

new/usr/src/uts/armv6/loader/fakeloader_core.s

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*****
2607 Thu Feb 12 20:33:41 2015
new/usr/src/uts/armv6/loader/fakeloader_core.s
loader: document the page table setup
*****
_____unchanged_portion_omitted_____

60 #endif /* __lint */

62 #if defined(__lint)

64 fakeload_pt_setup(uintptr_t pthead)
65 {}

67 #else /* __lint */

69 /*
70  * We need to set up the world for the first time. We'll do the
71  * following in order:
72  *
73  * o Set the TTBCR to always use TTBR0
74  * o Set domain 0 to manager mode
75  * o Program the Page table root
76  */
77 ENTRY(fakeload_pt_setup)
78 /* use TTBR0 only (should already be true) */
79 #endif /* ! codereview */
80 mov    r1, #0
81 mcr    p15, 0, r1, c2, c0, 2

83 /* set domain 0 to manager mode */
84 #endif /* ! codereview */
85 mov    r1, #3
86 mcr    p15, 0, r1, c3, c0, 0

88 /* set TTBR0 to page table root */
89 orr    r0, r0, #0x18 /* Outer WB, no WA Cachable */
90 orr    r0, r0, #0x2 /* Sharable */
91 orr    r0, r0, #0x1 /* Inner Cachable */
92 orr    r0, r0, #0x1b
93 mcr    p15, 0, r0, c2, c0, 0
94 bx    lr
SET_SIZE(fakeload_pt_setup)
_____unchanged_portion_omitted_____
```