

NAME

IPC::Msg - SysV Msg IPC object class

SYNOPSIS

```
use IPC::SysV qw(IPC_PRIVATE S_IRUSR S_IWUSR);
use IPC::Msg;

$msg = new IPC::Msg(IPC_PRIVATE, S_IRUSR | S_IWUSR);

$msg->snd(pack("l! a*", $msgtype, $msg));

$msg->rcv($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*. 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*.

`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 your system documentation.

```
uid
gid
cuid
cgid
mode
qnum
qbytes
lspid
lrpid
stime
rtime
ctime
```

SEE ALSO

IPC::SysV Class::Struct

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