
Subject: Re: [PATCH v4 8/9] IPC: message queue copy feature introduced

Posted by [Manfred Spraul](#) on Tue, 11 Sep 2012 15:03:48 GMT

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On 08/13/2012 02:32 PM, Stanislav Kinsbursky wrote:

- > This patch is required for checkpoint/restore in userspace.
- > IOW, c/r requires some way to get all pending IPC messages without deleting
- > them from the queue (checkpoint can fail and in this case tasks will be resumed,
- > so queue have to be valid).
- > To achive this, new operation flag MSG_COPY for sys_msgrcv() system call was
- > introduced. If this flag was specified, then mtype is interpreted as number of
- > the message to copy.
- > If MSG_COPY is set, then kernel will allocate dummy message with passed size,
- > and then use new copy_msg() helper function to copy desired message (instead of
- > unlinking it from the queue).
- >
- > Notes:
- > 1) Return -ENOSYS if MSG_COPY is specified, but CONFIG_CHECKPOINT_RESTORE is
- > not set.

How is CONFIG_CHECKPOINT_RESTORE set?

I'm not sure, but I think it should be added to Kconfig.

--

Manfred
