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Subject: [PATCH] sas\_scsi\_host: Convert to use the kthread API

Posted by [ebiederm](#) on Thu, 19 Apr 2007 06:55:33 GMT

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From: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)> - unquoted

This patch modifies the sas\_scsi\_host thread startup to use kthread\_run not kernel\_thread and daemonize. kthread\_run is slightly simpler and more maintainable.

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Cc: James Bottomley <[James.Bottomley@SteelEye.com](mailto:James.Bottomley@SteelEye.com)>

Signed-off-by: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)>

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drivers/scsi/libsas/sas\_scsi\_host.c | 11 ++++++-----

1 files changed, 6 insertions(+), 5 deletions(-)

diff --git a/drivers/scsi/libsas/sas\_scsi\_host.c b/drivers/scsi/libsas/sas\_scsi\_host.c

index 46ba3a7..7a38ac5 100644

--- a/drivers/scsi/libsas/sas\_scsi\_host.c

+++ b/drivers/scsi/libsas/sas\_scsi\_host.c

@ @ -40,6 +40,7 @ @

#include <linux/blkdev.h>

#include <linux/scatterlist.h>

#include <linux/freezer.h>

+#include <linux/kthread.h>

/\* ----- SCSI Host glue ----- \*/

@ @ -870,7 +871,6 @ @ static int sas\_queue\_thread(void \*\_sas\_ha)

struct sas\_ha\_struct \*sas\_ha = \_sas\_ha;

struct scsi\_core \*core = &sas\_ha->core;

- daemonize("sas\_queue\_%d", core->shost->host\_no);

current->flags |= PF\_NOFREEZE;

complete(&queue\_th\_comp);

@ @ -891,19 +891,20 @ @ static int sas\_queue\_thread(void \*\_sas\_ha)

int sas\_init\_queue(struct sas\_ha\_struct \*sas\_ha)

{

- int res;

struct scsi\_core \*core = &sas\_ha->core;

+ struct task\_struct \*task;

spin\_lock\_init(&core->task\_queue\_lock);

core->task\_queue\_size = 0;

INIT\_LIST\_HEAD(&core->task\_queue);

```
init_MUTEX_LOCKED(&core->queue_thread_sema);
```

```
- res = kernel_thread(sas_queue_thread, sas_ha, 0);
```

```
- if (res >= 0)
```

```
+ task = kthread_run(sas_queue_thread, sas_ha,
```

```
+   "sas_queue_%d", core->shost->host_no);
```

```
+ if (!IS_ERR(task))
```

```
    wait_for_completion(&queue_th_comp);
```

```
- return res < 0 ? res : 0;
```

```
+ return IS_ERR(task) ? PTR_ERR(task) : 0;
```

```
}
```

```
void sas_shutdown_queue(struct sas_ha_struct *sas_ha)
```

```
--
```

```
1.5.0.g53756
```

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