

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 (oly 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>

### COPYRIGHT

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