Subject: [PATCH 4/5] Documentation: update sysctl/kernel.txt
Posted by Stanislav Kinsbursky on Fri, 26 Oct 2012 11:06:12 GMT

View Forum Message <> Reply to Message

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