
Subject: [PATCH 4/5] Documentation: update sysctl/kernel.txt
Posted by [Stanislav Kinsbursky](#) on Fri, 26 Oct 2012 11:06:12 GMT
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This patch adds documentation about new "msg_next_id", "sem_next_id" and "shm_next_id" sysctls.

Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

Documentation/sysctl/kernel.txt | 19 ++++++
1 files changed, 19 insertions(+), 0 deletions(-)

diff --git a/Documentation/sysctl/kernel.txt b/Documentation/sysctl/kernel.txt

index 2907ba6..51b953a 100644

--- a/Documentation/sysctl/kernel.txt

+++ b/Documentation/sysctl/kernel.txt

@@ -38,6 +38,7 @@ show up in /proc/sys/kernel:

- l2cr [PPC only]
- modprobe ==> Documentation/debugging-modules.txt
- modules_disabled

+ msg_next_id [sysv ipc]

- msgmax
- msgmnb
- msgmni

@@ -62,7 +63,9 @@ show up in /proc/sys/kernel:

- rtsig-max
- rtsig-nr
- sem

+ sem_next_id [sysv ipc]

- sg-big-buff [generic SCSI device (sg)]

+ shm_next_id [sysv ipc]

- shm_rmid_forced
- shmall

- shmmax [sysv ipc]

@@ -320,6 +323,22 @@ to false.

=====

+msg_next_id, sem_next_id, and shm_next_id:

+

+These three toggles allows to specify desired id for next allocated IPC
+object: message, semaphore or shared memory respectively.

+

+By default they are equal to -1, which means generic allocation logic.
+Possible values to set are in range {0..INT_MAX}.

+

+Notes:

+1) kernel doesn't guarantee, that new object will have desired id. So,

+it's up to userspace, how to handle an object with "wrong" id.
+2) Toggle with non-default value will be set back to -1 by kernel after
+successful IPC object allocation.

+

+=====

+

nmi_watchdog:

Enables/Disables the NMI watchdog on x86 systems. When the value is
