

# [klibc 23/31] kinit: replacement for in-kernel do\_mount, ipconfig, nfsroot

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-06/msg09405.html>

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  - *Date:* Tue, 27 Jun 2006 22:17:23 -0700
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[klibc] kinit: replacement for in-kernel do\_mount, ipconfig, nfsroot

kinit provides the default root-mounting code. It should be compatible with the in-kernel root-mounting code (modulo bugs); it also provides a few minor enhancements.

Signed-off-by: H. Peter Anvin <hpa@xxxxxxxx>

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commit b202cbd956d9433d6e00cabb63546773c10680a9  
tree 6fb0cdbc124476c88d5711add5f4a6c4bc0770f3  
parent 8c5226a0f242be0fc40dad16236b511292115e1b  
author H. Peter Anvin <hpa@xxxxxxxx> Tue, 27 Jun 2006 20:51:07 -0700  
committer H. Peter Anvin <hpa@xxxxxxxx> Tue, 27 Jun 2006 20:51:07 -0700

```
usr/kinit/Kbuild | 28 +
usr/kinit/README | 9
usr/kinit/devname.c | 114 +++++
usr/kinit/do_mounts.c | 221 ++++++
usr/kinit/do_mounts.h | 48 ++
usr/kinit/do_mounts_md.c | 398 ++++++
usr/kinit/do_mounts_mtd.c | 44 ++
usr/kinit/fstype/Kbuild | 25 +
usr/kinit/fstype/cramfs_fs.h | 85 +++++
usr/kinit/fstype/ext2_fs.h | 79 +++++
usr/kinit/fstype/ext3_fs.h | 92 +++++
usr/kinit/fstype/fstype.c | 296 ++++++
usr/kinit/fstype/fstype.h | 23 +
usr/kinit/fstype/jfs_superblock.h | 114 +++++
usr/kinit/fstype/luks_fs.h | 44 ++
usr/kinit/fstype/lvm2_sb.h | 18 +
usr/kinit/fstype/main.c | 58 +++
usr/kinit/fstype/minix_fs.h | 85 +++++
usr/kinit/fstype/reiserfs_fs.h | 69 +++
usr/kinit/fstype/romfs_fs.h | 56 +++
usr/kinit/fstype/swap_fs.h | 18 +
usr/kinit/fstype/xfss_sb.h | 16 +
usr/kinit/getarg.c | 57 +++
```

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usr/kinit/getintfile.c | 30 +
usr/kinit/initrd.c | 199 ++++++++
usr/kinit/ipconfig/Kbuild | 31 +
usr/kinit/ipconfig/README | 103 +++++
usr/kinit/ipconfig/bootp_packet.h | 34 ++
usr/kinit/ipconfig/bootp_proto.c | 213 ++++++++
usr/kinit/ipconfig/bootp_proto.h | 8
usr/kinit/ipconfig/dhcp_proto.c | 212 ++++++++
usr/kinit/ipconfig/dhcp_proto.h | 18 +
usr/kinit/ipconfig/ipconfig.h | 35 ++
usr/kinit/ipconfig/main.c | 758 ++++++++
usr/kinit/ipconfig/netdev.c | 251 ++++++++
usr/kinit/ipconfig/netdev.h | 83 +++++
usr/kinit/ipconfig/packet.c | 286 ++++++++
usr/kinit/ipconfig/packet.h | 9
usr/kinit/kinit.c | 330 ++++++++
usr/kinit/kinit.h | 73 +++
usr/kinit/name_to_dev.c | 202 ++++++++
usr/kinit/nfsmount/Kbuild | 27 +
usr/kinit/nfsmount/README.locking | 26 +
usr/kinit/nfsmount/dummysmap.c | 188 ++++++++
usr/kinit/nfsmount/dummysmap.h | 13 +
usr/kinit/nfsmount/dummysmap_test.c | 2
usr/kinit/nfsmount/main.c | 263 ++++++++
usr/kinit/nfsmount/mount.c | 357 ++++++++
usr/kinit/nfsmount/nfsmount.h | 39 ++
usr/kinit/nfsmount/portmap.c | 73 +++
usr/kinit/nfsmount/sunrpc.c | 253 ++++++++
usr/kinit/nfsmount/sunrpc.h | 99 +++++
usr/kinit/nfsroot.c | 113 +++++
usr/kinit/open.c | 18 +
usr/kinit/ramdisk_load.c | 271 ++++++++
usr/kinit/readfile.c | 86 +++++
usr/kinit/resume.c | 75 +++
usr/kinit/run-init/Kbuild | 25 +
usr/kinit/run-init/run-init.c | 95 +++++
usr/kinit/run-init/run-init.h | 38 ++
usr/kinit/run-init/runinitlib.c | 216 ++++++++
usr/kinit/xpio.c | 51 ++
usr/kinit/xpio.h | 11 +
63 files changed, 7211 insertions(+), 0 deletions(-)
```

Patch suppressed due to size (185 K), available at:

<http://www.kernel.org/pub/linux/kernel/people/hpa/klibc-patchset/23-kinit-replacement-for-in-kernel-do-mount-ip>

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