

NAME

`ipc` – System V IPC system calls

SYNOPSIS

```
int ipc(unsigned int call, int first, int second, int third,  
        void *ptr, long fifth);
```

DESCRIPTION

`ipc()` is a common kernel entry point for the System V IPC calls for messages, semaphores, and shared memory. *call* determines which IPC function to invoke; the other arguments are passed through to the appropriate call.

User-space programs should call the appropriate functions by their usual names. Only standard library implementors and kernel hackers need to know about `ipc()`.

CONFORMING TO

`ipc()` is Linux-specific, and should not be used in programs intended to be portable.

NOTES

On some architectures—for example x86-64 and ARM—there is no `ipc()` system call; instead, `msgctl(2)`, `semctl(2)`, `shmctl(2)`, and so on really are implemented as separate system calls.

SEE ALSO

`msgctl(2)`, `msgget(2)`, `msgrcv(2)`, `msgsnd(2)`, `semctl(2)`, `semget(2)`, `semop(2)`, `semtimedop(2)`, `shmat(2)`, `shmctl(2)`, `shmdt(2)`, `shmget(2)`, `sysvipc(7)`

COLOPHON

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