
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 zfcperp% 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%erps", 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 @@ zfcp_erp_thread(void *data)
 struct zfcp_erp_action *erp_action;
 unsigned long flags;

- daemonize("zfcp_erp%s", zfcp_get_bsid_by_adapter(adapter));
- /* Block all signals */
- siginitsetinv(&current->blocked, 0);
 atomic_set_mask(ZFCP_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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