NAME

sma – Sendmail Log Analyser

SYNOPSIS

sma [**OPTIONS**] [*file ...*]

DESCRIPTION

The **sma** utility analyses sendmail log entries and produces a summary of mail activity. **sma** reads the input from *file* or from standard input and writes the report to standard output or file.

sma can be configured using command line options or configuration file, or both. Command line options always override the configuration file.

The available command line options are as follows:

–a Format the report as ASCII.

–b *color*
Set the background color of the HTML report as *color.*

–C *string*
Set report header as *string.*

–D *date1,date2*
Process log entry only if the date is between *date1* and *date2.* The format of the date is as follows: [[[[[[*cc*]*yy*]*mm*]*dd*]*HH*]*MM*[*.SS*]] where

yy	Year in abbreviated form (for years 1969-2068). The format *ccyymmddHHMM* is also permitted, for non-ambiguous years.
mm	Numeric month, a number from 1 to 12.
dd	Day, a number from 1 to 31.
HH	Hour, a number from 0 to 23.
MM	Minute, a number from 0 to 59.
SS	Second, a number from 0 to 61 (59 plus a maximum of two leap seconds).

Everything but the minute is optional. The dates must be separated using a colon, without any whitespace characters. If either of the dates is missing, current date is used.

–c Print the copyright notice and exit.

–d Process only the domain portion of email address.

–f *file*
Read the configuration from *file* instead of the default configuration file. The default configuration file is defined in conf.h.

–F Do not use default configuration file even if it exists.

–H *name*
Use *name* as hostname.

–L *string*
Process only lines with syslog tag *string*

–h Print help message and exit.

-i Include the ASCII report as HTML comment (requires -w or -O html).

-n Do not report the time distribution.

-o *file*
Print the report as *file.* If not given, print to stdout.

-O *format*
Format the report as *format.* Possible values for *format* are ascii, html and clog.

-p Print current configuration to stdout.

-s Sort by transfers. Default is by number of messages.

-t *value*
Adjust the internal hash table size. Possible values for *value* are normal, big and huge.

-q Do not print any warning messages.

-l *num*
Number of the top senders and recipients in the report. Default is 10.

-r *num*
Number of the top relay senders and recipients in the report. Default is 5.

-v Print some debugging information for each parsed line.

-w Format the report as HTML.

KEYWORDS

sma configuration file consists of keyword-value pairs. Available configuration file keywords and values are listed below.

BgColor *RGB*
Set HTML report background color as *RGB.* Command line option: **-b**

BounceAddress *string*
Set error message bounce address as *string.*

CaseSensitive *value*
Set filter case sensitivity. Possible values are *yes* or *no.* This options requires **USE_REGEXP** compile time definition.

ClogFormat *string*
Formatting string for Custom Log format. *format* consists of ordinary characters and various two-character sequencies which are replaced with built-in variables as follows:

%U time in UNIX time format

%D time in form "Wed Jun 30 21:49:08 1993"

%y year, four digits

%m month, in digits

%M month, three letter English

%n minute

%s second

%d day

%h hour

%H hostname

%z size in bytes

%f envelope sender

%t envelope recipient

%F relay sender

%T relay recipient

%S status (1 = sent, 0 = error)

%% %-character

\n newline

\t tab stop

**** single backslash

ClogSentOnly *value*
If *value* is set as *yes* , print only sent messages (status = 1).

Comment *string*
Set report header as *string.* Command line option: **-C**

Debug *value*
If *value* is set as *yes* , print debugging information to stderr. Command line option: **-v**

EndTime *date*
Process log entry only if the date is before *date.* The format of the *date* is **YYYY/MM/DD-HH:MM:SS.** Command line option: **-D**

EnvelopePairs *number*
Set the number of the top envelope pairs as *number.*

EnvelopeRecipientFilter *string*
Set envelope recipient filter as *string.* If **sma** is compiled with **USE_REGEXP** , *string* can be regular expression of syntax defined in re_format(7). Otherwise the standard C library function strstr() is used. If the first character of *string* is '!', filter is reversed.

EnvelopeRecipients *number*
Set the number of the top envelope recipients as *number.* Command line option: **-l**

EnvelopeSenderFilter *string*
Set envelope sender filter as *string.* See also **EnvelopeRecipientFilter** keyword.

EnvelopeSenders *number*
Set the number of the top envelope senders as *number.* Command line option: **-l**

FooterText *string*
Set report footer as *string.*

Format *string*
Set the output format as *string.* Possible values are *ascii* , *html* and *clog.* Command line

options: **−a** , **−w** and **−O**

HashTables *string*
Adjust the internal hash table size. Possible values are *normal* , *big* and *huge.* It is also possible to specify a custom hash table size by defining two values and separating them with a comma ','. Command line option: **−t**

HeaderText *string*
Set report header as *string.*

HostName *string*
Set the hostname as *string.* Normally, HostName is taken from log files, or, in case of Sendmail for NT, from the compile time define HOSTNAME. Command line option: **−H**

IncludeAscii *value*
Include the ASCII report as HTML comment. Possible values are *yes* or *no.* Command line option: **−i**

OutFile *file*
Print the report as *file.* Command line option: **−o**

PictureALT *string*
If **PictureURL** is defined, set ALT text inside the IMG HTML-tag as *string.*

PictureLink *string*
If **PictureURL** is defined, make the picture as link pointing to *string.*

PictureParameters *string*
If **PictureURL** is defined, set additional IMG parameters as *string.*

PictureURL *URL*
Include a picture with source URL as *URL* in HTML report. The picture appears in a upper left corner of the page. See also **PictureParameters** , **PictureALT** and **PictureLink** keywords.

PrintGeneralInfo *value*
Print the General Information section in report. Possible values are *yes* or *no.*

PrintStatus *number*
Set the number of the top status messages as *number.*

PrintRule *number*
Set the number of the top ruleset rejections as *number.*

PrintTime *value*
Print the Time Distribution section in report. Possible values are *yes* or *no.* Command line option: **−n**

RelayPairs *number*
Set the number of the top relay address pairs as *number.*

RelayRecipientFilter *string*
Set relay recipient filter as *string.* See also **EnvelopeRecipientFilter** keyword.

RelayRecipients *number*
Set the number of the top relay recipients as *number.* Command line option: **−r**

RelaySenderFilter *string*

Set relay sender filter as *string.* See also **EnvelopeRecipientFilter** keyword.

RelaySenders *number*
: Set the number of the top relay senders as *number.* Command line option: **−r**

ShowUsers *value*
: If *value* is set as *no* , process only the domain portion of the email address. Command line option: **−d**

Silent *value*
: If *value* is set as *yes* , do not print error messages. Command line option: **−q**

Sorting *value*
: Set the sort order as *value.* Possible values are *number* or *transfer.* Command line option: **−s**

SyslogTag *string*
: Process only lines with syslog tag *string.* Command line option: **−L**

StartTime *date*
: Process log entry only if the date is after *date.* The format of the *date* is **YYYY/MM/DD−HH:MM:SS.** Command line option: **−D**

TbColor *RGB*
: Set HTML report table corner color as *RGB.*

FILES

sma can as an option use a configuration file. It's default location can be configured using a compile time define **DEFAULT_CONF** in file conf.h. By default, it is defined as **./sma.conf**

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BUGS

sma takes the year from runtime year. It knows nothing about the new year transitions in log files.

The documentation contains a lot of bad english.