation period.

To help prevent “flaming”, SPAM, and other repeat postings, individual pacing prevents postings at a rate greater than the value you set. For example, if you set a re-post rate of 10 minutes then if someone attempts to send more than one post in that period it will be rejected. A list administrator can temporarily override this limit and a site administrator is not subject to the “flame” limit.

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Ban & Blacklist

If a member is causing a problem or abusing your email system, there are two levels of control provided. Setting a members BAN option prevents any access to that specific mailing list. Adding their email address to the Blacklist prevents access to ALL lists.

A member that is banned or on the blacklist cannot send or receive emails. However, they can still access the archives.

You can also use wildcards in a blacklist definition:

```
~badurl.  
*@badurl.com
```

A tilde (~) will look for the string anywhere in the email address while an asterisk (*) will test the end of the address for a match. You can also define Blacklist overrides in the Whitelist. For example, if your Blacklist contains *@badlurl.com all addresses ending with @ badlurl.com will be rejected. If you add okname@badlurl.com to your Whitelist it will override the Blacklist entry and will be accepted.

Archives

All postings are automatically saved in an archive that can be accessed via the web. The archive visitor can choose to view each post in either plain text or as HTML. Attachments are automatically listed and can be viewed or downloaded. The visitor can also choose to email the posting to their address.

The email address of the originator of the posting is not included in the archive. Their name is used instead to help prevent SPAM email mining.

Digests

Members can optionally choose to receive a digest of recent posts in addition to or in place of posts as they occur. As posts are archived, an index is maintained and then sent to members choosing digests about once every 24 hours. The digest will contain links to recent posts in the archives. After following the link, the member can optionally choose to email the post to their (or another) address.

Used in combination with the (no)mail option, digest gives members the capability of receiving posts in the manner they want.

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Web Based Lists

By default, a list of public mailing lists is presented to allow a visitor to select what they want to do. For example:

Automail

Test Mailing List. You can use this list to try out the various mailing options without disturbing other members. Please LEAVE the list when you finish testing. Otherwise, you may receive unwanted test emails.

[JOIN](#)[LEAVE](#)[MY OPTIONS](#)[ARCHIVES](#)[SEND MAIL](#)

To post a message, send mail to automail@yoursite.com or click on SEND MAIL above to post a message online. You can also [SUBSCRIBE] or [LEAVE] this list by sending an email to Automail-request@yoursite.com with your request in the Subject line. To set or change your [NAME] use NAME=YOUR-NAME as the Subject. Where YOUR-NAME is the name you would like to use. To receive a [HELP] message use HELP as the Subject.

JOIN and LEAVE

These options prompt for an email address and an anti-SPAM code. When accepted, an optional email is sent to the users address with a link asking for confirmation. When the link is followed, the request is completed. If not completed within about 24 hours, the session will be reset and the request must be done again from the beginning.

You can also optionally allow join without confirm and automatically place the new member on moderation.

MY OPTIONS

This option allows the member to change or set their name as well as set or reset their no-mail, digest, and hide options.

ARCHIVES

This option presents a list of the archives collected for the selected list. The archive can then be viewed as plain text or as HTML. It can also be emailed. Any attachments can also be viewed or downloaded.

SEND EMAIL

To protect against masquerading, this option will only appear after the visitor is logged in. A form is presented to request a subject and a message for posting to the list. Web postings can be in plain text or HTML markup can be used. Attachments are also not allowed.

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Mail is sent using the mime multipart format. The post is sent as entered in an HTML part and then all HTML markups are removed and the post is sent in a plain text part. **Note:** some markup that is considered unsafe, such as meta refresh, may be removed from the HTML part.

Email Based Lists

Email based lists are implemented by defining email forwards to a pipe program. This would probably look similar to:

```
/mysite/cgi_lib/automail.cgi
```

You should define two forwards for each list:

```
listname@yoursite.com  
listname-request@yoursite.com
```

All forwards should point to automail.cgi. The first is to handle posts and replies to the list. The second is to process email based administration requests. You should also define a global forward to handle bounced or returned mail:

```
automail-bounce@yoursite.com
```

It is important to keep “-request” and “-bounce” as part of the address; automail.cgi looks for these strings to determine how to process the email.

Requests

Requests are contained in the subject line of an email to listname-request@yoursite.com.

```
JOIN or SUBSCRIBE - become a member of the mailing list  
LEAVE - leave the list.  
DIGEST - send a digest of posts about once a day.  
NODIGEST - do not send digests.  
HIDE - do not use your email address to identify your posts.  
UNHIDE - use your name and email address to identify your posts.  
MAIL - send posts as they happen.  
NOMAIL - do not send posts as they happen.  
NAME=YOUR NAME - change or set your name. Where YOUR-NAME is the  
name you would like to use.  
HELP - receive this help message.  
HELP ADMIN - additional help for list administrators.
```

Administrator Requests

These requests are identified by ADMIN PASSWORD in the subject line. PASSWORD is the list’s administrator password. One or more requests are then placed in the body of the email – one request per line.

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ADD or SUBSCRIBE followed by the email address and user name
Separated by a comma
BAN followed by the email address to be banned
BLACKLIST followed by the email address to be banned from all activity
BLIST receive a list of the current blacklist membership
FORUM change list type to forum (mailing list)
HIDE followed by the email address to hide when posting
MEMBERS or LIST receive a list of the current membership
NEWS or NEWSLETTER change list type to newsletter
PACE current message pacing statistics
PRIVATE change list to private.
PUBLIC change list to public.
QUIET do not send hold for moderation email
REMOVE or UNSUBSCRIBE followed by the email address to be removed
MODERATE followed by the email address to be moderated
MODERATE ALL moderate all members
UNBAN followed by the email address to be Unbanned
UNHIDE followed by the email address to UNhide
UNMODERATE followed by the email address to be UNmoderated
UNMODERATE ALL unmoderate all members
UNPACE Turn pacing off for last poster
UNQUIET send hold for moderation email
WHITELIST followed by the email address to be white listed
WLIST receive a list of the current white list membership

Archive Request

You can forward a message to be added to the archives by changing the subject line to ARCHIVE PASSWORD. Where, PASSWORD is the list administrator's password. The first date, from, and subject found in the body of the forwarded message will be used as the archive's definition.

Addcontact Request

You can forward a message and add all of its email addresses to the membership list by changing the subject line to ADDTO PASSWORD or ADDCONTACT PASSWORD. Where, PASSWORD is the list administrator's password. The first plain text section is scanned for **from**, **to**, and **cc** email addresses. If the address is not already a member of the list, it is added.

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Directory Structure

The following directory structure is suggested:

```
/(root)
/cgi_lib (PERL library scripts)
  automail.lib
  automaillist.cgi
  cron.cgi
  webmail.lib
  maillist.ini
  maillist.lib
  mimemail.lib
  global.ini (global information about your site)
  global.dat (Global information about your host)
  sessions2.lib
  mailtext.english.dat
/public_html (web site files)
  /cgi-bin (PERL scripts executable from web pages)
    global.ini (global information about your site)
    webmail.cgi
  mailing-list.shtml – web page
  Mailing_Lists.pdf – online admin documentation
```

mailing-list.shtml

First, you need a web page that kicks everything off. This should normally be a **shtml** type. Otherwise, some hosts may not recognize that you are using a PERL script.

```
<html><head>
<title>Web Based Mailing Lists</title>
</head><body>
<!--#exec cgi="/cgi-bin/webmail.cgi"-->
</body></html>
```

global.ini

Refer to the Session Manager documentation for a description of global.ini. This is normally in your **cgi-bin** directory but a copy is also needed in **cgi_lib** if you plan to use email based lists or administration.

mailinglist.ini

This contains common configuration information for the mailing lists:

```
Sub mailconfig {
$config{'antispam'} = 'yes';
```

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```
#You probably want to initially use 'OPEN' until you have your users registered.
#Setting the value to 'CLOSED' prevents any new registrations.
$config{'closed'} = 'OPEN'; # or 'CLOSED'

# If set to YES users must confirm their registration by clicking on an email link
# otherwise access is prohibited. If you do not require confirmed registrations for this
# page, set it to NO. confirm & closed are for site registration – not mailing lists
$config{'confirm'}='YES'; #or 'NO'

# These optional values should be set if you have a user agreement and privacy statement
# you want a new user to agree to prior to allowing their registration
$config{'agree'}='agree.html';
$config{'priv'}='privacy.html';

$config{'antispam'} = 'yes';
$config{'maillists'} = 'maillists'; # where everything is stored

# This is the host name used to identify your lists
$config{'listhost'} = 'mysite.com';
$config{'htmlpage'} = "$config{'home'}/mailing_lists.shtml";

# number of minutes required between posts by the same member
# set to 0 for none
$config{'repost'} = 10;

$config{'mlmax'} = 25; # max number of members to list per page (0 = no limit)
$config{'almax'} = 25; # max number of archives to list per page (0 = no limit)
$config{'newmoderate'} = 'yes'; # automatically moderate new members
$config{'newconfirm'} = 'no'; # require email confirmation for new members
$config{'newdigest'} = 'no';
# For online documentation, place the pdf in your public_html dir and name it here
# comment out or leave null to disable
$config{'scrubimage'} = "images/irep.jpg";
$config{'autoscrub'} = 'yes';
$config{'adminguide'} = 'Mailing_Lists.pdf';

# You may need a stylesheet to restore formatting after displaying an archive in HTML
$config{'stylesheet'} = "<!--mstheme-->
<link rel=\"stylesheet\" type=\"text/css\" href=\"_themes/loxgroves/loxg1011.css\">
<meta name=\"Microsoft Theme\" content=\"loxgroves 1011, default\">";

$config{'optsig'} = '__optout__';
}
1; # <== required by PERL
```

webmail.lib

This library contains all of the functions needed for web page based mailing lists.

automail.lib

This library contains all of the functions needed for email based mailing lists.

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maillist.lib

This library contains common mailing list functions.

mimemail.lib

This library contains common multipart MIME functions to define plain text, html, and attachment parts.

cron.cgi

This executable function should be located in the **cgi_lib** directory. It should also be setup as a timed cron system function that runs periodically about once every 30 minutes. This function manages the outbound mail queue and ensures the rate remains below your email hourly quota. This function is also invoked every time a new list post is processed.

mailtext.english.dat

This is a national language string definition for English. This function is incomplete and currently only available for English. Refer to the National Languages section at the end of this document for more information

webmail.cgi and automail.cgi

Note: If you are using a LINUX based host be certain to upload all of your cgi scripts with LINUX line endings (ASCII mode) and execute permissions (755). Otherwise, they may not execute.

Automail.cgi is similar to webmail.cgi but should be located in the **cgi_lib** directory. Below is a sample script that ties it all together:

```
#!/usr/bin/perl
use strict;
use attributes;
use Email::Valid;      # needed to validate email addresses
use MIME::Base64;     # needed to decode attachments for display/download

# globals needed by Session Manager
our (%config,%form,$action);
our (@ta,$ptime,$lt,$SessionID,%session,%user,@SessionStack,$SessionIndex);
# globals needed by mailing lists
our ($mldir,%list,%member);
require "global.ini";      # <== global site configuration
&global;
require "$config{'cgilib'}maillist.ini"; # <== mailing list configuration
&mailconfig;

require "$config{'cgilib'}webmail.lib"; # <== web based mail
&webmailmain;
```

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```
Or  
require "$config{'cgilib'}automail.lib"; # <== email based mail  
&automailmain;
```

Creating a List

Before you can create a list, you must establish a website administrator account. After that, you can create a list and define its membership.

If you want to enable posting via email, you must define a pipe with the list name. To enable email administration of a list, define a pipe using the list name concatenated with “-request”. See below for more information.

Website Administrator

Start your mailing list web page and click [LOGIN] near the bottom. If you installed the “sysop” profile, you can logon using “**password**” as your default password.

Note: you should either delete the sysop account or change the password. Otherwise, your site could be open to abuse.

Once you are successfully logged in, you can change your password, email address, and other details by clicking [CHANGE REGISTRATION].

If you want to register a new administrator account, click [LOGIN] and then [REGISTER]. When you complete the registration details, you will probably need to follow a link that was mailed to you to “confirm” the account.

In order to enable the new account, or any other account, as an administrator you must edit the profile. By default, profiles are located in the /sessions/**profiles** directory. Look under the [**registration**] section and find or add **admin=all**.

```
[registration]  
admin=all
```

“all” enables the account as an administrator for all website functions including all lists. If you want to enable administration for only one account, change “all” to the list name. i.e.

```
[registration]  
admin=list_name
```

You can enable more than one list by adding their names to the admin= token:

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```
[registration]
admin=list_name1 list_name2
```

Start a New List

If no lists have been defined, you must login to an administrator account with ALL authority and then you will be able to start your first list.

To start a new list, login to an administrator account (sysop), click the [ADMIN] button next to any list's options and then select [NEWLIST]. **Note:** Options you set here can be changed later by using the [Edit List](#) function.

Start a New Mailing List

List Name:

Priority:

Public/Private:

List Type:

Post by:

Moderate All:

Quiet Moderation:

Allow New Members:

Confirm New Members:

Moderate New Members:

New Members Get Mail:

New Members Get Digests:

Language:

Max Message Size (KB): Leave blank for no limit

Over Max Reject?:

Over Max Image Delete?:

Over Max Attach Delete?:

Password:

Repeat Password:

Link To:

Short Description:

Enter the new list's **name**. This name will be used as the email account user ID as well as to identify all mailings in the subject line. Do not use spaces or other special characters that could be a problem as an email address.

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Enter a numeric list sort **priority**. This determines the order the list will be presented for selection. List names are grouped by priority and sorted alphabetically.

Select whether the list is **public or private**. Public lists appear for selection on the List Selection page. Private lists do not appear and must be selected by entering the name in the PRIVATE LIST box.

Select the list type. Any member can post or reply to a **List** but only a list administrator can post to a **Newsletter**.

If you want to allow anyone, including non members, to post to this list set **Post By** to **Any**. Otherwise, use the default **Members Only**. **Warning:** if you allow anyone to post to the list, it could be susceptible to SPAM.

Use **Moderate All** to moderate all messages sent to the list with the exception of administrator posts. This setting can be used to place the list on “emergency moderation” and later remove it. This setting does not change individual moderation.

Setting **Quiet Moderation** to YES will suppress the hold for moderation email sent when a user’s post is waiting for moderator action.

Setting **Allow New Members** to NO prevents new membership applications. However, an administrator can still add members.

Setting **Confirm New Members** to yes will send a confirmation email to new members along with a link that must be followed to activate the membership. If no is selected, the new membership will be activated immediately without confirmation.

Setting **Moderate New Members** to yes will place new members on moderation – their posts must be approved by a list administrator before they are distributed to the list. After you confirm a member’s posts are acceptable, you can turn moderation off by using the [Membership List](#) settings.

If **New Members Get Mail** is no, posts are not sent to new members as they occur. If you select no here, you should set ...Digests to yes.

Setting **New Members Get Digests** to yes will send an index of links to recent posts about every 24 hours to new members.

National languages are partially supported. Currently, the only **language** available is English.

Max Message Size can be used to reduce the volume of email sent to list members. If defined and a post’s size exceeds this value, it will not be sent. Instead, it will be archived and a post similar to a digest will be sent. The member can then follow the link

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to the archive entry and read the entire post. Optionally, the post can be emailed to an individual's address from the archive.

Set **Over Max Reject** to yes to reject oversize messages instead of archiving them.

Set **Over Max Image Delete** to yes to remove image attachments that would otherwise cause a post to be oversize.

Set **Over Max Attach Delete** to yes to remove non-image attachments that would otherwise cause a post to be oversize.

Select and re-enter a list administrator **password**. This password is used for email administration and is not the same as your user password. Anyone with this password can request admin functions via email. To disable email administration, leave the password blank.

You can also **link** new members to another list by entering its name as the link. Any new member will also be added to the linked list's membership automatically. The reverse action is not true unless you add a link at that list also.

Enter a short **description** of your new list. This description will be displayed along with the list name.

Click [START LIST] and your list will be created and your email address will be added to the membership list along with ADMIN privileges.

Define the Members

Once you have defined a list, go to the List Select page and select the lists [ADMIN] option. From the main Administration page, you can get a list of current members or add new ones. Click on [ADD MEMBERS] and you will be presented with a text area box where you can list the new member's email addresses – one per line. Optionally, add the member's name after the email address separated by a comma.

You can verify the member list by selecting [MEMBERSHIP LIST] from the main Administration page.

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Define the Pipes

Members can use your new list immediately using the web page. To enable email posts and email administration, you must define two pipes (forwards) to **automailist.cgi**. Its default location is in `cgi_lib` so the pipe would be similar to:

```
|/yoursite/cgi_lib/automailist.cgi
```

Make certain the cgi has **execute** permissions (755) or it may fail. Email posts and replies will be sent to:

```
listname@yoursite.com.
```

Requests will be emailed to:

```
listname-request@yoursite.com
```

Bounce Pipe

You should also define a pipe to capture invalid email addresses and other network errors:

```
automail-bounce@yoursite.com
```

Cron Pipe

You must also define a pipe to handle the actual sending of email. This should point to **/yoursite/cgi_lib/cron.cgi**

```
cron@yoursite.com
```

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Other Admin Functions

Clicking [ADMIN] on the list selection page will take you to the main administrator page:

Membership

[MEMBERSHIP LIST] Manage list membership options - moderate, remove, ban, etc.

[ADD MEMBERS] Add one or more members to the list.

[BAD EMAIL] Remove invalid email address from all lists.

[BOUNCES] View bounced email archives (n)

[MODERATE] (n) Posts are pending moderation

Message Pacing

[PACE STATS] Current Pacing Stats.

[OVERRIDE REPOST] Reset pacing repost for last member - allow an immediate new posting

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[VIEW MAIL LOG] View Mail Log

[ERASE MAIL LOG] Erase Mail Log

[SEND DIGESTS] Send digest of recent posts.

[EDIT LIST] Edit list definitions - password, description, etc.

[NEW LIST] Create a new list.

[REMOVE LIST] Remove this list. **Use with caution.**

SMTP

[VIEW LOG] View SMTP Log

[VIEW ERROR LOG] View SMTP Error Log - invalid email addresses

[ERASE LOG] Erase SMTP Log

[TEST] Send a debug test message

Membership

[MEMBERSHIP LIST] allows you to view and change individual membership settings.

Public List Automail Administration

2 Members

Email	Name	BAN	Moderate	No Mail	Digest	Admin	Post	Hide	Imax	Remove	Blacklist
don@loxgroves.net	Don Williams	OK	---	MAIL	NO	ADMIN	---	Show Email	0	Remove	Black List
sysop@loxgroves.net	Don Williams - Webmaster	OK	---	NOMAIL	DIGEST	---	---	Show Email	0	Remove	Black List

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You cannot change an email address – you must remove it and then add a new member with the correct address. Clicking on any of the other options will set or reset the selected parameter.

BAN – Prevents the member from sending or receiving emails from this list only.

MODERATE – Places the member on moderation. Any posts must be approved by a list administrator prior to distribution.

NO MAIL – The member remains on the list and can make postings but will not receive any mail from the list. This is useful if the member is on vacation or otherwise not available for some time.

DIGEST – A digest of recent posts will be sent to the member about once every 24 hours.

ADMIN – Indicates this member is a list administrator.

POST – Indicates this member can post to a newsletter.

IMAX – Maximum image size allowed for this member. 0 = no limit.

HIDE – Hides the members email address and replaces it with the no response address. Their name will continue to be used to identify their posts.

REMOVE – Permanently removes the member from this list but they *can re-join*.

BLACKLIST – Removes the member from the list and places their address on the “Black List”. They will not be allowed to join, post, or receive mail from any list. However, they can still visit the archives.

[ADD MEMBERS] presents a text area to allow you to enter new members email addresses and names separated by a comma – one per line. For example:

me@here.com,My Name him@there.org,His Name her@theirplace.net,Mrs. Given N. Family
--

If the address is not already on the list, it will be added.

[BAD EMAIL] will prompt for an email address and then remove that address from all lists. This is normally used to handle invalid email bounces but can also be used to globally remove an address for other reasons.

[BOUNCES] displays an archive of bounced or returned emails. You can inspect the content to determine invalid or otherwise undeliverable addresses and then use **[BAD EMAIL]** to remove them from all lists. You can optionally delete the archive after viewing. This option only appears when the archive has content – (n) is the number of entries in the archive.

[MODERATE] displays messages waiting for administrator (moderator) action. You can **[APPROVE]** the post and it will be forwarded to the list or you can **[REJECT]** it and send it to a reject area. This option only appears when the archive has content – (n) is the number of entries in the archive.

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Message Pacing

[**PACING STATS**] displays the current pacing statistics as well as the email address of the last poster and the elapsed time since the posting.

[**OVERRIDE REPOST**] allows the last posting email address to be used again without waiting for the repost pace period to expire. This is normally used by a list administrator when it is necessary to post multiple messages to the same or a different list.

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[**VIEW MAIL LOG**] Displays a trace of all email piped to automail. This is useful to help find processing errors.

[**ERASE MAIL LOG**] Erases the mail log.

[[NEW LIST](#)] was described earlier. [**EDIT LIST**] uses a similar page that allows you to change any of your list's parameters except its name.

[**REMOVE LIST**] permanently removes the list.

<i>Use with caution</i> since you will need to redefine everything if you remove a list in error.

SMTP

[**VIEW LOG**] If `$config{'smtplogall'}` is set to 'yes', this displays the complete SMTP message log – OK as well as ERROR. If 'smtplogall' is not set to 'yes', this functions the same as [**VIEW ERROR LOG**]

[**VIEW ERROR LOG**] Displays the SMTP log's error messages. This would normally be invalid or otherwise failing addresses. You can use the Membership [**BAD EMAIL**] option to remove them from all lists.

[**ERASE LOG**] clears the current SMTP log.

[**TEST**] This is used to verify your SMTP interface functions properly. It will send a test message to the site administrator and display a trace of responses at each step..

Mailing Lists

List Hash

`$list{'AllowNew'}` = Allow new members? - yes or no
`$list{'Archive'}` = Where archives are stored i.e. archive/Automail.archive
`$list{'nobatt'}` = Remove oversized attachments - yes or no
`$list{'nobbpx'}` = Remove oversized images - yes or no
`$list{'Desc'}` = Short description
`$list{'Email'}` = List's email address i.e. automail@yoursite.com
`$list{'language'}` = english
`$list{'Link'}` = Linked list name or blank i.e. AnotherList
`$list{'Maxsize'}` = Max message size in KB (1024) or blank
`$list{'MaxReject'}` = yes - Reject oversized images. No - archive them
`$list{'Members'}` = Where member list is stored i.e. Automail.members
`$list{'Moderate'}` = yes or no
`$list{'Name'}` = List name i.e. Automail
`$list{'NewModerate'}` = yes or no
`$list{'NewConfirm'}` = yes or no
`$list{'NewDigest'}` = yes or no
`$list{'NewNomail'}` = yes or no
`$list{'Password'}` = Administrator password
`$list{'Post'}` = Any or Members Only
`$list{'Priority'}` = List selection sort priority.
`$list{'Public'}` = Public or Private
`$list{'Quiet'}` = Moderation notifications - yes or no
`$list{'Type'}` = List or Newsletter

Member Hash

`$member{'admin'}` = ADMIN if list administrator, POST if can post to newsletter
`$member{'ban'}` = BAN if banned from this list
`$member{'digest'}` = DIGEST if digests are to be used
`$member{'email'}` = Email address
`$member{'hide'}` = HIDE if email address is to be hidden
`$member{'imax'}` = Maximum image size permitted.
`$member{'moderate'}` = MODERATE if posts are moderated
`$member{'name'}` = Member name
`$member{'nomail'}` = NOMAIL if not receiving email from this list

Mailing Lists

National Languages

National language support is incomplete and only partially defined for English. When a list is defined or edited, `cgi_lib` is scanned for names in the format:

“`mailto.language.dat`”

Currently, the only language partially defined is English. When more language translations are available, each list can use a unique language.

Each definition file is in plain text. Lines beginning with “`#`” are considered comments and are ignored. Each definition string is in two parts – a key word and its definition separated by square brackets “`[]`”. Each string definition can be multiple lines but must not contain square brackets.

The first definition, `buttons`, is unique and defines the names used on the web page command buttons.

```
buttons[]join=JOIN,leave=LEAVE,send_mail=SEND MAIL,my_options=MY OPTIONS,  
archives=ARCHIVES,admin=ADMIN,select=SELECT LIST,logon=LOGON,logoff=LOGOFF
```

`hoptout[]` Defines the message automatically appended to the bottom of the HTML part of a post. If you need an equal sign or other special character, it must be encoded in hex. I.e. an equal sign becomes “`=3d`”.

`toptout[]` Defines the message automatically appended to the bottom of the plain text part of a post.

`scrub[]` Defines the message automatically appended to the bottom of the HTML part of a post if a remote image reference was replaced with a safe local image.

`help[]` Defines the message sent in response to a help request.

`adminhelp[]` Defines the message sent in response to a help admin request.

`eof[]` **end of file** This should be the last line of the file.