
Subject: i2o: CONFIG_DEBUG_SG compilation fixed
Posted by [vaverin](#) on Mon, 29 Oct 2007 06:32:13 GMT

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i2o crashed when CONFIG_DEBUG_SG is enabled because i2o_block_request structure includes array of scatterlists that should be initialised

Signed-off-by: Vasily Averin <vvs@sw.ru>

--- a/drivers/message/i2o/i2o_block.c

+++ b/drivers/message/i2o/i2o_block.c

@@ -1137,6 +1137,18 @@ static struct i2o_driver i2o_block_driver = {

*

* Returns 0 on success or negative error code on failure.

*/

+

+#ifdef CONFIG_DEBUG_SG

+static void i2o_block_req_ctor(struct kmem_cache *cachep, void *objp) {

+ sg_init_table(((struct i2o_block_request *)(objp))->sg_table,

+ I2O_MAX_PHYS_SEGMENTS);

}

+

+#define I2O_BLKCTOR &i2o_block_req_ctor

+#else

+#define I2O_BLKCTOR NULL

+#endif

+

static int __init i2o_block_init(void)

{

int rc;

@@ -1147,7 +1159,7 @@ static int __init i2o_block_init(void)

/* Allocate request mempool and slab */

size = sizeof(struct i2o_block_request);

i2o_blk_req_pool.slab = kmem_cache_create("i2o_block_req", size, 0,

- SLAB_HWCACHE_ALIGN, NULL);

+ SLAB_HWCACHE_ALIGN, I2O_BLKCTOR);

if (!i2o_blk_req_pool.slab) {

osm_err("can't init request slab\n");

rc = -ENOMEM;
