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

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```
--- 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_BLK_CTOR &i2o_block_req_ctor
+#else
+#define I2O_BLK_CTOR 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_BLK_CTOR);
  if (!i2o_blk_req_pool.slab) {
   osm_err("can't init request slab\n");
   rc = -ENOMEM;
```