

Re: [RFC] Advanced XIP File System

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-05/msg00737.html>

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On Wed, 2006-05-03 at 05:41 -0500, Josh Boyer wrote:

Yes, I realize that all that is needed is support from other archs. A more general form of the question would be does AXFS depend on ARCH_MTD_XIP?

That's for kernel XIP, which needs special magic for putting certain functions into RAM instead of the flash, polling for interrupts, etc.

For general `_userspace_ XIP` we don't necessarily need to do that. We only need to mark those pages as absent in the page tables if we ever schedule to userspace while the flash is in a mode other than read mode. Then handle the page fault by switching the flash back or waiting for it.

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dwmw2

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