
Subject: [PATCH] bluetooth hidp: Convert to kthread API.
Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:53 GMT
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This patch starts up khidp using kthread_run instead of kernel_thread and daemonize, resulting is slightly simpler and more maintainable code.

Cc: Marcel Holtmann <marcel@holtmann.org>

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

net/bluetooth/hidp/core.c | 29 ++++++-----
1 files changed, 16 insertions(+), 13 deletions(-)

diff --git a/net/bluetooth/hidp/core.c b/net/bluetooth/hidp/core.c

index df2c471..1c9b202 100644

--- a/net/bluetooth/hidp/core.c

+++ b/net/bluetooth/hidp/core.c

@@ -36,6 +36,7 @@

#include <linux/init.h>

#include <linux/wait.h>

#include <linux/freezer.h>

+#include <linux/kthread.h>

#include <net/sock.h>

#include <linux/input.h>

@@ -531,22 +532,11 @@ static int hidp_session(void *arg)

struct sock *ctrl_sk = session->ctrl_sock->sk;

struct sock *intr_sk = session->intr_sock->sk;

struct sk_buff *skb;

- int vendor = 0x0000, product = 0x0000;

wait_queue_t ctrl_wait, intr_wait;

BT_DBG("session %p", session);

- if (session->input) {

- vendor = session->input->id.vendor;

- product = session->input->id.product;

- }

-

- if (session->hid) {

- vendor = session->hid->vendor;

- product = session->hid->product;

- }

- daemonize("khidpd_%04x%04x", vendor, product);

```

set_user_nice(current, -15);

init_waitqueue_entry(&ctrl_wait, current);
@@ -747,7 +737,9 @@ static inline void hidp_setup_hid(struct hidp_session *session, struct
hidp_conn

int hidp_add_connection(struct hidp_connadd_req *req, struct socket *ctrl_sock, struct socket
*intr_sock)
{
+ int vendor = 0x0000, product = 0x0000;
  struct hidp_session *session, *s;
+ struct task_struct *task;
  int err;

  BT_DBG("");
@@ -834,8 +826,19 @@ int hidp_add_connection(struct hidp_connadd_req *req, struct socket
*ctrl_sock,

  hidp_set_timer(session);

- err = kernel_thread(hidp_session, session, CLONE_KERNEL);
- if (err < 0)
+ if (session->input) {
+   vendor = session->input->id.vendor;
+   product = session->input->id.product;
+ }
+
+ if (session->hid) {
+   vendor = session->hid->vendor;
+   product = session->hid->product;
+ }
+ task = kthread_run(hidp_session, session,
+   "khidpd_%04x%04x", vendor, product);
+ err = PTR_ERR(task);
+ if (IS_ERR(task))
+   goto unlink;

  if (session->input) {
--
1.5.0.g53756

```

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