
Subject: [PATCH] s390/scsi/zfcp_erp: Convert to use the kthread API

Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:42 GMT

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From: Eric W. Biederman <ebiederm@xmission.com>

Modify zfcp_erp.c to be started with kthread_run not
a combination of kernel_thread, daemonize and siginitsetinv
making the code slightly simpler and more maintainable.

Cc: Swen Schillig <swen@vnet.ibm.com>

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

drivers/s390/scsi/zfcp_erp.c | 13 ++++++-----

1 files changed, 6 insertions(+), 7 deletions(-)

diff --git a/drivers/s390/scsi/zfcp_erp.c b/drivers/s390/scsi/zfcp_erp.c

index 66c0b09..f26536d 100644

--- a/drivers/s390/scsi/zfcp_erp.c

+++ b/drivers/s390/scsi/zfcp_erp.c

@@ -21,6 +21,7 @@

#define ZFCP_LOG_AREA ZFCP_LOG_AREA_ERP

+#include <linux/kthread.h>

#include "zfcp_ext.h"

static int zfcp_erp_adisc(struct zfcp_port *);

@@ -985,12 +986,13 @@ static void zfcp_erp_action_dismiss(struct zfcp_erp_action
*erp_action)

int

zfcp_erp_thread_setup(struct zfcp_adapter *adapter)

{

- int retval = 0;

+ struct task_struct *task;

atomic_clear_mask(ZFCP_STATUS_ADAPTER_ERP_THREAD_UP, &adapter->status);

- retval = kernel_thread(zfcp_erp_thread, adapter, SIGCHLD);

- if (retval < 0) {

+ task = kthread_run(zfcp_erp_thread, adapter,

+ "zfcp_erp_thread", zfcp_get_busid_by_adapter(adapter));

+ if (IS_ERR(task)) {

ZFCP_LOG_NORMAL("error: creation of erp thread failed for "

"adapter %s\n",

zfcp_get_busid_by_adapter(adapter));

@@ -1002,7 +1004,7 @@ zfcp_erp_thread_setup(struct zfcp_adapter *adapter)

debug_text_event(adapter->erp_dbf, 5, "a_thset_ok");

```

}

- return (retval < 0);
+ return IS_ERR(task);
}

/*
@@ -1054,9 +1056,6 @@ zfcpx_erp_thread(void *data)
    struct zfcpx_erp_action *erp_action;
    unsigned long flags;

- daemonize("zfcpxerp%s", zfcpx_get_busid_by_adapter(adapter));
- /* Block all signals */
- siginitsetinv(&current->blocked, 0);
    atomic_set_mask(ZFCPX_STATUS_ADAPTER_ERP_THREAD_UP, &adapter->status);
    debug_text_event(adapter->erp_dbf, 5, "a_th_run");
    wake_up(&adapter->erp_thread_wqh);
--
1.5.0.g53756

```

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