Subject: Re: ***SPAM*** Re: [PATCH v7 00/10] IPC: checkpoint/restore in userspace enhancements Posted by Stanislav Kinsbursky on Thu, 18 Oct 2012 11:02:53 GMT

View Forum Message <> Reply to Message

> Stanislaw,

>

> This patch series is an API change. Could you please make sure that

- > all future revisions CC linux-api@vger.kernel.org, as per
- > Documentation/SubmitChecklist.

>

Yes, sure. Thanks.

> Cheers,

>

> Michael

>

>

> On Thu, Oct 18, 2012 at 12:22 PM, Stanislav Kinsbursky

> <skinsbursky@parallels.com> wrote:

>> v7:

>> 1) Added comments in places, when behiviour is not obvious.

>> 2) Compilation fixed for compat layer

>> 3) test updated to use existent header files (instead of hard-coding new

>> defines in case of absence).

>> 4) comment fixed in qlge driver

>>

>> v6:

>> 1) rebased on 3.7-rc1

>>

>> v5:

>> 1) Several define-dependent compile bugs fixed

>> 2) IPC message copy test updated

>> 3) A couple of minor fixes.

>> 4) Qlogic driver update: rename of its internal SEM_SET define into SEM_INIT

>> (compile error).

>>

>> v4:

>> 1) If MSG_COPY flag is specified, then "mtype" is not a type, but message

>> number to copy.

>> 2) MSG_SET_COPY logic for sys_msgctl() was removed.

>> >> v3:

>> 1) Copy messages to user-space under spinlock was replaced by allocation of >> dummy message before queue lock and then copy of desired message to the dummy

>> one instead of unlinking it from queue list.

>> I.e. the message queue copy logic was changed: messages can be retrived one by >> one (instead of receiving of the whole list at once). >> >> This patch set is aimed to provide additional functionality for all IPC >> objects. >> which is required for migration of these objects by user-space >> checkpoint/restore utils (CRIU). >> >> The main problem here was impossibility to set up object id. This patch set >> solves the problem in two steps: >> 1) Makes it possible to create new object (shared memory, semaphores set or >> messages queue) with ID, equal to passed key. >> 2) Makes it possible to change existent object key. >> >> Another problem was to peek messages from queues without deleting them. >> This was achived by introducing of new MSG_COPY flag for sys_msgrcv(). If >> MSG COPY flag is set, then msgtyp is interpreted as message number. >> >> The following series implements... >> >> ---->> >> Stanislav Kinsbursky (10): ipc: remove forced assignment of selected message >> ipc: "use key as id" functionality for resource get system call introduced >> ipc: segment key change helper introduced >> ipc: add new SHM_SET command for sys_shmctl() call >> ipc: add new MSG SET command for sys msgctl() call >> glge driver: rename internal SEM SET macro to SEM INIT >> ipc: add new SEM SET command for sys semctl() call >> IPC: message queue receive cleanup >> IPC: message queue copy feature introduced >> test: IPC message queue copy feture test >> >> >> >> drivers/net/ethernet/glogic/glge/glge.h >> drivers/net/ethernet/glogic/glge_main.c | 16 +->> include/linux/msg.h 5 ->> include/uapi/linux/ipc.h 1 2 >> include/uapi/linux/msg.h >> include/uapi/linux/sem.h 1 >> include/uapi/linux/shm.h 1 >> ipc/compat.c | 54 +++--->> ipc/msg.c | 117 ++++++++++--->> ipc/msgutil.c 38 ++++ >> ipc/sem.c 15 +->> ipc/shm.c 18 ++ >> ipc/util.c 67 ++++++-

>>	ipc/util.h 6 +
>>	security/selinux/hooks.c 3
>>	security/smack/smack_lsm.c 3
>>	tools/testing/selftests/ipc/Makefile 25 +++
>>	tools/testing/selftests/ipc/msgque.c 231 +++++++++++++++++++++++++++++++++++
>>	18 files changed, 526 insertions(+), 81 deletions(-)
>>	create mode 100644 tools/testing/selftests/ipc/Makefile
>>	create mode 100644 tools/testing/selftests/ipc/msgque.c
>>	
>	
>	
>	

--Best regards, Stanislav Kinsbursky

Page 3 of 3 ---- Generated from OpenVZ Forum