NAME
mailq − zmailer mail queue printer

SYNOPSIS
mailq 
[−4|−6] [−d] [−i] [−M] [−p port_or_socket_path] [−s[s]] [−t] [−u user] [−U user-
name/password] [−v[v]] [−S] [−Q[Q[Q]][Q][Q]][[−Z zenvfile]]] [[−c channel] −h host] [host]

FIXME: Not all options are documented!

DESCRIPTION
The mailq(1zm) queries a running scheduler(8zm) process on a specified host for its current inter-
internal model of the mail transport queues and presents this information to the user. By default, the 
scheduler(8zm) process queried is the one relevant to the local host, i.e. either a local process or a 
scheduler(8zm) on a mail server host. If the optional host argument is specified, the sched-
uler(8zm) running on that host will be queried instead.

If the scheduler(8zm) has used −Q option to shrink the amount of output, the mailq(1zm) must 
also use −Q option to report about the queue status at the server in “queue-summary” format.

The information printed for each queued message is labelled by its message file id, which is the 
name of the original message file in the POSTOFFICE/queue directory and of the message con-
trol file in the POSTOFFICE/transport directory. The information may be different for different 
channel/host combinations in destination addresses in a single message, so the status informa-
tion is grouped in clusters labelled by the channel and host for addresses in the group.

The text associated with a particular deferred destination in a message originates in a transport 
agent. The scheduler annotates the transport agent messages with retry information when an 
address has been scheduled for later delivery attempts, or with text stating why a retry that 
should have happened was delayed. A lack of annotations indicates a delivery attempt is in 
progress.

OPTIONS
The normal action is to print the transport queue.

−c channel −h host
in MAILQv2 mode (see scheduler(8zm)) query details about only those messages destined 
at given channel and host.

The default for channel is "smtp".

−d This prints the information received from the scheduler as is. This will override the ver-
bose option. This is debugging mode.

−i prints a verbose transport queue output (see the −v flag) for your own messages only.

−M Attached to an MTA instance wide shared memory segment, and dumpts its content (var-ious counters and gauges).
This works only local in the system, unlike MAILQ-v2 queries!

Listed variables are described at: mailq-m(5zm).

−p port
specifies an alternate TCP/IP port to connect to a scheduler(8zm) at.

−Q Shows full thread-wise status of scheduler’s internal state.

−QQ Produces abbreviated summary of scheduler’s internal state.
−QQQ
  Shows only scheduler’s summary statistics lines.

−QQQQ
  Shows same dump as "mailq -M" produces, but can do it over the network.
  Listed variables are described at: mailq-m(5zm).

−s
  asks for a status of the router(8zm), scheduler(8zm), and transport queues.
  The first two are determined by scanning the appropriate directories and counting files,
  whereas the status of the transport queue is retrieved from the running scheduler(8zm) process.
  Doubling this option will cause mailq(1zm) to exit after printing this summary.

−S
  shows summary of files queued to the channel/destination. Listed info tells the number of
  files, and if available, also total- and mean-size of those files.

−t
  disables any previous verbose flags to produce the normal terse output.

−u user
  selects messages sent by the specified user id.
  This option is usually only useful to the Postmaster on the system.

−U username/password
  Defines username/password pair for MAILQ-V2 mode connection, in case the default
  "nobody"/"nobody" is not proper.
  Do note: The "/" separates fields!

−v[v]
  will produce verbose transport queue output in that message id’s, and sender and recipient
  addresses, will be listed in addition to the normal status line.
  Doubling this option asks for extra verbose output, presently this adds the message size in
  bytes after the message id. This option is only useful if mailq can read the message con-
  trol files in the postoffice. Most users can only see the data for their own messages.

−Z zenvfile

mailq -Q output codes
Examples of “mailq -Q” output:

    smtp/*.*.com/0
    smtp/aol.com/0 R=1 A=147 P={19598} HA={571}s FA={571}s OF=1 S={STUFF} UF=0 QA=1d18h
    smtp/some.com/0 R=1 A=58 W=1860s QA=11h11m28s
    Threads: 11 Mags: 36 Procs: 23 Idle: 12 Plim:90 Flim: 150 Tlim: 1
    Kids: 414 Idle: 324 Mags: 754 Thrsds: 129 Rcpnts: 943 Uptime: 1d31m22s
    Mags in 5384 out 4630 stored 754 Rcpnts in 441890 out 440917 stored 971

The codes mean following:
R= Number of messages on this “channel/host” thread; this does not count individual tar-
  get users separately! (e.g. if there are a dozen recipients at some message, but they are at
  same host, they are counted as one.)
A= Count of Attempts to do delivery at this thread.
P= Process number(s) of the transport agent actively handling this thread. There can be
  multiple processes, and they are listed comma-separated inside the curly brackets. Similarly
  for the rest of the things below.
Delay time until next time the transport-agent may try to send this thread. (Wait)

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W=
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“#Hungry Age(s)” -- time since the scheduler saw last “#hungry” message from the transport agent.

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HA=
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“Feed Age(s)” -- time since the scheduler did last time feed something to the transport agent(s).

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FA=
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“OverFeed count” -- how many unacknowledged tasks are still in the transport agent(s) for this thread. The “OverFeed” was created to handle sluggish scheduler in hard pressed system to get jobs scheduled around, when the transport agents were in practice running dry as they did their jobs fast, but the scheduler didn’t get around to feed them... Thus the way for the scheduler to “overfeed” as many of the jobs in active thread to the transport agent as possible, and then just wait them to complete, and be acknowledged. With this a lot more gets done even with a sluggish scheduler.

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OF=
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Feed-State of TA-process(es) doing actual job. The scheme goes like following:

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S= Feed-State of TA-process(es) doing actual job. The scheme goes like following:
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LARVA
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AUTHOR
This program authored and copyright by:
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