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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ipcrm.1p' command

\$ man ipcrm.1p

IPCRM(1P) POSIX Programmer's Manual IPCRM(1P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

ipcrm ? remove an XSI message queue, semaphore set, or shared memory segment identifier

SYNOPSIS

ipcrm [-q msgid|-Q msgkey|-s semid|-S semkey|-m shmid|-M shmkey]...

DESCRIPTION

The ipcrm utility shall remove zero or more message queues, semaphore sets, or shared memory segments. The interprocess communication facilities to be removed are specified by the options.

Only a user with appropriate privileges shall be allowed to remove an interprocess communication facility that was not created by or owned by the user invoking ipcrm.

OPTIONS

The ipcrm utility shall conform to the Base Definitions volume of POSIX.1?2017, Section 12.2, Utility Syntax Guidelines.

The following options shall be supported:

-q msgid Remove the message queue identifier msgid from the system and

destroy the message queue and data structure associated with it.

-m shmid Remove the shared memory identifier shmid from the system.

The shared memory segment and data structure associated with it shall be destroyed after the last detach.

-s semid Remove the semaphore identifier semid from the system and destroy the set of semaphores and data structure associated with it.

-Q msgkey Remove the message queue identifier, created with key msgkey, from the system and destroy the message queue and data structure associated with it.

-M shmkey Remove the shared memory identifier, created with key shmkey, from the system. The shared memory segment and data structure associated with it shall be destroyed after the last detach.

-S semkey Remove the semaphore identifier, created with key semkey, from the system and destroy the set of semaphores and data structure associated with it.

OPERANDS

None.

STDIN

Not used.

INPUT FILES

None.

ENVIRONMENT VARIABLES

The following environment variables shall affect the execution of ipcrm:

LANG Provide a default value for the internationalization variables that are unset or null. (See the Base Definitions volume of POSIX.1?2017, Section 8.2, Internationalization Variables for the precedence of internationalization variables used to determine the values of locale categories.)

LC_ALL If set to a non-empty string value, override the values of all the other internationalization variables.

LC_CTYPE Determine the locale for the interpretation of sequences of bytes of text data as characters (for example, single-byte as opposed to multi-byte characters in arguments).

LC_MESSAGES

Determine the locale that should be used to affect the format and contents of diagnostic messages written to standard error.

NLSPATH Determine the location of message catalogs for the processing of LC_MESSAGES.

ASYNCHRONOUS EVENTS

Default.

STDOUT

Not used.

STDERR

The standard error shall be used only for diagnostic messages.

OUTPUT FILES

None.

EXTENDED DESCRIPTION

None.

EXIT STATUS

The following exit values shall be returned:

0 Successful completion.

>0 An error occurred.

CONSEQUENCES OF ERRORS

Default.

The following sections are informative.

APPLICATION USAGE

None.

EXAMPLES

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

ipcs

The Base Definitions volume of POSIX.1-2017, Chapter 8, Environment Variables, Section 12.2, Utility Syntax Guidelines

The System Interfaces volume of POSIX.1-2017, `msgctl()`, `semctl()`, `shmctl()`

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