

Re: writev(2) and IOV_MAX confusion

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Date: Mon, 16 Feb 2004 02:32:54 -0800
To: Andre Oppermann <andre@FreeBSD.ORG>

On Mon, Feb 16, 2004, Andre Oppermann wrote:

> *The is a big confusion over the correct definition of IOV_MAX in relation*
> *to writev(2). The man page for write(2)/writev(2) says you only have to*
> *include <sys/uio.h> to get everything. Unfortunately IOV_MAX is not (no*
> *longer?) defined there but in <sys/syslimits.h>. Both Net- and OpenBSD*
> *still define it in <sys/uio.h> but NetBSD only for compatibility. For*
> *them the correct place seems to be <sys/syslimits.h> too but only when*
> *_XOPEN_SOURCE is defined.*
>
> *What is the correct place for IOV_MAX? And what has to be adjusted, the*
> *man page or the .h files?*

In POSIX, you get IOV_MAX only by including <limits.h>, and FreeBSD's <limits.h> includes <sys/syslimits.h>, so the code is correct here. As far as I can tell, the man page doesn't say anything about what you have to include to get IOV_MAX, but I suppose it could be more clear.

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