

NAME

chgmsg - modify SPCS output messages

SYNOPSIS

chgmsg [-sn] [-D] [-dn] [-cn] [-N] [-oname] [-fx,y,z] [-bx,y]
name

DESCRIPTION

Chgmsg is a utility to modify SPCS output messages. It's features provide the ability to:

1. blank out n characters at the beginning of the original SPCS output message, where n is a number between 1 and 6 which specifies the "sort code" offset relative to the start of the original SPCS output message. The characters to be blanked out normally contain the "alarm class" and "time past hour" fields.
2. use the system date and time as the starting information to be placed in the message header for the first SPCS output message. The date and time elements for the message header of subsequent messages are incremented as necessary to simulate messages arriving in chronological order. The date and time elements are incremented as follows:

SECONDS	Current value plus 30 seconds.
MINUTES	Current value plus 5 minutes.
HOURS	Current value plus 1 hour.
DAYS	Current value plus 1 day.
MONTHS	Current value plus 1 month.
3. use the specified starting date and time, n, as the starting information for the message header of the first SPCS output message. The date and time elements for the message header of subsequent messages are incremented as described above in item 2. The permissible values of n range from 0101000000 to 1231235959.
4. change the channel ID element of the message header for all messages to n, where n is a number between 0 and 99.
5. change the message header delimiter for all messages to 0212.
6. redirect the modified messages to a specified output file.
7. change the contents of a specified field to a new value. If the length of the new field value is greater than the length of the old field value, then the new field value is

truncated to the length of the old field and copied to the message. When this happens, an appropriate error diagnostic is generated.

8. change all bytes having the value x to the new value y.

Normal output from chgmsg consists of a summary report on the standard error output device (file desc. 2) and a listing of all modified messages on the standard output device (file desc. 1); however, if the -o control option has been activated, then a listing of all modified messages is sent to the specified output file. The summary report indicates how many messages have been processed and prints a count of the number of times each requested control option (discussed below) has been invoked.

Chgmsg accepts a number of control options that specify how the messages are to be changed. A description of each control option follows:

- sn blanks out the "alarm class" and "time past hour" fields in the SPCS output message, where n specifies the "sort code" offset relative to the start of the original SPCS output message.
- D uses the system date and time as the starting information for the message header of the first message.
- dn uses the specified starting date and time for the message header of the first message, where the range of values for n is 0101000000 to 1231235959.
- cn uses the specified channel ID for all messages, where the range of values for n is 00 to 99.
- N changes the message header delimiter for all messages to 0212.
- oname redirects all modified messages to the specified output file, name. Please note that the summary report is not redirected.
- fx,y,z changes the specified field to the specified value, where x identifies the line (0 to GM_MAX_LNS), y identifies the field to be changed, and z specifies the new value for the field. The value GM_MAX_LNS is defined in the header file, gtmhdr.h.
- bx,y changes all bytes having the specified "old" value, x, to the specified "new" value, y.

FILES**SEE ALSO**

getfld(3L), gtmsg(3L)

DIAGNOSTICS

The following output messages are routed to the user's standard error output device (file descriptor= 2):

INVALID SORT CODE OFFSET. '-s' OPTION SKIPPED.

INVALID OPTION AND DATA FIELD, <opt>.

TIME OUT OF RANGE. '-d' OPTION SKIPPED.

DATE OUT OF RANGE. '-d' OPTION SKIPPED.

INVALID CHANNEL ID. '-c' OPTION SKIPPED.

OPTION <opt> HAS BAD DATA FIELD.

LINE NUMBER GREATER THAN GM_MAX_LNS. '-f' OPTION SKIPPED.

OLD VALUE OUT OF RANGE. '-b' OPTION SKIPPED.

NEW VALUE OUT OF RANGE. '-b' OPTION SKIPPED.

SKIPPING BAD OPTION, <opt>.

SYNTAX ERROR.

FILE <name> NONEXISTENT.

OLD FIELD SMALLER THAN NEW FIELD. NEW FIELD TRUNCATED TO <num>
BYTES.