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Rocky Enterprise Linux 9.2 Manual Pages on command 'IPC::Msg.3perl'

\$ man IPC::Msg.3perl

IPC::Msg(3perl) Perl Programmers Reference Guide IPC::Msg(3perl)

NAME

IPC::Msg - SysV Msg IPC object class

SYNOPSIS

```
use IPC::SysV qw(IPC_PRIVATE S_IRUSR S_IWUSR);  
  
use IPC::Msg;  
  
$msg = IPC::Msg->new(IPC_PRIVATE, S_IRUSR | S_IWUSR);  
  
$msg->snd($msgtype, $msgdata);  
  
$msg->rcv($buf, 256);  
  
$ds = $msg->stat;  
  
$msg->remove;
```

DESCRIPTION

A class providing an object based interface to SysV IPC message queues.

METHODS

`new (KEY , FLAGS)`

Creates a new message queue associated with "KEY". A new queue is created if

? "KEY" is equal to "IPC_PRIVATE"

? "KEY" does not already have a message queue associated with it, and "FLAGS & IPC_CREAT" is true.

On creation of a new message queue "FLAGS" is used to set the permissions. Be careful not to set any flags that the Sys V IPC implementation does not allow: in some systems setting execute bits makes the operations fail.

`id` Returns the system message queue identifier.

`rcv (BUF, LEN [, TYPE [, FLAGS]])`

Read a message from the queue. Returns the type of the message read. See `msgrcv(2)`.

The BUF becomes tainted.

`remove`

Remove and destroy the message queue from the system.

`set (STAT)`

`set (NAME => VALUE [, NAME => VALUE ...])`

"set" will set the following values of the "stat" structure associated with the message queue.

uid

gid

mode (only the permission bits)

qbytes

"set" accepts either a stat object, as returned by the "stat" method, or a list of name-value pairs.

snd (TYPE, MSG [, FLAGS])

Place a message on the queue with the data from "MSG" and with type "TYPE". See msgsnd(2).

stat

Returns an object of type "IPC::Msg::stat" which is a sub-class of "Class::Struct". It provides the following fields. For a description of these fields see you system documentation.

uid

gid

cuid

cgid

mode

qnum

qbytes

lspid

lrpid

stime

rtime

ctime

SEE ALSO

IPC::SysV, Class::Struct

AUTHORS

Graham Barr <gbarr@pobox.com>, Marcus Holland-Moritz <mhx@cpan.org>

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