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*****
16438 Mon Jul 22 19:15:36 2013
new/usr/src/uts/common/fs/fsh.c
fixes to fsh
*****
_____unchanged_portion_omitted_____

91 fsh_callback_list_t fsh_global_callback_list;

93 /*
94 * It is assumed that VFS_HOLD() has been called before calling any of the
95 * fsh_fs_xxx()/fsh_hook_xxx() API. VFS_RELE() should be called after.
96 */

98 #define FSH_GET_FSRECP(vfsp)      (vfsp->vfs_fshrecord)
98 #define FSH_GET_FSREC(vfsp)      (vfsp->vfs_fshrecord)

100 int
101 fsh_fs_enable(vfs_t *vfsp)
102 {
103     fsh_fsrecord_t *fsrec;

105     fsrec = FSH_GET_FSRECP(vfsp);
105     fsrec = FSH_GET_FSREC(vfsp);
106     rw_enter(&fsrec->fshfsr_en_lock, RW_WRITER);
107     fsrec->fshfsr_enabled = 1;
108     rw_exit(&fsrec->fshfsr_en_lock);

110     return (0);
111 }

113 int
114 fsh_fs_disable(vfs_t *vfsp)
115 {
116     fsh_fsrecord_t *fsrec;

118     fsrec = FSH_GET_FSRECP(vfsp);
118     fsrec = FSH_GET_FSREC(vfsp);
119     rw_enter(&fsrec->fshfsr_en_lock, RW_WRITER);
120     fsrec->fshfsr_enabled = 0;
121     rw_exit(&fsrec->fshfsr_en_lock);

123     return (0);
124 }

127 #define FSH_INSTALL(type, hooks, fsrecp, listp, nodep, lower, upper) \
128 do { \
129     if (hooks->hook_##lower) { \
130         nodep = (fsh_node_t *) kmem_alloc(sizeof (*nodep), \
131             KM_SLEEP); \
132         nodep->fshn_hooki.fshi_fn.hook_##lower = \
133             hooks->hook_##lower; \
134         nodep->fshn_hooki.fshi_arg = hooks->arg; \
135         \
136         listp = &fsrecp->fshfsr_opv[FSH_##type##_##upper]; \
137         rw_enter(&listp->fshl_lock, RW_WRITER); \
138         nodep->fshn_next = \
139             fsrecp \
140             ->fshfsr_opv[FSH_##type##_##upper].fshl_head; \
141         fsrecp->fshfsr_opv[FSH_##type##_##upper].fshl_head \
142             = nodep; \
143         rw_exit(&listp->fshl_lock); \
144     } \
145     _NOTE(CONSTCOND) \
146 } while (0)

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148 #define FSH_INSTALL_VN(hooks, fsrecp, listp, nodep, lower, upper) \
149     FSH_INSTALL(VOP, hooks, fsrecp, listp, nodep, lower, upper)

151 #define FSH_INSTALL_VFS(hooks, fsrecp, listp, nodep, lower, upper) \
152     FSH_INSTALL(VFS, hooks, fsrecp, listp, nodep, lower, upper)

154 int
155 fsh_hook_install(vfs_t *vfsp, fsh_t *hooks)
156 {
157     fsh_fsrecord_t *fsrec;
158     fsh_list_t *list;
159     fsh_node_t *node;

161     fsrec = FSH_GET_FSRECP(vfsp);
159     fsrec = FSH_GET_FSREC(vfsp);

163     FSH_INSTALL_VN(hooks, fsrec, list, node, open, OPEN);
164     FSH_INSTALL_VN(hooks, fsrec, list, node, close, CLOSE);
165     FSH_INSTALL_VN(hooks, fsrec, list, node, read, READ);
166     FSH_INSTALL_VN(hooks, fsrec, list, node, write, WRITE);
167     FSH_INSTALL_VFS(hooks, fsrec, list, node, mount, MOUNT);
168     FSH_INSTALL_VFS(hooks, fsrec, list, node, unmount, UNMOUNT);
169     FSH_INSTALL_VFS(hooks, fsrec, list, node, root, ROOT);
170     FSH_INSTALL_VFS(hooks, fsrec, list, node, vget, VGET);
171     FSH_INSTALL_VFS(hooks, fsrec, list, node, statfs, STATFS);

173     return (0);
174 }

177 #define FSH_REMOVE(type, hooks, fsrec, list, node, prev, lower, upper) \
178 do { \
179     if (hooks->hook_## lower == NULL) \
180         break; \
181     \
182     list = &fsrec->fshfsr_opv[FSH_## type ## _ ## upper]; \
183     rw_enter(&list->fshl_lock, RW_WRITER); \
184     node = list->fshl_head; \
185     \
186     if (node == NULL) { \
187         rw_exit(&list->fshl_lock); \
188         break; \
189     } \
190     \
191     while (node && \
192         !(node->fshn_hooki.fshi_fn.hook_## lower == \
193             hooks->hook_## lower && \
194             node->fshn_hooki.fshi_arg == hooks->arg)) { \
195         prev = node; \
196         node = node->fshn_next; \
197     } \
198     \
199     if (node == NULL) { \
200         rw_exit(&list->fshl_lock); \
201         break; \
202     } \
203     \
204     if (node == list->fshl_head) \
205         list->fshl_head = node->fshn_next; \
206     else \
207         prev->fshn_next = node->fshn_next; \
208     rw_exit(&list->fshl_lock); \
209     \
210     kmem_free(node, sizeof (*node)); \
211     _NOTE(CONSTCOND) \

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212 } while (0)

214 #define FSH_REMOVE_VN(hooks, fsrec, list, node, prev, lower, upper) \
215     FSH_REMOVE(VOP, hooks, fsrec, list, node, prev, lower, upper)

217 #define FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, lower, upper) \
218     FSH_REMOVE(VFS, hooks, fsrec, list, node, prev, lower, upper)

220 int
221 fsh_hook_remove(vfs_t *vfsp, fsh_t *hooks)
222 {
223     fsh_fsrecord_t *fsrec;
224     fsh_list_t *list;
225     fsh_node_t *node;
226     fsh_node_t *prev;

228     fsrec = FSH_GET_FSRECP(vfsp);
229     fsrec = FSH_GET_FSREC(vfsp);

230     FSH_REMOVE_VN(hooks, fsrec, list, node, prev, open, OPEN);
231     FSH_REMOVE_VN(hooks, fsrec, list, node, prev, close, CLOSE);
232     FSH_REMOVE_VN(hooks, fsrec, list, node, prev, read, READ);
233     FSH_REMOVE_VN(hooks, fsrec, list, node, prev, write, WRITE);
234     FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, mount, MOUNT);
235     FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, unmount, UNMOUNT);
236     FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, root, ROOT);
237     FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, vget, VGET);
238     FSH_REMOVE_VFS(hooks, fsrec, list, node, prev, statfs, STATFS);

240     return (0);
241 }

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unchanged portion omitted

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298 #define FSH_ENABLED(vfsp, enabled) \
299 do { \
300     rw_enter(&FSH_GET_FSRECP(vfsp)->fshfsr_en_lock, RW_READER); \
301     *enabled = FSH_GET_FSRECP(vfsp)->fshfsr_enabled; \
302     rw_exit(&FSH_GET_FSRECP(vfsp)->fshfsr_en_lock); \
303     _NOTE(CONSTCOND) \
304 } while (0)

297     rw_enter(&FSH_GET_FSREC(vfsp)->fshfsr_en_lock, RW_READER); \
298     *enabled = FSH_GET_FSREC(vfsp)->fshfsr_enabled; \
299     rw_exit(&FSH_GET_FSREC(vfsp)->fshfsr_en_lock); \
304 } while (0)

306 int
307 fsh_open(vnode_t **vpp, int mode, cred_t *cr, caller_context_t *ct)
308 {
309     fsh_list_t *list;
310     int enabled;
311     int ret;

313     FSH_ENABLED((*vpp)->v_vfsp, &enabled);
314     if (!enabled)
315         return ((*vpp)->v_op->vop_open)(vpp, mode, cr, ct);

317     list = &FSH_GET_FSRECP((*vpp)->v_vfsp)->fshfsr_opv[FSH_VOP_OPEN];
318     list = &FSH_GET_FSREC((*vpp)->v_vfsp)->fshfsr_opv[FSH_VOP_OPEN];
319     rw_enter(&list->fshl_lock, RW_READER);
320     if (list->fshl_head == NULL)
321         ret = ((*vpp)->v_op->vop_open)(vpp, mode, cr, ct);
322     else
323         ret = fsh_next_open(list->fshl_head, vpp, mode, cr, ct);
324     rw_exit(&list->fshl_lock);

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325     return (ret);
326 }

328 int
329 fsh_close(vnode_t *vp, int flag, int count, offset_t offset, cred_t *cr,
330     caller_context_t *ct)
331 {
332     fsh_list_t *list;
333     int enabled;
334     int ret;

336     FSH_ENABLED(vp->v_vfsp, &enabled);
337     if (!enabled)
338         return ((*vp->v_op->vop_close)(vp, flag, count, offset,
339             cr, ct));

341     list = &FSH_GET_FSRECP(vp->v_vfsp)->fshfsr_opv[FSH_VOP_CLOSE];
342     list = &FSH_GET_FSREC(vp->v_vfsp)->fshfsr_opv[FSH_VOP_CLOSE];
343     rw_enter(&list->fshl_lock, RW_READER);
344     if (list->fshl_head == NULL)
345         ret = ((*vp->v_op->vop_close)(vp, flag, count, offset,
346             cr, ct));
347     else
348         ret = fsh_next_close(list->fshl_head, vp, flag, count,
349             offset, cr, ct);
350     rw_exit(&list->fshl_lock);

351     return (ret);
352 }

354 int
355 fsh_read(vnode_t *vp, uio_t *uiop, int ioflag, cred_t *cr,
356     caller_context_t *ct)
357 {
358     fsh_list_t *list;
359     int enabled;
360     int ret;

362     FSH_ENABLED(vp->v_vfsp, &enabled);
363     if (!enabled)
364         return ((*vp->v_op->vop_read)(vp, uiop, ioflag, cr, ct));

366     list = &FSH_GET_FSRECP(vp->v_vfsp)->fshfsr_opv[FSH_VOP_READ];
367     list = &FSH_GET_FSREC(vp->v_vfsp)->fshfsr_opv[FSH_VOP_READ];
368     rw_enter(&list->fshl_lock, RW_READER);
369     if (list->fshl_head == NULL)
370         ret = ((*vp->v_op->vop_read)(vp, uiop, ioflag, cr, ct));
371     else
372         ret = fsh_next_read(list->fshl_head, vp, uiop, ioflag,
373             cr, ct);
374     rw_exit(&list->fshl_lock);

375     return (ret);
376 }

378 int
379 fsh_write(vnode_t *vp, uio_t *uiop, int ioflag, cred_t *cr,
380     caller_context_t *ct)
381 {
382     fsh_list_t *list;
383     int enabled;
384     int ret;

386     FSH_ENABLED(vp->v_vfsp, &enabled);
387     if (!enabled)

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388         return ((*vp->v_op->vop_write))(vp, uiop, ioflag, cr, ct));
390     list = &FSH_GET_FSRECP(vp->v_vfsp)->fshfsr_opv[FSH_VOP_WRITE];
386     list = &FSH_GET_FSREC(vp->v_vfsp)->fshfsr_opv[FSH_VOP_WRITE];
391     rw_enter(&list->fshl_lock, RW_READER);
392     if (list->fshl_head == NULL)
393         ret = ((*vp->v_op->vop_write))(vp, uiop, ioflag, cr, ct);
394     else
395         ret = fsh_next_write(list->fshl_head, vp, uiop, ioflag,
396                             cr, ct);
397     rw_exit(&list->fshl_lock);
399     return (ret);
400 }

402 int
403 fsh_mount(vfs_t *vfsp, vnode_t *mvp, struct mounta *uap, cred_t *cr)
404 {
405     fsh_list_t *list;
406     int ret;

408     list = &FSH_GET_FSRECP(vfsp)->fshfsr_opv[FSH_VFS_MOUNT];
404     list = &FSH_GET_FSREC(vfsp)->fshfsr_opv[FSH_VFS_MOUNT];
409     rw_enter(&list->fshl_lock, RW_READER);
410     if (list->fshl_head == NULL)
411         ret = (*(vfsp->vfs_op->vfs_mount))(vfsp, mvp, uap, cr);
412     else
413         ret = fsh_next_mount(list->fshl_head, vfsp, mvp, uap,
414                             cr);
415     rw_exit(&list->fshl_lock);

417     return (ret);
418 }

420 int
421 fsh_unmount(vfs_t *vfsp, int flag, cred_t *cr)
422 {
423     fsh_list_t *list;
424     int ret;

426     list = &FSH_GET_FSRECP(vfsp)->fshfsr_opv[FSH_VFS_UNMOUNT];
422     list = &FSH_GET_FSREC(vfsp)->fshfsr_opv[FSH_VFS_UNMOUNT];
427     rw_enter(&list->fshl_lock, RW_READER);
428     if (list->fshl_head == NULL)
429         ret = (*(vfsp->vfs_op->vfs_unmount))(vfsp, flag, cr);
430     else
431         ret = fsh_next_unmount(list->fshl_head, vfsp, flag, cr);
432     rw_exit(&list->fshl_lock);

434     return (ret);
435 }

437 int
438 fsh_root(vfs_t *vfsp, vnode_t **vpp)
439 {
440     fsh_list_t *list;
441     int ret;

443     list = &FSH_GET_FSRECP(vfsp)->fshfsr_opv[FSH_VFS_ROOT];
439     list = &FSH_GET_FSREC(vfsp)->fshfsr_opv[FSH_VFS_ROOT];
444     rw_enter(&list->fshl_lock, RW_READER);
445     if (list->fshl_head == NULL)
446         ret = (*(vfsp->vfs_op->vfs_root))(vfsp, vpp);
447     else
448         ret = fsh_next_root(list->fshl_head, vfsp, vpp);
449     rw_exit(&list->fshl_lock);

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451     return (ret);
452 }

454 int
455 fsh_statfs(vfs_t *vfsp, statvfs64_t *sp)
456 {
457     fsh_list_t *list;
458     int ret;

460     list = &FSH_GET_FSRECP(vfsp)->fshfsr_opv[FSH_VFS_STATFS];
456     list = &FSH_GET_FSREC(vfsp)->fshfsr_opv[FSH_VFS_STATFS];
461     rw_enter(&list->fshl_lock, RW_READER);
462     if (list->fshl_head == NULL)
463         ret = (*(vfsp->vfs_op->vfs_statvfs))(vfsp, sp);
464     else
465         ret = fsh_next_statfs(list->fshl_head, vfsp, sp);
466     rw_exit(&list->fshl_lock);

468     return (ret);
469 }

471 int
472 fsh_vget(vfs_t *vfsp, vnode_t **vpp, fid_t *fidp)
473 {
474     fsh_list_t *list;
475     int ret;

477     list = &FSH_GET_FSRECP(vfsp)->fshfsr_opv[FSH_VFS_VGET];
473     list = &FSH_GET_FSREC(vfsp)->fshfsr_opv[FSH_VFS_VGET];
478     rw_enter(&list->fshl_lock, RW_READER);
479     if (list->fshl_head == NULL)
480         ret = (*(vfsp->vfs_op->vfs_vget))(vfsp, vpp, fidp);
481     else
482         ret = fsh_next_vget(list->fshl_head, vfsp, vpp, fidp);
483     rw_exit(&list->fshl_lock);

485     return (ret);
486 }

_____unchanged_portion_omitted_____

520 /* To be used ONLY in vfs_alloc() */
521 struct fsh_fsrecord *
522 fsh_fsrec_create()
523 {
524     struct fsh_fsrecord *fsrecp;
525     int i;

527     fsrecp = (fsh_fsrecord_t *) kmem_alloc(sizeof (*fsrecp), KM_SLEEP);
528     bzero(fsrecp, sizeof (*fsrecp));

530     rw_init(&fsrecp->fshfsr_en_lock, NULL, RW_DRIVER, NULL);
531     fsrecp->fshfsr_enabled = 0; // DEBUG
527     fsrecp->fshfsr_enabled = 1;

533     for (i = 0; i < FSH_SUPPORTED_OPS_COUNT; i++)
534         rw_init(&fsrecp->fshfsr_opv[i].fshl_lock, NULL, RW_DRIVER,
535               NULL);
536     return (fsrecp);
532     return fsrecp;
537 }

_____unchanged_portion_omitted_____

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```

*****
22739 Mon Jul 22 19:15:36 2013
new/usr/src/uts/common/sys/Makefile
fixes to fsh
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
23 #

25 include $(SRC)/uts/Makefile.uts

27 FILEMODE=644

29 #
30 # Note that the following headers are present in the kernel but
31 # neither installed or shipped as part of the product:
32 # cpuid_drv.h: Private interface for cpuid consumers
33 # unix_bb_info.h: Private interface to kcov
34 #

36 i386_HDRS= \
37 agp/agpamd64gart_io.h \
38 agp/agpdefs.h \
39 agp/agpgart_impl.h \
40 agp/agpmaster_io.h \
41 agp/agptarget_io.h \
42 agpgart.h \
43 asy.h \
44 fd_debug.h \
45 fdc.h \
46 fdmedia.h \
47 mouse.h \
48 ucode.h

50 sparc_HDRS= \
51 mouse.h \
52 scsi/targets/ssddef.h \
53 $(MDESCHDRS)

55 # Generated headers
56 GENHDRS= \
57 priv_const.h \
58 priv_names.h \
59 usb/usbdevs.h

61 CHKHDRS= \

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62 acpi_drv.h \
63 acct.h \
64 acctctl.h \
65 acl.h \
66 acl_impl.h \
67 aggr.h \
68 aggr_impl.h \
69 aio.h \
70 aio_impl.h \
71 aio_req.h \
72 aiocb.h \
73 ascii.h \
74 asynch.h \
75 atomic.h \
76 attr.h \
77 audio.h \
78 audioio.h \
79 autoconf.h \
80 auxv.h \
81 auxv_386.h \
82 auxv_SPARC.h \
83 avl.h \
84 avl_impl.h \
85 bitmap.h \
86 bitset.h \
87 bl.h \
88 blkdev.h \
89 bofi.h \
90 bofi_impl.h \
91 bpp_io.h \
92 bootstat.h \
93 brand.h \
94 buf.h \
95 bufmod.h \
96 bustypes.h \
97 byteorder.h \
98 callb.h \
99 callo.h \
100 cap_util.h \
101 cpucaps.h \
102 cpucaps_impl.h \
103 ccompile.h \
104 cdio.h \
105 cladm.h \
106 class.h \
107 clconf.h \
108 clock_impl.h \
109 cmlb.h \
110 cmn_err.h \
111 compress.h \
112 condvar.h \
113 condvar_impl.h \
114 conf.h \
115 consdev.h \
116 console.h \
117 consplat.h \
118 vt.h \
119 vtdaemon.h \
120 kd.h \
121 contract.h \
122 contract_impl.h \
123 copyops.h \
124 core.h \
125 corectl.h \
126 cpc_impl.h \
127 cpc_pcbe.h \

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128     cpr.h                \|
129     cpupart.h           \|
130     cpuvar.h            \|
131     crc32.h             \|
132     cred.h              \|
133     cred_impl.h        \|
134     crtctl.h            \|
135     cryptmod.h          \|
136     csiiioctl.h        \|
137     ctf.h               \|
138     ctfs.h              \|
139     ctfs_impl.h        \|
140     ctf_api.h           \|
141     ctype.h             \|
142     cyclic.h            \|
143     cyclic_impl.h      \|
144     dacf.h              \|
145     dacf_impl.h        \|
146     damap.h             \|
147     damap_impl.h       \|
148     dc_ki.h             \|
149     ddi.h               \|
150     ddifm.h             \|
151     ddifm_impl.h       \|
152     ddi_hp.h            \|
153     ddi_hp_impl.h      \|
154     ddi_intr.h         \|
155     ddi_intr_impl.h    \|
156     ddi_impldefs.h     \|
157     ddi_implfuncs.h    \|
158     ddi_obsolete.h     \|
159     ddi_timer.h        \|
160     ddidevmap.h         \|
161     ddidmareq.h        \|
162     ddimapreq.h        \|
163     ddipropdefs.h     \|
164     dditypes.h          \|
165     debug.h             \|
166     des.h               \|
167     devctl.h           \|
168     devcache.h         \|
169     devcache_impl.h    \|
170     devfm.h             \|
171     devid_cache.h      \|
172     devinfo_impl.h     \|
173     devops.h            \|
174     devpolicy.h        \|
175     devpoll.h          \|
176     dirent.h           \|
177     disp.h              \|
178     dkbad.h            \|
179     dkio.h              \|
180     dklabel.h          \|
181     dl.h                \|
182     dlpi.h              \|
183     dld.h               \|
184     dld_impl.h         \|
185     dld_ioc.h          \|
186     dls.h               \|
187     dls_mgmt.h         \|
188     dls_impl.h         \|
189     dma_i8237A.h       \|
190     dnlc.h              \|
191     door.h              \|
192     door_data.h        \|
193     door_impl.h        \|

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194     dtrace.h            \|
195     dtrace_impl.h      \|
196     dumpadm.h          \|
197     dumphdr.h          \|
198     ecppsys.h          \|
199     ecppio.h           \|
200     ecppreg.h          \|
201     ecppvar.h          \|
202     efi_partition.h    \|
203     elf.h               \|
204     elf_386.h          \|
205     elf_SPARC.h        \|
206     elf_notes.h        \|
207     elf_amd64.h        \|
208     elftypes.h         \|
209     emul64.h           \|
210     emul64cmd.h        \|
211     emul64var.h        \|
212     epm.h               \|
213     errno.h            \|
214     errorq.h           \|
215     errorq_impl.h      \|
216     esunddi.h          \|
217     ethernet.h         \|
218     euc.h               \|
219     eucliocntl.h       \|
220     exacctl.h          \|
221     exacctl_catalog.h  \|
222     exacctl_impl.h     \|
223     exec.h              \|
224     exechnr.h          \|
225     extdirent.h        \|
226     fault.h            \|
227     fasttrap.h         \|
228     fasttrap_impl.h   \|
229     fbio.h             \|
230     fbuf.h              \|
231     fcntl.h            \|
232     fct.h               \|
233     fct_defines.h      \|
234     fctio.h            \|
235     fdbuffer.h         \|
236     fdio.h              \|
237     feature_tests.h    \|
238     fem.h               \|
239     file.h              \|
240     filio.h            \|
241     flock.h            \|
242     flock_impl.h       \|
243     fork.h              \|
244     fsh.h               \|
245     fsh_impl.h         \|
246     fsd.h               \|
247     fsd_impl.h         \|
248     fss.h               \|
249     fssprIOCntl.h      \|
250     fsid.h              \|
251     fssnap.h           \|
252     fssnap_if.h        \|
253     fstyp.h             \|
254     ftrace.h           \|
255     fx.h                \|
256     fxprIOCntl.h       \|
257     gfs.h               \|

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```

258     group.h          \|
259     hdio.h           \|
260     hook.h           \|
261     hook_event.h    \|
262     hook_impl.h     \|
263     hwconf.h        \|
264     ia.h             \|
265     iapriocntl.h    \|
266     ibpart.h        \|
267     id32.h          \|
268     idmap.h         \|
269     ieeeep.h        \|
270     id_space.h      \|
271     instance.h      \|
272     int_const.h     \|
273     int_fmtio.h     \|
274     int_limits.h   \|
275     int_types.h     \|
276     inttypes.h      \|
277     ioccom.h        \|
278     ioctl.h         \|
279     ipc.h           \|
280     ipc_impl.h      \|
281     ipc_rctl.h      \|
282     ipmi.h          \|
283     isa_defs.h      \|
284     iscsi_authclient.h \|
285     iscsi_authclientglue.h \|
286     iscsi_protocol.h \|
287     jioctl.h        \|
288     kbd.h           \|
289     kbdreg.h        \|
290     kbio.h          \|
291     kcpc.h          \|
292     kdi.h           \|
293     kdi_impl.h     \|
294     kiconv.h        \|
295     kiconv_big5_utf8.h \|
296     kiconv_ckk_common.h \|
297     kiconv_cp950hkscs_utf8.h \|
298     kiconv_emeal.h \|
299     kiconv_emea2.h \|
300     kiconv_euckr_utf8.h \|
301     kiconv_euctw_utf8.h \|
302     kiconv_gb18030_utf8.h \|
303     kiconv_gb2312_utf8.h \|
304     kiconv_hkscs_utf8.h \|
305     kiconv_ja.h     \|
306     kiconv_ja_jis_to_unicode.h \|
307     kiconv_ja_unicode_to_jis.h \|
308     kiconv_ko.h     \|
309     kiconv_latin1.h \|
310     kiconv_sc.h     \|
311     kiconv_tc.h     \|
312     kiconv_uhc_utf8.h \|
313     kiconv_utf8_big5.h \|
314     kiconv_utf8_cp950hkscs.h \|
315     kiconv_utf8_euckr.h \|
316     kiconv_utf8_euctw.h \|
317     kiconv_utf8_gb18030.h \|
318     kiconv_utf8_gb2312.h \|
319     kiconv_utf8_hkscs.h \|
320     kiconv_utf8_uhc.h \|
321     kidmap.h        \|
322     klpd.h          \|
323     klwp.h          \|

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```

324     kmdb.h          \|
325     kmem.h          \|
326     kmem_impl.h    \|
327     kobj.h          \|
328     kobj_impl.h    \|
329     ksocket.h       \|
330     kstat.h         \|
331     kstr.h          \|
332     ksyms.h         \|
333     ksynch.h       \|
334     ldterm.h       \|
335     lgrp.h          \|
336     lgrp_user.h    \|
337     libc_kernel.h  \|
338     link.h          \|
339     list.h          \|
340     list_impl.h    \|
341     llcl.h          \|
342     loadavg.h       \|
343     lock.h          \|
344     lockfs.h        \|
345     lockstat.h     \|
346     lofi.h          \|
347     log.h           \|
348     logindmux.h     \|
349     logindmux_impl.h \|
350     lwp.h           \|
351     lwp_timer_impl.h \|
352     lwp_upimutex_impl.h \|
353     lpif.h          \|
354     mac.h           \|
355     mac_client.h    \|
356     mac_client_impl.h \|
357     mac_ether.h     \|
358     mac_flow.h      \|
359     mac_flow_impl.h \|
360     mac_impl.h      \|
361     mac_provider.h  \|
362     mac_soft_ring.h \|
363     mac_stat.h      \|
364     machelf.h       \|
365     map.h           \|
366     md4.h           \|
367     md5.h           \|
368     md5_consts.h   \|
369     mdi_impldefs.h \|
370     mem.h           \|
371     mem_config.h   \|
372     memlist.h       \|
373     mkdev.h         \|
374     mhd.h           \|
375     mii.h           \|
376     miiregs.h       \|
377     mixer.h         \|
378     mman.h          \|
379     mmapobj.h       \|
380     mntent.h        \|
381     mntio.h         \|
382     mnttab.h        \|
383     modctl.h        \|
384     mode.h          \|
385     model.h         \|
386     modhash.h       \|
387     modhash_impl.h \|
388     mount.h         \|
389     mouse.h         \|

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390      msacct.h      \|
391      msg.h         \|
392      msg_impl.h   \|
393      msio.h       \|
394      msreg.h      \|
395      mtio.h       \|
396      multidata.h  \|
397      multidata_impl.h \|
398      mutex.h      \|
399      nbmlock.h    \|
400      ndifm.h      \|
401      ndi_impldefs.h \|
402      net80211.h   \|
403      net80211_crypto.h \|
404      net80211_ht.h \|
405      net80211_proto.h \|
406      netconfig.h  \|
407      neti.h       \|
408      netstack.h   \|
409      nexusdefs.h  \|
410      note.h       \|
411      nvpair.h     \|
412      nvpair_impl.h \|
413      objfs.h      \|
414      objfs_impl.h \|
415      ontrap.h     \|
416      open.h       \|
417      openpromio.h \|
418      panic.h     \|
419      param.h      \|
420      pathconf.h   \|
421      pathname.h   \|
422      pattr.h      \|
423      queue.h      \|
424      serializer.h \|
425      pbio.h       \|
426      pccard.h     \|
427      pci.h        \|
428      pcie.h       \|
429      pci_impl.h   \|
430      pci_tools.h  \|
431      pcmcia.h     \|
432      pctypes.h    \|
433      pfmod.h      \|
434      pg.h         \|
435      pghw.h       \|
436      physmem.h   \|
437      pkp_hash.h  \|
438      pm.h         \|
439      policy.h     \|
440      poll.h       \|
441      poll_impl.h  \|
442      pool.h       \|
443      pool_impl.h  \|
444      pool_pset.h  \|
445      port.h       \|
446      port_impl.h  \|
447      port_kernel.h \|
448      portif.h     \|
449      ppmio.h      \|
450      pppt_ic_if.h \|
451      pppt_ioctl.h \|
452      priocntl.h   \|
453      priv.h       \|
454      priv_impl.h  \|
455      prnio.h      \|

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456      proc.h       \|
457      processor.h  \|
458      procfs.h     \|
459      procset.h    \|
460      project.h    \|
461      protosw.h    \|
462      prsystem.h   \|
463      pset.h       \|
464      pshot.h      \|
465      ptem.h       \|
466      ptms.h       \|
467      ptyvar.h     \|
468      raidioctl.h  \|
469      ramdisk.h    \|
470      random.h     \|
471      rctl.h       \|
472      rctl_impl.h  \|
473      rds.h        \|
474      reboot.h     \|
475      refstr.h     \|
476      refstr_impl.h \|
477      resource.h   \|
478      rliocntl.h  \|
479      rt.h         \|
480      rtpriocntl.h \|
481      rwlock.h     \|
482      rwlock_impl.h \|
483      rwstlock.h   \|
484      sad.h        \|
485      schedctl.h   \|
486      sdt.h        \|
487      select.h     \|
488      sem.h        \|
489      sem_impl.h   \|
490      sema_impl.h  \|
491      semaphore.h  \|
492      sendfile.h   \|
493      ser_sync.h   \|
494      session.h    \|
495      sha1.h       \|
496      sha1_consts.h \|
497      sha2.h       \|
498      sha2_consts.h \|
499      share.h      \|
500      shm.h        \|
501      shm_impl.h   \|
502      sid.h        \|
503      siginfo.h    \|
504      signal.h     \|
505      sleepg.h     \|
506      smbios.h     \|
507      smbios_impl.h \|
508      subject.h    \|
509      socket.h     \|
510      socket_impl.h \|
511      socket_proto.h \|
512      socketvar.h  \|
513      sockfilter.h \|
514      sockio.h     \|
515      soundcard.h  \|
516      queue.h      \|
517      queue_impl.h \|
518      srn.h        \|
519      sservice.h   \|
520      stat.h       \|
521      statfs.h     \|

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522 statvfs.h \
523 stdbool.h \
524 stdint.h \
525 stermio.h \
526 stmf.h \
527 stmf_defines.h \
528 stmf_ioctl.h \
529 stmf_sbd_ioctl.h \
530 stream.h \
531 strft.h \
532 strlog.h \
533 strmddep.h \
534 stropts.h \
535 strredir.h \
536 strstat.h \
537 strsubr.h \
538 strsun.h \
539 strtty.h \
540 sunddi.h \
541 sunldi.h \
542 sunldi_impl.h \
543 sunmdi.h \
544 sunndi.h \
545 sunos_dhcp_class.h \
546 sunpm.h \
547 suntpl.h \
548 suntty.h \
549 swap.h \
550 synch.h \
551 sysdc.h \
552 sysdc_impl.h \
553 syscall.h \
554 sysconf.h \
555 sysconfig.h \
556 sysevent.h \
557 sysevent_impl.h \
558 sysinfo.h \
559 syslog.h \
560 sysmacros.h \
561 sysmsg_impl.h \
562 systeminfo.h \
563 system.h \
564 task.h \
565 taskq.h \
566 taskq_impl.h \
567 t_kuser.h \
568 t_lock.h \
569 telioctl.h \
570 termio.h \
571 termios.h \
572 termiox.h \
573 thread.h \
574 ticlts.h \
575 ticots.h \
576 ticotsord.h \
577 tihdr.h \
578 time.h \
579 time_impl.h \
580 time_std_impl.h \
581 timeb.h \
582 timer.h \
583 times.h \
584 timex.h \
585 timod.h \
586 tirdwr.h \
587 tiuser.h \

```

```

588 tl.h \
589 tnf.h \
590 tnf_com.h \
591 tnf_probe.h \
592 tnf_writer.h \
593 todio.h \
594 tpicommon.h \
595 ts.h \
596 tspriocntl.h \
597 ttcompat.h \
598 ttold.h \
599 tty.h \
600 ttychars.h \
601 ttydev.h \
602 tuneable.h \
603 turnstile.h \
604 types.h \
605 types32.h \
606 tzfile.h \
607 u8_textprep.h \
608 u8_textprep_data.h \
609 uadmin.h \
610 ucred.h \
611 uio.h \
612 ulimit.h \
613 un.h \
614 unistd.h \
615 user.h \
616 ustat.h \
617 utime.h \
618 utsname.h \
619 utssys.h \
620 uuid.h \
621 va_impl.h \
622 va_list.h \
623 var.h \
624 varargs.h \
625 vfs.h \
626 vfs_opreg.h \
627 vfstab.h \
628 vgareg.h \
629 videodev2.h \
630 visual_io.h \
631 vlan.h \
632 vm.h \
633 vm_usage.h \
634 vmem.h \
635 vmem_impl.h \
636 vmsystem.h \
637 vnic.h \
638 vnic_impl.h \
639 vnode.h \
640 vscan.h \
641 vtoc.h \
642 vtrace.h \
643 vuid_event.h \
644 vuid_wheel.h \
645 vuid_queue.h \
646 vuid_state.h \
647 vuid_store.h \
648 wait.h \
649 waitq.h \
650 wanboot_impl.h \
651 watchpoint.h \
652 winlockio.h \
653 zcons.h \

```


new/usr/src/uts/common/sys/Makefile

```

654     zone.h          \
655     xti_inet.h     \
656     xti_osi.h      \
657     xti_xtiopt.h  \
658     zmod.h         \

660 HDRS=             \
661     $(GENHDRS)     \
662     $(CHKHDRS)    \

664 AUDIOHDRS=       \
665     ac97.h         \
666     audio_common.h \
667     audio_driver.h \
668     audio_oss.h    \
669     g711.h         \

671 AVHDRS=           \
672     iec61883.h    \

674 BSCHDRS=         \
675     bscbus.h      \
676     bscv_impl.h   \
677     lom_ebuscodes.h \
678     lom_io.h       \
679     lom_priv.h     \
680     lombus.h      \

682 MDESCHDRS=       \
683     mdesc.h        \
684     mdesc_impl.h  \

686 CPUDRVHDRS=      \
687     cpudrv.h      \

689 CRYPTOHDRS=      \
690     elfsign.h     \
691     ioctl.h       \
692     ioctladmin.h  \
693     common.h      \
694     impl.h        \
695     spi.h         \
696     api.h         \
697     ops_impl.h    \
698     sched_impl.h  \

700 DCAMHDRS=        \
701     dcam1394_io.h \

703 IBHDRS=          \
704     ib_types.h    \
705     ib_pkt_hdrs.h \

707 IBTLHDRS=        \
708     ibtl_types.h  \
709     ibtl_status.h \
710     ibti.h        \
711     ibti_cm.h     \
712     ibci.h        \
713     ibti_common.h \
714     ibvti.h       \
715     ibtl_ci_types.h \

717 IBTLIMPLHDRS=    \
718     ibtl_util.h   \

```

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new/usr/src/uts/common/sys/Makefile

```

720 IBNEXHDRS=       \
721     ibnex_devctl.h \

723 IBMFHDRS=        \
724     ibmf.h         \
725     ibmf_msg.h     \
726     ibmf_saa.h     \
727     ibmf_utils.h   \

729 IBMGTHDRS=       \
730     ib_dm_attr.h   \
731     ib_mad.h       \
732     sm_attr.h      \
733     sa_recs.h      \

735 IBDHDRS=         \
736     ibd.h          \

738 OFHDRS=          \
739     ofa_solaris.h  \
740     ofed_kernel.h  \

742 RDMAHDRS=        \
743     ib_addr.h      \
744     ib_user_mad.h  \
745     ib_user_sa.h   \
746     ib_user_verbs.h \
747     ib_verbs.h     \
748     rdma_cm.h      \
749     rdma_user_cm.h \

751 SOL_UVERBSHDRS=  \
752     sol_uverbs.h   \
753     sol_uverbs2ucma.h \
754     sol_uverbs_comp.h \
755     sol_uverbs_hca.h \
756     sol_uverbs_qp.h \
757     sol_uverbs_event.h \

759 SOL_UMADHDRS=    \
760     sol_umad.h     \

762 SOL_UCMAHDRS=    \
763     sol_ucma.h     \
764     sol_rdma_user_cm.h \

766 SOL_OFSHDRS=     \
767     sol_cma.h      \
768     sol_ib_cma.h   \
769     sol_ofs_common.h \
770     sol_kverb_impl.h \

772 TAVORHDRS=       \
773     tavor_ioctl.h \

775 HERMONHDRS=      \
776     hermon_ioctl.h \

778 MLNXHDRS=        \
779     mlnx_umap.h    \

781 IDMHDRS=         \
782     idm.h          \
783     idm_impl.h     \
784     idm_so.h       \
785     idm_text.h     \

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```

786     idm_transport.h \
787     idm_conn_sm.h

789 ISCSITHDRS= \
790     radius_packet.h \
791     radius_protocol.h \
792     chap.h \
793     isns_protocol.h \
794     iscsi_if.h \
795     iscsit_common.h

797 ISOHDRS= \
798     signal_iso.h

800 DERIVED_LVMHDRS= \
801     md_mdiox.h \
802     md_basic.h \
803     mdmed.h \
804     md_mhdx.h \
805     mdmn_commd.h

807 LVMHDRS= \
808     md_convert.h \
809     md_crc.h \
810     md_hotspares.h \
811     md_mddb.h \
812     md_mirror.h \
813     md_mirror_shared.h \
814     md_names.h \
815     md_notify.h \
816     md_raid.h \
817     md_rename.h \
818     md_sp.h \
819     md_stripe.h \
820     md_trans.h \
821     mdio.h \
822     mdvar.h

824 ALL_LVMHDRS= \
825     $(LVMHDRS) \
826     $(DERIVED_LVMHDRS)

828 FMHDRS= \
829     protocol.h \
830     util.h

832 FMFSHDRS= \
833     zfs.h

835 FMIOHDRS= \
836     ddi.h \
837     disk.h \
838     pci.h \
839     scsi.h \
840     sun4upci.h \
841     opl_mc_fm.h

843 FSHDRS= \
844     autofs.h \
845     cachefs_dir.h \
846     cachefs_dlog.h \
847     cachefs_filegrp.h \
848     cachefs_fs.h \
849     cachefs_fscache.h \
850     cachefs_ioctl.h \
851     cachefs_log.h

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```

852     decomp.h \
853     dv_node.h \
854     sdev_impl.h \
855     fifonode.h \
856     hsfs_isospec.h \
857     hsfs_node.h \
858     hsfs_rrip.h \
859     hsfs_spec.h \
860     hsfs_susp.h \
861     lofs_info.h \
862     lofs_node.h \
863     mntdata.h \
864     namenode.h \
865     pc_dir.h \
866     pc_fs.h \
867     pc_label.h \
868     pc_node.h \
869     pxfs_ki.h \
870     snode.h \
871     swapnode.h \
872     tmp.h \
873     tmpnode.h \
874     udf_inode.h \
875     udf_volume.h \
876     ufs_acl.h \
877     ufs_bio.h \
878     ufs_filio.h \
879     ufs_fs.h \
880     ufs_fmdir.h \
881     ufs_inode.h \
882     ufs_lockfs.h \
883     ufs_log.h \
884     ufs_mount.h \
885     ufs_panic.h \
886     ufs_prot.h \
887     ufs_quota.h \
888     ufs_snap.h \
889     ufs_trans.h \
890     zfs.h \
891     zut.h

893 PCMCIAHDRS= \
894     pcata.h \
895     pcser_conf.h \
896     pcser_io.h \
897     pcser_reg.h \
898     pcser_manuspec.h \
899     pcser_var.h

901 SCSIHDRS= \
902     scsi.h \
903     scsi_address.h \
904     scsi_ctl.h \
905     scsi_fm.h \
906     scsi_params.h \
907     scsi_pkt.h \
908     scsi_resource.h \
909     scsi_types.h \
910     scsi_watch.h

912 SCSSICONFHDRS= \
913     autoconf.h \
914     device.h

916 SCSSIGENHDRS= \
917     commands.h

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```

918     dad_mode.h      \
919     inquiry.h       \
920     message.h        \
921     mode.h           \
922     persist.h        \
923     sense.h          \
924     sff_frames.h     \
925     smp_frames.h     \
926     status.h         \

928 SCISIIMPLHDRS=     \
929     commands.h      \
930     inquiry.h       \
931     mode.h           \
932     scsi_reset_notify.h \
933     scsi_sas.h       \
934     sense.h          \
935     services.h       \
936     smp_transport.h \
937     spc3_types.h     \
938     status.h         \
939     transport.h      \
940     types.h          \
941     uscsi.h          \
942     usmp.h           \

944 SCISITARGETSHDRS= \
945     ses.h            \
946     sesio.h          \
947     sgendef.h        \
948     stdef.h          \
949     sddef.h          \
950     smp.h            \

952 SCISIADHDRS=

954 SCISICADHDRS=

956 SCISIISCSIHDRS=   \
957     iscsi_door.h    \
958     iscsi_if.h      \

960 SCISIVHCIHDRS=    \
961     scsi_vhci.h     \
962     mpapi_impl.h    \
963     mpapi_scsi_vhci.h \

965 SDCARDHDRS=       \
966     sda.h            \
967     sda_impl.h       \
968     sda_ioctl.h     \

970 FC4HDRS=          \
971     fc_transport.h   \
972     linkapp.h        \
973     fc.h              \
974     fcp.h            \
975     fcal_transport.h \
976     fcal.h           \
977     fcal_linkapp.h   \
978     fcio.h           \

980 FCHDRS=            \
981     fc.h              \
982     fcio.h            \
983     fc_types.h       \

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```

984     fc_appif.h      \

986 FCIMPLHDRS=        \
987     fc_error.h      \
988     fcph.h           \

990 FCULPHDRS=         \
991     fcp_util.h      \
992     fcsn.h           \

994 SATAGENHDRS=       \
995     sata_hba.h       \
996     sata_defs.h     \
997     sata_cfgadm.h   \

999 SYSEVENTHDRS=      \
1000     ap_driver.h     \
1001     dev.h            \
1002     domain.h         \
1003     dr.h             \
1004     env.h            \
1005     eventdefs.h     \
1006     ipmp.h           \
1007     pwrctl.h         \
1008     svm.h            \
1009     vrrp.h           \

1011 CONTRACTHDRS=      \
1012     process.h        \
1013     process_impl.h   \
1014     device.h         \
1015     device_impl.h   \

1017 USBHDRS=            \
1018     usba.h           \
1019     usbai.h          \

1021 UWBHDRS=            \
1022     uwb.h            \
1023     uwbai.h         \

1025 UWBAHDRS=          \
1026     uwba.h           \

1028 USBAUDHDRS=         \
1029     usb_audio.h     \

1031 USBHUBDHDRS=        \
1032     hub.h            \
1033     hubd_impl.h     \

1035 USBHIDHDRS=         \
1036     hid.h            \

1038 USBHWARDHDRS=       \
1039     hwarc.h          \

1041 USBMSHDRS=          \
1042     usb_bulkonly.h  \
1043     usb_cbi.h       \

1045 USBPRNHDRS=         \
1046     usb_printer.h   \

1048 USBDCDCHDRS=        \
1049     usb_cdc.h       \

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1051 USBVIDHDRS= \
1052     usbvc.h \

1054 USBWCMHDRS= \
1055     usbwcm.h \

1057 UGENHDRS= \
1058     usb_ugen.h \

1060 HOTPLUGHDRS= \
1061     hpcsvc.h \
1062     hpctrl.h \

1064 HOTPLUGPCIHDRS= \
1065     pcicfg.h \
1066     pcihp.h \

1068 RSMHDRS= \
1069     rsm.h \
1070     rsm_common.h \
1071     rsmapi_common.h \
1072     rsmapi.h \
1073     rsmapi_driver.h \
1074     rsmka_path_int.h \

1076 TSOLHDRS= \
1077     label.h \
1078     label_macro.h \
1079     priv.h \
1080     tndb.h \
1081     tsyscall.h \

1083 I1394HDRS= \
1084     cmd1394.h \
1085     id1394.h \
1086     ieee1212.h \
1087     ieee1394.h \
1088     ixl1394.h \
1089     sl1394_impl.h \
1090     tl1394.h \

1092 # "cmdk" headers used on sparc
1093 SDKTPHDRS= \
1094     dadkio.h \
1095     fdisk.h \

1097 # "cmdk" headers used on i386
1098 DKTPHDRS= \
1099     altsctr.h \
1100     bbh.h \
1101     cm.h \
1102     cmdev.h \
1103     cmdk.h \
1104     cmpkt.h \
1105     controller.h \
1106     dadev.h \
1107     dadk.h \
1108     dadkio.h \
1109     fctypes.h \
1110     fdisk.h \
1111     flowctrl.h \
1112     gda.h \
1113     quetypes.h \
1114     queue.h \
1115     tgcom.h \

```

```

1116     tgdk.h \

1118 # "pc" header files used on i386
1119 PCHDRS= \
1120     avintr.h \
1121     dma_engine.h \
1122     i8272A.h \
1123     pcic_reg.h \
1124     pcic_var.h \
1125     pic.h \
1126     pit.h \
1127     rtc.h \

1129 NXGEHDRS= \
1130     nxge.h \
1131     nxge_common.h \
1132     nxge_common_impl.h \
1133     nxge_defs.h \
1134     nxge_hw.h \
1135     nxge_impl.h \
1136     nxge_ipp.h \
1137     nxge_ipp_hw.h \
1138     nxge_mac.h \
1139     nxge_mac_hw.h \
1140     nxge_fflp.h \
1141     nxge_fflp_hw.h \
1142     nxge_mii.h \
1143     nxge_rxdma.h \
1144     nxge_rxdma_hw.h \
1145     nxge_txc.h \
1146     nxge_txc_hw.h \
1147     nxge_txdma.h \
1148     nxge_txdma_hw.h \
1149     nxge_virtual.h \
1150     nxge_espc.h \

1152 include Makefile.syshdrs

1154 dcam/%.check: dcam/%.h
1155     $(DOT_H_CHECK)

1157 CHECKHDRS= \
1158     $( $(MACH)_HDRS:%.h=%.check) \
1159     $(AUDIOHDRS:%.h=audio/%.check) \
1160     $(AVHDRS:%.h=av/%.check) \
1161     $(BSCHDRS:%.h=%.check) \
1162     $(CHKHDRS:%.h=%.check) \
1163     $(CPUDRVHDRS:%.h=%.check) \
1164     $(CRYPTOHDRS:%.h=crypto/%.check) \
1165     $(DCAMHDRS:%.h=dcam/%.check) \
1166     $(FC4HDRS:%.h=fc4/%.check) \
1167     $(FCHDRS:%.h=fibre-channel/%.check) \
1168     $(FCIMPLHDRS:%.h=fibre-channel/impl/%.check) \
1169     $(FCULPHDRS:%.h=fibre-channel/ulp/%.check) \
1170     $(IBHDRS:%.h=ib/%.check) \
1171     $(IBDHDRS:%.h=ib/clients/ibd/%.check) \
1172     $(IBTLHDRS:%.h=ib/ibt1/%.check) \
1173     $(IBTLIMPLHDRS:%.h=ib/ibt1/impl/%.check) \
1174     $(IBNEXHDRS:%.h=ib/ibnex/%.check) \
1175     $(IBMGTHDRS:%.h=ib/mgt/%.check) \
1176     $(IBMPHDRS:%.h=ib/mgt/ibmf/%.check) \
1177     $(OFHDRS:%.h=ib/clients/of/%.check) \
1178     $(RDMAHDRS:%.h=ib/clients/of/rdma/%.check) \
1179     $(SOL_UVERBSHDRS:%.h=ib/clients/of/sol_uverbs/%.check) \
1180     $(SOL_UCMAHDRS:%.h=ib/clients/of/sol_ucma/%.check) \
1181     $(SOL_OFSHDRS:%.h=ib/clients/of/sol_ofs/%.check) \

```

```

1182 $(TAVORHDRS:%.h=ib/adapters/tavor/%.check) \
1183 $(HERMONHDRS:%.h=ib/adapters/hermon/%.check) \
1184 $(MLNXHDRS:%.h=ib/adapters/%.check) \
1185 $(IDMHDRS:%.h=idm/%.check) \
1186 $(ISCSIHDRS:%.h=iscsi/%.check) \
1187 $(ISCSITHDRS:%.h=iscsit/%.check) \
1188 $(ISOHDRS:%.h=iso/%.check) \
1189 $(FMHDRS:%.h=fm/%.check) \
1190 $(FMFSDHDRS:%.h=fm/fs/%.check) \
1191 $(FMIOHDRS:%.h=fm/io/%.check) \
1192 $(FSHDRS:%.h=fs/%.check) \
1193 $(LVMHDRS:%.h=lvm/%.check) \
1194 $(PCMCIAHDRS:%.h=pcmcia/%.check) \
1195 $(SCSIHDRS:%.h=scsi/%.check) \
1196 $(SCSIADHDRS:%.h=scsi/adapters/%.check) \
1197 $(SCSICONFHDRS:%.h=scsi/conf/%.check) \
1198 $(SCSIIMPLHDRS:%.h=scsi/impl/%.check) \
1199 $(SCSIISCSIHDRS:%.h=scsi/adapters/%.check) \
1200 $(SCSIGHDRS:%.h=scsi/generic/%.check) \
1201 $(SCSITARGETSHDRS:%.h=scsi/targets/%.check) \
1202 $(SCSIVHCIHDRS:%.h=scsi/adapters/%.check) \
1203 $(SATAGENHDRS:%.h=sata/%.check) \
1204 $(SDCARDHDRS:%.h=sdcard/%.check) \
1205 $(SYSEVENTHDRS:%.h=sysevent/%.check) \
1206 $(CONTRACTHDRS:%.h=contract/%.check) \
1207 $(USBAUDHDRS:%.h=usb/clients/audio/%.check) \
1208 $(USBHUBDHDRS:%.h=usb/hubd/%.check) \
1209 $(USBHIDHDRS:%.h=usb/clients/hid/%.check) \
1210 $(USBHWARDHDRS:%.h=usb/clients/hwarc/%.check) \
1211 $(USBMSHDRS:%.h=usb/clients/mass_storage/%.check) \
1212 $(USBPRNHDRS:%.h=usb/clients/printer/%.check) \
1213 $(USBDCDHDRS:%.h=usb/clients/usbcdc/%.check) \
1214 $(USBVIDHDRS:%.h=usb/clients/video/usbvc/%.check) \
1215 $(USBWCMHDRS:%.h=usb/clients/usbinput/usbwcm/%.check) \
1216 $(UGENHDRS:%.h=usb/clients/ugen/%.check) \
1217 $(USBHDRS:%.h=usb/%.check) \
1218 $(UWBHDRS:%.h=uwb/%.check) \
1219 $(UWBAHDRS:%.h=uwb/uwba/%.check) \
1220 $(I1394HDRS:%.h=i1394/%.check) \
1221 $(RSMHDRS:%.h=rsm/%.check) \
1222 $(TSOLHDRS:%.h=tsol/%.check) \
1223 $(NXGEHDRS:%.h=nxge/%.check)

```

```
1226 .KEEP_STATE:
```

```

1228 .PARALLEL: \
1229 $(CHECKHDRS) \
1230 $(ROOTHDRS) \
1231 $(ROOTAUDHDRS) \
1232 $(ROOTAVHDRS) \
1233 $(ROOTCRYPTOHDRS) \
1234 $(ROOTDCAMHDRS) \
1235 $(ROOTISOHDRS) \
1236 $(ROOTIDMHDRS) \
1237 $(ROOTISCSIHDRS) \
1238 $(ROOTISCSITHDRS) \
1239 $(ROOTFC4HDRS) \
1240 $(ROOTFCHDRS) \
1241 $(ROOTFCIMPLHDRS) \
1242 $(ROOTFCULPHDRS) \
1243 $(ROOTFMHDRS) \
1244 $(ROOTFMIOHDRS) \
1245 $(ROOTFMFSDHDRS) \
1246 $(ROOTFSHDRS) \
1247 $(ROOTIBDHDRS) \

```

```

1248 $(ROOTIBHDRS) \
1249 $(ROOTIBTLHDRS) \
1250 $(ROOTIBTLIMPLHDRS) \
1251 $(ROOTIBNEXHDRS) \
1252 $(ROOTIBMGTHDRS) \
1253 $(ROOTIBMFHDRS) \
1254 $(ROOTOFHDRS) \
1255 $(ROOTRDMAHDRS) \
1256 $(ROOTSOL_OFSDHDRS) \
1257 $(ROOTSOL_UMADHDRS) \
1258 $(ROOTSOL_UVERBSHDRS) \
1259 $(ROOTSOL_UCMAHDRS) \
1260 $(ROOTTAVORHDRS) \
1261 $(ROOTTHERMONHDRS) \
1262 $(ROOTMLNXHDRS) \
1263 $(ROOTLVMHDRS) \
1264 $(ROOTPCMCIAHDRS) \
1265 $(ROOTSCSIHDRS) \
1266 $(ROOTSCSIADHDRS) \
1267 $(ROOTSCSICONFHDRS) \
1268 $(ROOTSCSIISCSIHDRS) \
1269 $(ROOTSCSIGHDRS) \
1270 $(ROOTSCSIIMPLHDRS) \
1271 $(ROOTSCSIVHCIHDRS) \
1272 $(ROOTSDCARDHDRS) \
1273 $(ROOTSYSEVENTHDRS) \
1274 $(ROOTCONTRACTHDRS) \
1275 $(ROOTUSBHDRS) \
1276 $(ROOTUWBHDRS) \
1277 $(ROOTUWBAHDRS) \
1278 $(ROOTUSBAUDHDRS) \
1279 $(ROOTUSBHUBDHDRS) \
1280 $(ROOTUSBHIDHDRS) \
1281 $(ROOTUSBHRCHDRS) \
1282 $(ROOTUSBMSHDRS) \
1283 $(ROOTUSBPRNHDRS) \
1284 $(ROOTUSBDCDHDRS) \
1285 $(ROOTUSBVIDHDRS) \
1286 $(ROOTUSBWCMHDRS) \
1287 $(ROOTUGENHDRS) \
1288 $(ROOTI1394HDRS) \
1289 $(ROOTHOTPLUGHDRS) \
1290 $(ROOTHOTPLUGPCIHDRS) \
1291 $(ROOTRSMHDRS) \
1292 $(ROOTTSOLHDRS) \
1293 $( $(MACH)_ROOTHDRS)

```

```

1296 install_h: \
1297 $(ROOTDIRS) \
1298 LVMDERIVED_H \
1299 .WAIT \
1300 $(ROOTHDRS) \
1301 $(ROOTAUDHDRS) \
1302 $(ROOTAVHDRS) \
1303 $(ROOTCRYPTOHDRS) \
1304 $(ROOTDCAMHDRS) \
1305 $(ROOTISOHDRS) \
1306 $(ROOTIDMHDRS) \
1307 $(ROOTISCSIHDRS) \
1308 $(ROOTISCSITHDRS) \
1309 $(ROOTFC4HDRS) \
1310 $(ROOTFCHDRS) \
1311 $(ROOTFCIMPLHDRS) \
1312 $(ROOTFCULPHDRS) \
1313 $(ROOTFMHDRS) \

```

```

1314      $(ROOTFMFSDHRS)  \
1315      $(ROOTFMIOHDRS) \
1316      $(ROOTFSDHRS)   \
1317      $(ROOTIBDHDRS)  \
1318      $(ROOTIBHDRS)   \
1319      $(ROOTIBTLHDRS) \
1320      $(ROOTIBTLIMPLHDRS) \
1321      $(ROOTIBNEXHDRS) \
1322      $(ROOTIBMGTHDRS) \
1323      $(ROOTIBMFDHRS)  \
1324      $(ROOTOFHRS)    \
1325      $(ROOTRDMADHRS) \
1326      $(ROOTSOL_OFSDHRS) \
1327      $(ROOTSOL_UMADHRS) \
1328      $(ROOTSOL_UVERBSHDHRS) \
1329      $(ROOTSOL_UCMAHDRS) \
1330      $(ROOTTAVORHDRS) \
1331      $(ROOTTHERMONHDRS) \
1332      $(ROOTMLNXHDRS) \
1333      $(ROOTLVMHDRS) \
1334      $(ROOTPCMCIAHDRS) \
1335      $(ROOTSCSIHDRS) \
1336      $(ROOTSCSIADHDRS) \
1337      $(ROOTSCSIISCSIHDRS) \
1338      $(ROOTSCSICONFHDRS) \
1339      $(ROOTSCSIGENHDRS) \
1340      $(ROOTSCSIIMPLHDRS) \
1341      $(ROOTSCSIVHCIHDRS) \
1342      $(ROOTSDCARDHDRS) \
1343      $(ROOTSYSEVENTHDRS) \
1344      $(ROOTCONTRACTHDRS) \
1345      $(ROOTUWBHDRS) \
1346      $(ROOTUWBAHDRS) \
1347      $(ROOTUSBHDRS) \
1348      $(ROOTUSBAUDHDRS) \
1349      $(ROOTUSBHUBDHDRS) \
1350      $(ROOTUSBHIDHDRS) \
1351      $(ROOTUSBHRCHDRS) \
1352      $(ROOTUSBMSHDRS) \
1353      $(ROOTUSBPRNHDRS) \
1354      $(ROOTUSBCDCHDRS) \
1355      $(ROOTUSBVIDHDRS) \
1356      $(ROOTUSBWCMHDRS) \
1357      $(ROOTUGENHDRS) \
1358      $(ROOT1394HDRS) \
1359      $(ROOTHOTPLUGHDRS) \
1360      $(ROOTHOTPLUGPCIHDRS) \
1361      $(ROOTRSMHDRS) \
1362      $(ROOTTSOLHDRS) \
1363      $$$(MACH)_ROOTHDRS)

```

```
1365 all_h: $(GENHDRS)
```

```

1367 priv_const.h: $(PRIVS_AWK) $(PRIVS_DEF)
1368      $(NAWK) -f $(PRIVS_AWK) < $(PRIVS_DEF) -v privhfile=$@

```

```

1370 priv_names.h: $(PRIVS_AWK) $(PRIVS_DEF)
1371      $(NAWK) -f $(PRIVS_AWK) < $(PRIVS_DEF) -v pubhfile=$@

```

```

1373 usb/usbdevs.h: $(USBDEVS_AWK) $(USBDEVS_DATA)
1374      $(NAWK) -f $(USBDEVS_AWK) $(USBDEVS_DATA) -H > $@

```

```

1376 LVMDERIVED_H:
1377      cd $(SRC)/uts/common/sys/lvm; pwd; $(MAKE)

```

```
1379 clean:
```

```
1380      $(RM) $(GENHDRS)
```

```
1382 clobber:      clean
```

```
1384 check:      $(CHECKHDRS)
```

```
1386 FRC:
```

```
1388 # EXPORT DELETE START
```

```
1389 EXPORT_SRC:
```

```
1390      $(RM) wanboot_impl.h+ Makefile+
```

```
1391      sed -e "/EXPORT DELETE START/,/EXPORT DELETE END/d" \
```

```
1392      < wanboot_impl.h > wanboot_impl.h+
```

```
1393      $(MV) wanboot_impl.h+ wanboot_impl.h
```

```
1394      sed -e "/^# EXPORT DELETE START/,/^# EXPORT DELETE END/d" \
```

```
1395      < Makefile > Makefile+
```

```
1396      $(RM) Makefile
```

```
1397      $(MV) Makefile+ Makefile
```

```
1398      $(CHMOD) 444 Makefile wanboot_impl.h
```

```
1399 # EXPORT DELETE END
```