

mm: Remove slab destructors from kmem_cache_create().

 lwn.net/Articles/242553/

From: Paul Mundt <lethal@linux-sh.org>

To: Linus Torvalds <torvalds@linux-foundation.org>

Subject: [GIT PULL] mm: Remove slab destructors from kmem_cache_create().

Date: Fri, 20 Jul 2007 10:28:46 +0900

Message-ID: <20070720012846.GA22487@linux-sh.org>

Cc: Christoph Lameter <clameter@sgi.com>, linux-kernel@vger.kernel.org

Archive-link: [Article](#)

Slab destructors were no longer supported after Christoph's c59def9f222d44bb7e2f0a559f2906191a0862d7 change. They've been BUGs for both slab and slub, and slob never supported them either.

This rips out support for the dtor pointer from kmem_cache_create() completely and fixes up every single callsite in the kernel (there were about 224, not including the slab allocator definitions themselves, or the documentation references).

Perhaps this is something that should go in later, as it does cause a bit of churn across the tree. However, there shouldn't be anything here that causes trouble for git merges, as it's all pretty straightforward removal. I've placed it in a git tree to pull as it's quite large, and not terribly interesting.

If you want this single change, please pull from:

```
master.kernel.org:/pub/scm/linux/kernel/git/lethal/sh-2.6.git kmem_death
```

Which contains:

Paul Mundt (1):

mm: Remove slab destructors from kmem_cache_create().

arch/arm/plat-s3c24xx/dma.c		2 +-
arch/arm26/mm/memc.c		4 ++-
arch/i386/mm/init.c		3 +-
arch/ia64/ia32/ia32_support.c		2 +-
arch/powerpc/kernel/rtas_flash.c		2 +-
arch/powerpc/mm/hugetlbpage.c		2 +-
arch/powerpc/mm/init_64.c		3 +-
arch/powerpc/platforms/cell/spufs/inode.c		2 +-
arch/sh/kernel/cpu/sh4/sq.c		3 +-
arch/sh/mm/pmb.c		2 +-
arch/sparc64/mm/tsb.c		3 +-

block/bsg.c		2 +-
block/ll_rw_blk.c		6 +++--
drivers/acpi/osl.c		2 +-
drivers/block/aoe/aoeblk.c		4 ++--
drivers/ieee1394/eth1394.c		2 +-
drivers/infiniband/core/mad.c		1 -
drivers/infiniband/hw/ams01100/c2_vq.c		2 +-
drivers/infiniband/hw/ehca/ehca_av.c		2 +-
drivers/infiniband/hw/ehca/ehca_cq.c		2 +-
drivers/infiniband/hw/ehca/ehca_main.c		2 +-
drivers/infiniband/hw/ehca/ehca_mrmw.c		4 ++--
drivers/infiniband/hw/ehca/ehca_pd.c		2 +-
drivers/infiniband/hw/ehca/ehca_qp.c		2 +-
drivers/infiniband/ulp/iser/iscsi_iser.c		2 +-
drivers/kvm/mmu.c		8 ++++----
drivers/md/raid5.c		4 ++--
drivers/message/i2o/i2o_block.c		3 +-
drivers/mtd/ubi/eba.c		2 +-
drivers/mtd/ubi/wl.c		2 +-
drivers/s390/block/dasd_devmap.c		2 +-
drivers/s390/scsi/zfcp_aux.c		6 +++--
drivers/scsi/aic94xx/aic94xx_init.c		4 ++--
drivers/scsi/libsas/sas_init.c		2 +-
drivers/scsi/qla2xxx/qla_os.c		2 +-
drivers/scsi/qla4xxx/ql4_os.c		2 +-
drivers/scsi/scsi.c		2 +-
drivers/scsi/scsi_lib.c		4 ++--
drivers/scsi/scsi_tgt_lib.c		2 +-
drivers/usb/host/uhci-hcd.c		2 +-
drivers/usb/mon/mon_text.c		2 +-
fs/adfs/super.c		4 ++--
fs/affs/super.c		2 +-
fs/afs/super.c		3 +-
fs/befs/linuxvfs.c		4 ++--
fs/bfs/inode.c		4 ++--
fs/bio.c		2 +-
fs/block_dev.c		2 +-
fs/cifs/cifsfs.c		10 +++++-----
fs/coda/inode.c		4 ++--
fs/configfs/mount.c		2 +-
fs/dcache.c		4 ++--
fs/dcookies.c		2 +-
fs/dlm/lowcomms.c		2 +-
fs/dlm/memory.c		2 +-
fs/dnotify.c		2 +-
fs/dquot.c		4 ++--
fs/ecryptfs/main.c		2 +-
fs/efs/super.c		4 ++--
fs/eventpoll.c		4 ++--
fs/ext2/super.c		4 ++--
fs/ext3/super.c		2 +-
fs/ext4/super.c		2 +-
fs/fat/cache.c		2 +-
fs/fat/inode.c		2 +-
fs/fcntl.c		2 +-
fs/freevxfs/vxfs_super.c		4 ++--
fs/fuse/dev.c		2 +-

fs/fuse/inode.c	2 +-
fs/gfs2/main.c	6 +++---
fs/hfs/super.c	2 +-
fs/hfsplus/super.c	2 +-
fs/hpfs/super.c	4 ++--
fs/hugetlbfs/inode.c	2 +-
fs/inode.c	3 +--
fs/inotify_user.c	4 ++--
fs/isofs/inode.c	2 +-
fs/jbd/journal.c	8 +++-----
fs/jbd/revoke.c	4 ++--
fs/jbd2/journal.c	8 +++-----
fs/jbd2/revoke.c	4 ++--
fs/jffs2/malloc.c	18 ++++++++-----
fs/jffs2/super.c	2 +-
fs/jfs/jfs_metapage.c	2 +-
fs/jfs/super.c	2 +-
fs/locks.c	2 +-
fs/mbcache.c	2 +-
fs/minix/inode.c	4 ++--
fs/namespace.c	2 +-
fs/ncpfs/inode.c	4 ++--
fs/nfs/direct.c	2 +-
fs/nfs/inode.c	4 ++--
fs/nfs/pagelist.c	2 +-
fs/nfs/read.c	2 +-
fs/nfs/write.c	2 +-
fs/nfsd/nfs4state.c	8 ++++----
fs/ntfs/super.c	10 +++++-----
fs/ocfs2/dlm/dlmfs.c	2 +-
fs/ocfs2/dlm/dlmmaster.c	2 +-
fs/ocfs2/super.c	2 +-
fs/ocfs2/uptodate.c	2 +-
fs/openpromfs/inode.c	2 +-
fs/proc/inode.c	4 ++--
fs/qnx4/inode.c	2 +-
fs/reiserfs/super.c	2 +-
fs/romfs/inode.c	4 ++--
fs/smbfs/inode.c	4 ++--
fs/smbfs/request.c	2 +-
fs/sysfs/mount.c	2 +-
fs/sysv/inode.c	2 +-
fs/udf/super.c	2 +-
fs/ufs/super.c	4 ++--
fs/xfs/linux-2.6/kmem.h	4 ++--
include/linux/i2o.h	3 +--
include/linux/slab.h	3 +--
ipc/mqueue.c	2 +-
kernel/fork.c	18 ++++++++-----
kernel/nsproxy.c	2 +-
kernel/posix-timers.c	2 +-
kernel/user.c	2 +-
lib/idr.c	2 +-
lib/radix-tree.c	2 +-
mm/mempolicy.c	4 ++--
mm/rmap.c	2 +-

mm/shmem.c		2 +-
mm/slab.c		17 ++++++-----
mm/slob.c		3 +--
mm/slub.c		4 +---
net/bridge/br_fdb.c		2 +-
net/core/flow.c		2 +-
net/core/neighbour.c		2 +-
net/core/skbuff.c		4 ++--
net/core/sock.c		6 +++---
net/dccp/ackvec.c		4 ++--
net/dccp/ccid.c		2 +-
net/dccp/ccids/lib/loss_interval.c		2 +-
net/dccp/ccids/lib/packet_history.c		4 ++--
net/dccp/proto.c		2 +-
net/decnet/dn_route.c		2 +-
net/decnet/dn_table.c		2 +-
net/ipv4/fib_hash.c		4 ++--
net/ipv4/fib_trie.c		2 +-
net/ipv4/inetpeer.c		2 +-
net/ipv4/ipmr.c		2 +-
net/ipv4/ipvs/ip_vs_conn.c		2 +-
net/ipv4/route.c		2 +-
net/ipv4/tcp.c		2 +-
net/ipv6/ip6_fib.c		2 +-
net/ipv6/route.c		2 +-
net/ipv6/xfrm6_tunnel.c		2 +-
net/netfilter/nf_conntrack_core.c		2 +-
net/netfilter/nf_conntrack_expect.c		2 +-
net/netfilter/xt_hashlimit.c		2 +-
net/rxrpc/af_rxrpc.c		2 +-
net/sctp/protocol.c		4 ++--
net/socket.c		3 +--
net/sunrpc/rpc_pipe.c		2 +-
net/sunrpc/sched.c		4 ++--
net/tipc/handler.c		2 +-
net/xfrm/xfrm_input.c		2 +-
net/xfrm/xfrm_policy.c		2 +-
security/keys/key.c		2 +-
security/selinux/avc.c		2 +-
security/selinux/hooks.c		2 +-
security/selinux/ss/avtab.c		2 +-
165 files changed, 247 insertions(+), 268 deletions(-)		