Subject: [RFC][PATCH 3/5] uts namespaces: Use init uts_namespace when appropriate
Posted by serue on Fri, 07 Apr 2006 18:36:00 GMT
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In some places, particularly drivers and __init code, the init uts namespace is the
appropriate one to use. This patch replaces those with a direct reference to
init_uts_ns.name. Note that we can drop this patch and simply
do #define system_utsname (init_uts_ns.name)
however by using this patch we make explicit, for the sake of review, those
places where we do and do not use the utsname namespace.

Signed-off-by: Serge E. Hallyn <serue@us.ibm.com>
---
arch/arm/kernel/setup.c | 2 +-
arch/arm26/kernel/setup.c | 2 +-
arch/cris/kernel/setup.c | 2 +-
arch/i386/kernel/process.c | 6 +++---
arch/i386/kernel/traps.c | 6 +++---
arch/powerpc/kernel/process.c | 2 +-
arch/powerpc/kernel/setup_64.c | 2 +-
arch/powerpc/platforms/pseries/setup.c | 2 +-
arch/sh/kernel/setup.c | 2 +-
arch/um/kernel/um_arch.c | 6 +++---
arch/um/sys-x86_64/sysrq.c | 2 +-
arch/x86_64/kernel/process.c | 6 +++---
drivers/infiniband/hw/ipath/ipath_verbs.c | 2 +-
drivers/parisc/led.c | 2 +-
drivers/scsi/lpfc/lpfc_ct.c | 8 ++++----
drivers/usb/core/hcd.c | 4 ++--
drivers/usb/gadget/ether.c | 2 +-
drivers/usb/gadget/file_storage.c | 2 +-
drivers/usb/gadget/serial.c | 2 +-
drivers/usb/gadget/zero.c | 2 +-
include/asm-i386/bugs.h | 2 +-
include/asm-i386/elf.h | 2 +-
include/asm-sh/bugs.h | 2 +-
kernel/power/snapshot.c | 10 +++++-----
net/ipv4/ipconfig.c | 16 ++++++++--------
net/sunrpc/clnt.c | 4 ++--
sound/core/info_oss.c | 10 +++++-----
27 files changed, 55 insertions(+), 55 deletions(-)

ef54ab30a75ae83207b385090d3f1ff6c912f0d5
diff --git a/arch/arm/kernel/setup.c b/arch/arm/kernel/setup.c
index 4375284..647c516 100644
--- a/arch/arm/kernel/setup.c
+++ b/arch/arm/kernel/setup.c

```
@@ -319,7 +319,7 @@ static void __init setup_processor(void)
        cpu_name, processor_id, (int)processor_id & 15,
        proc_arch[cpu_architecture()]);

- sprintf(system_utsname.machine, "%s%c", list->arch_name, ENDIANNESS);
+ sprintf(init_uts_ns.name.machine, "%s%c", list->arch_name, ENDIANNESS);
  sprintf(elf_platform, "%s%c", list->elf_name, ENDIANNESS);
  elf_hwcap = list->elf_hwcap;

diff --git a/arch/arm26/kernel/setup.c b/arch/arm26/kernel/setup.c
index 4eb329e..6564e73 100644
--- a/arch/arm26/kernel/setup.c
+++ b/arch/arm26/kernel/setup.c
@@ -144,7 +144,7 @@ static void __init setup_processor(void)

  dump_cpu_info();

- sprintf(system_utsname.machine, "%s", list->arch_name);
+ sprintf(init_uts_ns.name.machine, "%s", list->arch_name);
  sprintf(elf_platform, "%s", list->elf_name);
  elf_hwcap = list->elf_hwcap;

diff --git a/arch/cris/kernel/setup.c b/arch/cris/kernel/setup.c
index 619a6ee..f9a29a4 100644
--- a/arch/cris/kernel/setup.c
+++ b/arch/cris/kernel/setup.c
@@ -161,7 +161,7 @@ setup_arch(char **cmdline_p)
  show_etrax_copyright();

  /* Setup utsname */
- strcpy(system_utsname.machine, cris_machine_name);
+ strcpy(init_uts_ns.name.machine, cris_machine_name);
 }

 static void *c_start(struct seq_file *m, loff_t *pos)
diff --git a/arch/i386/kernel/process.c b/arch/i386/kernel/process.c
index 6259afe..89fac4c 100644
--- a/arch/i386/kernel/process.c
+++ b/arch/i386/kernel/process.c
@@ -297,9 +297,9 @@ void show_regs(struct pt_regs * regs)
  if (user_mode_vm(regs))
   printk(" ESP: %04x:%08lx",0xffff & regs->xss,regs->esp);
  printk(" EFLAGS: %08lx    %s  (%s %.*s)\n",
-        regs->eflags, print_tainted(), system_utsname.release,
-        (int)strcspn(system_utsname.version, " "),
-        system_utsname.version);
+        regs->eflags, print_tainted(), init_uts_ns.name.release,
+        (int)strcspn(init_uts_ns.name.version, " "),
```

```
+        init_uts_ns.name.version);
  printk("EAX: %08lx EBX: %08lx ECX: %08lx EDX: %08lx\n",
   regs->eax,regs->ebx,regs->ecx,regs->edx);
  printk("ESI: %08lx EDI: %08lx EBP: %08lx",
diff --git a/arch/i386/kernel/traps.c b/arch/i386/kernel/traps.c
index e385279..addff65 100644
--- a/arch/i386/kernel/traps.c
+++ b/arch/i386/kernel/traps.c
@@ -260,9 +260,9 @@ void show_registers(struct pt_regs *regs
  printk(KERN_EMERG "CPU:    %d\nEIP:    %04x:[<%08lx>]    %s VLI\n"
    "EFLAGS: %08lx   (%s %.*s) \n",
   smp_processor_id(), 0xffff & regs->xcs, regs->eip,
-  print_tainted(), regs->eflags, system_utsname.release,
-  (int)strcspn(system_utsname.version, " "),
-  system_utsname.version);
+  print_tainted(), regs->eflags, init_uts_ns.name.release,
+  (int)strcspn(init_uts_ns.name.version, " "),
+  init_uts_ns.name.version);
  print_symbol(KERN_EMERG "EIP is at %s\n", regs->eip);
  printk(KERN_EMERG "eax: %08lx   ebx: %08lx   ecx: %08lx   edx: %08lx\n",
   regs->eax, regs->ebx, regs->ecx, regs->edx);
diff --git a/arch/powerpc/kernel/process.c b/arch/powerpc/kernel/process.c
index 2dd47d2..7c21450 100644
--- a/arch/powerpc/kernel/process.c
+++ b/arch/powerpc/kernel/process.c
@@ -425,7 +425,7 @@ void show_regs(struct pt_regs * regs)
  printk("NIP: "REG" LR: "REG" CTR: "REG"\n",
        regs->nip, regs->link, regs->ctr);
  printk("REGS: %p TRAP: %04lx   %s  (%s)\n",
-       regs, regs->trap, print_tainted(), system_utsname.release);
+       regs, regs->trap, print_tainted(), init_uts_ns.name.release);
  printk("MSR: "REG" ", regs->msr);
  printbits(regs->msr, msr_bits);
  printk("  CR: %08lX  XER: %08lX\n", regs->ccr, regs->xer);
diff --git a/arch/powerpc/kernel/setup_64.c b/arch/powerpc/kernel/setup_64.c
index 13e91c4..26f0477 100644
--- a/arch/powerpc/kernel/setup_64.c
+++ b/arch/powerpc/kernel/setup_64.c
@@ -435,7 +435,7 @@ void __init setup_system(void)
  smp_release_cpus();
 #endif

- printk("Starting Linux PPC64 %s\n", system_utsname.version);
+ printk("Starting Linux PPC64 %s\n", init_uts_ns.name.version);

  printk("-----------------------------------------------------\n ");
  printk("ppc64_pft_size                = 0x%lx\n", ppc64_pft_size);
diff --git a/arch/powerpc/platforms/pseries/setup.c b/arch/powerpc/platforms/pseries/setup.c
```

```
index 5eb55ef..9df0d0e 100644
--- a/arch/powerpc/platforms/pseries/setup.c
+++ b/arch/powerpc/platforms/pseries/setup.c
@@ -255,7 +255,7 @@ static int __init pSeries_init_panel(voi
 {
  /* Manually leave the kernel version on the panel. */
  ppc_md.progress("Linux ppc64\n", 0);
- ppc_md.progress(system_utsname.version, 0);
+ ppc_md.progress(init_uts_ns.name.version, 0);

  return 0;
 }
diff --git a/arch/sh/kernel/setup.c b/arch/sh/kernel/setup.c
index bb229ef..fab811b 100644
--- a/arch/sh/kernel/setup.c
+++ b/arch/sh/kernel/setup.c
@@ -481,7 +481,7 @@ static int show_cpuinfo(struct seq_file
   seq_printf(m, "machine\t\t: %s\n", get_system_type());

  seq_printf(m, "processor\t: %d\n", cpu);
- seq_printf(m, "cpu family\t: %s\n", system_utsname.machine);
+ seq_printf(m, "cpu family\t: %s\n", init_uts_ns.name.machine);
  seq_printf(m, "cpu type\t: %s\n", get_cpu_subtype());

  show_cpuflags(m);
diff --git a/arch/um/kernel/um_arch.c b/arch/um/kernel/um_arch.c
index 7d51dd7..4caad31 100644
--- a/arch/um/kernel/um_arch.c
+++ b/arch/um/kernel/um_arch.c
@@ -167,7 +167,7 @@ static char *usage_string =

 static int __init uml_version_setup(char *line, int *add)
 {
- printf("%s\n", system_utsname.release);
+ printf("%s\n", init_uts_ns.name.release);
  exit(0);

  return 0;
@@ -278,7 +278,7 @@ static int __init Usage(char *line, int
 {
   const char **p;

- printf(usage_string, system_utsname.release);
+ printf(usage_string, init_uts_ns.name.release);
   p = &__uml_help_start;
   while (p < &__uml_help_end) {
    printf("%s", *p);
@@ -400,7 +400,7 @@ int linux_main(int argc, char **argv)
```

```
  /* Reserve up to 4M after the current brk */
  uml_reserved = ROUND_4M(brk_start) + (1 << 22);

- setup_machinename(system_utsname.machine);
+ setup_machinename(init_uts_ns.name.machine);

 #ifdef CONFIG_CMDLINE_ON_HOST
  argv1_begin = argv[1];
diff --git a/arch/um/sys-x86_64/sysrq.c b/arch/um/sys-x86_64/sysrq.c
index d0a25af..49a549a 100644
--- a/arch/um/sys-x86_64/sysrq.c
+++ b/arch/um/sys-x86_64/sysrq.c
@@ -16,7 +16,7 @@ void __show_regs(struct pt_regs * regs)
  printk("\n");
  print_modules();
  printk("Pid: %d, comm: %.20s %s %s\n",
-        current->pid, current->comm, print_tainted(), system_utsname.release);
+        current->pid, current->comm, print_tainted(), init_uts_ns.name.release);
  printk("RIP: %04lx:[<%016lx>] ", PT_REGS_CS(regs) & 0xffff,
         PT_REGS_RIP(regs));
  printk("\nRSP: %016lx  EFLAGS: %08lx\n", PT_REGS_RSP(regs),
diff --git a/arch/x86_64/kernel/process.c b/arch/x86_64/kernel/process.c
index 70dd8e5..f79a080 100644
--- a/arch/x86_64/kernel/process.c
+++ b/arch/x86_64/kernel/process.c
@@ -292,9 +292,9 @@ void __show_regs(struct pt_regs * regs)
  print_modules();
  printk("Pid: %d, comm: %.20s %s %s %.*s\n",
   current->pid, current->comm, print_tainted(),
-  system_utsname.release,
-  (int)strcspn(system_utsname.version, " "),
-  system_utsname.version);
+  init_uts_ns.name.release,
+  (int)strcspn(init_uts_ns.name.version, " "),
+  init_uts_ns.name.version);
  printk("RIP: %04lx:[<%016lx>] ", regs->cs & 0xffff, regs->rip);
  printk_address(regs->rip);
  printk("\nRSP: %04lx:%016lx  EFLAGS: %08lx\n", regs->ss, regs->rsp,
diff --git a/drivers/infiniband/hw/ipath/ipath_verbs.c b/drivers/infiniband/hw/ipath/ipath_verbs.c
index 9f27fd3..d5479a8 100644
--- a/drivers/infiniband/hw/ipath/ipath_verbs.c
+++ b/drivers/infiniband/hw/ipath/ipath_verbs.c
@@ -1048,7 +1048,7 @@ static void *ipath_register_ib_device(in
  dev->process_mad = ipath_process_mad;

  snprintf(dev->node_desc, sizeof(dev->node_desc),
-   IPATH_IDSTR " %s kernel_SMA", system_utsname.nodename);
+   IPATH_IDSTR " %s kernel_SMA", init_uts_ns.name.nodename);
```

```
  ret = ib_register_device(dev);
  if (ret)
diff --git a/drivers/parisc/led.c b/drivers/parisc/led.c
index 298f2dd..c05e169 100644
--- a/drivers/parisc/led.c
+++ b/drivers/parisc/led.c
@@ -684,7 +684,7 @@ int __init led_init(void)
  int ret;

  snprintf(lcd_text_default, sizeof(lcd_text_default),
-  "Linux %s", system_utsname.release);
+  "Linux %s", init_uts_ns.name.release);

  /* Work around the buggy PDC of KittyHawk-machines */
  switch (CPU_HVERSION) {
diff --git a/drivers/scsi/lpfc/lpfc_ct.c b/drivers/scsi/lpfc/lpfc_ct.c
index b65ee57..ef05e16 100644
--- a/drivers/scsi/lpfc/lpfc_ct.c
+++ b/drivers/scsi/lpfc/lpfc_ct.c
@@ -961,8 +961,8 @@ lpfc_fdmi_cmd(struct lpfc_hba * phba, st
    ae = (ATTRIBUTE_ENTRY *) ((uint8_t *) rh + size);
    ae->ad.bits.AttrType = be16_to_cpu(OS_NAME_VERSION);
    sprintf(ae->un.OsNameVersion, "%s %s %s",
-    system_utsname.sysname, system_utsname.release,
-    system_utsname.version);
+    init_uts_ns.name.sysname, init_uts_ns.name.release,
+    init_uts_ns.name.version);
    len = strlen(ae->un.OsNameVersion);
    len += (len & 3) ? (4 - (len & 3)) : 4;
    ae->ad.bits.AttrLen = be16_to_cpu(FOURBYTES + len);
@@ -1080,7 +1080,7 @@ lpfc_fdmi_cmd(struct lpfc_hba * phba, st
         size);
     ae->ad.bits.AttrType = be16_to_cpu(HOST_NAME);
     sprintf(ae->un.HostName, "%s",
-     system_utsname.nodename);
+     init_uts_ns.name.nodename);
     len = strlen(ae->un.HostName);
     len += (len & 3) ? (4 - (len & 3)) : 4;
     ae->ad.bits.AttrLen =
@@ -1168,7 +1168,7 @@ lpfc_fdmi_tmo_handler(struct lpfc_hba *p

  ndlp = lpfc_findnode_did(phba, NLP_SEARCH_ALL, FDMI_DID);
  if (ndlp) {
-  if (system_utsname.nodename[0] != '\0') {
+  if (init_uts_ns.name.nodename[0] != '\0') {
    lpfc_fdmi_cmd(phba, ndlp, SLI_MGMT_DHBA);
   } else {
```

```
    mod_timer(&phba->fc_fdmitmo, jiffies + HZ * 60);
diff --git a/drivers/usb/core/hcd.c b/drivers/usb/core/hcd.c
index fbd938d..b979b16 100644
--- a/drivers/usb/core/hcd.c
+++ b/drivers/usb/core/hcd.c
@@ -318,8 +318,8 @@ static int rh_string (

   // id 3 == vendor description
  } else if (id == 3) {
-  snprintf (buf, sizeof buf, "%s %s %s", system_utsname.sysname,
-   system_utsname.release, hcd->driver->description);
+  snprintf (buf, sizeof buf, "%s %s %s", init_uts_ns.name.sysname,
+   init_uts_ns.name.release, hcd->driver->description);

  // unsupported IDs --> "protocol stall"
  } else
diff --git a/drivers/usb/gadget/ether.c b/drivers/usb/gadget/ether.c
index c3d8e5c..e49359d 100644
--- a/drivers/usb/gadget/ether.c
+++ b/drivers/usb/gadget/ether.c
@@ -2242,7 +2242,7 @@ eth_bind (struct usb_gadget *gadget)
   return -ENODEV;
  }
  snprintf (manufacturer, sizeof manufacturer, "%s %s/%s",
-  system_utsname.sysname, system_utsname.release,
+  init_uts_ns.name.sysname, init_uts_ns.name.release,
   gadget->name);

  /* If there's an RNDIS configuration, that's what Windows wants to
diff --git a/drivers/usb/gadget/file_storage.c b/drivers/usb/gadget/file_storage.c
index cf3be29..81ffe03 100644
--- a/drivers/usb/gadget/file_storage.c
+++ b/drivers/usb/gadget/file_storage.c
@@ -3965,7 +3965,7 @@ static int __init fsg_bind(struct usb_ga
  usb_gadget_set_selfpowered(gadget);

  snprintf(manufacturer, sizeof manufacturer, "%s %s with %s",
-   system_utsname.sysname, system_utsname.release,
+   init_uts_ns.name.sysname, init_uts_ns.name.release,
    gadget->name);

  /* On a real device, serial[] would be loaded from permanent
diff --git a/drivers/usb/gadget/serial.c b/drivers/usb/gadget/serial.c
index b992546..1063159 100644
--- a/drivers/usb/gadget/serial.c
+++ b/drivers/usb/gadget/serial.c
@@ -1496,7 +1496,7 @@ static int __init gs_bind(struct usb_gad
   return -ENOMEM;
```

```
  snprintf(manufacturer, sizeof(manufacturer), "%s %s with %s",
-  system_utsname.sysname, system_utsname.release,
+  init_uts_ns.name.sysname, init_uts_ns.name.release,
    gadget->name);

  memset(dev, 0, sizeof(struct gs_dev));
diff --git a/drivers/usb/gadget/zero.c b/drivers/usb/gadget/zero.c
index 51424f6..5aa1bd4 100644
--- a/drivers/usb/gadget/zero.c
+++ b/drivers/usb/gadget/zero.c
@@ -1240,7 +1240,7 @@ autoconf_fail:
    EP_OUT_NAME, EP_IN_NAME);

  snprintf (manufacturer, sizeof manufacturer, "%s %s with %s",
-  system_utsname.sysname, system_utsname.release,
+  init_uts_ns.name.sysname, init_uts_ns.name.release,
    gadget->name);

  return 0;
diff --git a/include/asm-i386/bugs.h b/include/asm-i386/bugs.h
index 50233e0..ce0386e 100644
--- a/include/asm-i386/bugs.h
+++ b/include/asm-i386/bugs.h
@@ -190,6 +190,6 @@ static void __init check_bugs(void)
  check_fpu();
  check_hlt();
  check_popad();
- system_utsname.machine[1] = '0' + (boot_cpu_data.x86 > 6 ? 6 : boot_cpu_data.x86);
+ init_uts_ns.name.machine[1] = '0' + (boot_cpu_data.x86 > 6 ? 6 : boot_cpu_data.x86);
  alternative_instructions();
 }
diff --git a/include/asm-i386/elf.h b/include/asm-i386/elf.h
index 4153d80..53c2829 100644
--- a/include/asm-i386/elf.h
+++ b/include/asm-i386/elf.h
@@ -108,7 +108,7 @@ typedef struct user_fxsr_struct elf_fpxr
    For the moment, we have only optimizations for the Intel generations,
    but that could change... */

-#define ELF_PLATFORM  (system_utsname.machine)
+#define ELF_PLATFORM  (init_uts_ns.name.machine)

 #ifdef __KERNEL__
 #define SET_PERSONALITY(ex, ibcs2) do { } while (0)
diff --git a/include/asm-sh/bugs.h b/include/asm-sh/bugs.h
index a6de3d0..0a1648d 100644
--- a/include/asm-sh/bugs.h
```

```
+++ b/include/asm-sh/bugs.h
@@ -18,7 +18,7 @@ static void __init check_bugs(void)
 {
  extern char *get_cpu_subtype(void);
  extern unsigned long loops_per_jiffy;
- char *p= &system_utsname.machine[2]; /* "sh" */
+ char *p= &init_uts_ns.name.machine[2]; /* "sh" */

  cpu_data->loops_per_jiffy = loops_per_jiffy;

diff --git a/kernel/power/snapshot.c b/kernel/power/snapshot.c
index c5863d0..14b3f24 100644
--- a/kernel/power/snapshot.c
+++ b/kernel/power/snapshot.c
@@ -523,7 +523,7 @@ static void init_header(struct swsusp_in
  memset(info, 0, sizeof(struct swsusp_info));
  info->version_code = LINUX_VERSION_CODE;
  info->num_physpages = num_physpages;
- memcpy(&info->uts, &system_utsname, sizeof(system_utsname));
+ memcpy(&info->uts, &init_uts_ns.name, sizeof(init_uts_ns.name));
  info->cpus = num_online_cpus();
  info->image_pages = nr_copy_pages;
  info->pages = nr_copy_pages + nr_meta_pages + 1;
@@ -662,13 +662,13 @@ static int check_header(struct swsusp_in
   reason = "kernel version";
  if (info->num_physpages != num_physpages)
   reason = "memory size";
- if (strcmp(info->uts.sysname,system_utsname.sysname))
+ if (strcmp(info->uts.sysname,init_uts_ns.name.sysname))
   reason = "system type";
- if (strcmp(info->uts.release,system_utsname.release))
+ if (strcmp(info->uts.release,init_uts_ns.name.release))
   reason = "kernel release";
- if (strcmp(info->uts.version,system_utsname.version))
+ if (strcmp(info->uts.version,init_uts_ns.name.version))
   reason = "version";
- if (strcmp(info->uts.machine,system_utsname.machine))
+ if (strcmp(info->uts.machine,init_uts_ns.name.machine))
   reason = "machine";
  if (reason) {
   printk(KERN_ERR "swsusp: Resume mismatch: %s\n", reason);
diff --git a/net/ipv4/ipconfig.c b/net/ipv4/ipconfig.c
index cb8a92f..b00635f 100644
--- a/net/ipv4/ipconfig.c
+++ b/net/ipv4/ipconfig.c
@@ -367,7 +367,7 @@ static int __init ic_defaults(void)
   */
```

```
  if (!ic_host_name_set)
-  sprintf(system_utsname.nodename, "%u.%u.%u.%u", NIPQUAD(ic_myaddr));
+  sprintf(init_uts_ns.name.nodename, "%u.%u.%u.%u", NIPQUAD(ic_myaddr));

  if (root_server_addr == INADDR_NONE)
   root_server_addr = ic_servaddr;
@@ -806,7 +806,7 @@ static void __init ic_do_bootp_ext(u8 *e
    }
    break;
   case 12: /* Host name */
-   ic_bootp_string(system_utsname.nodename, ext+1, *ext, __NEW_UTS_LEN);
+   ic_bootp_string(init_uts_ns.name.nodename, ext+1, *ext, __NEW_UTS_LEN);
    ic_host_name_set = 1;
    break;
   case 15: /* Domain name (DNS) */
@@ -817,7 +817,7 @@ static void __init ic_do_bootp_ext(u8 *e
     ic_bootp_string(root_server_path, ext+1, *ext, sizeof(root_server_path));
    break;
   case 40: /* NIS Domain name (_not_ DNS) */
-   ic_bootp_string(system_utsname.domainname, ext+1, *ext, __NEW_UTS_LEN);
+   ic_bootp_string(init_uts_ns.name.domainname, ext+1, *ext, __NEW_UTS_LEN);
    break;
  }
 }
@@ -1369,7 +1369,7 @@ static int __init ip_auto_config(void)
  printk(", mask=%u.%u.%u.%u", NIPQUAD(ic_netmask));
  printk(", gw=%u.%u.%u.%u", NIPQUAD(ic_gateway));
  printk(",\n     host=%s, domain=%s, nis-domain=%s",
-        system_utsname.nodename, ic_domain, system_utsname.domainname);
+        init_uts_ns.name.nodename, ic_domain, init_uts_ns.name.domainname);
  printk(",\n     bootserver=%u.%u.%u.%u", NIPQUAD(ic_servaddr));
  printk(", rootserver=%u.%u.%u.%u", NIPQUAD(root_server_addr));
  printk(", rootpath=%s", root_server_path);
@@ -1479,11 +1479,11 @@ static int __init ip_auto_config_setup(c
    case 4:
     if ((dp = strchr(ip, '.'))) {
      *dp++ = '\0';
-     strlcpy(system_utsname.domainname, dp,
-      sizeof(system_utsname.domainname));
+     strlcpy(init_uts_ns.name.domainname, dp,
+      sizeof(init_uts_ns.name.domainname));
     }
-    strlcpy(system_utsname.nodename, ip,
-     sizeof(system_utsname.nodename));
+    strlcpy(init_uts_ns.name.nodename, ip,
+     sizeof(init_uts_ns.name.nodename));
     ic_host_name_set = 1;
     break;
```

```
    case 5:
diff --git a/net/sunrpc/clnt.c b/net/sunrpc/clnt.c
index aa8965e..c21f28b 100644
--- a/net/sunrpc/clnt.c
+++ b/net/sunrpc/clnt.c
@@ -176,10 +176,10 @@ rpc_new_client(struct rpc_xprt *xprt, ch
  }

  /* save the nodename */
- clnt->cl_nodelen = strlen(system_utsname.nodename);
+ clnt->cl_nodelen = strlen(init_uts_ns.name.nodename);
  if (clnt->cl_nodelen > UNX_MAXNODENAME)
   clnt->cl_nodelen = UNX_MAXNODENAME;
- memcpy(clnt->cl_nodename, system_utsname.nodename, clnt->cl_nodelen);
+ memcpy(clnt->cl_nodename, init_uts_ns.name.nodename, clnt->cl_nodelen);
  return clnt;

 out_no_auth:
diff --git a/sound/core/info_oss.c b/sound/core/info_oss.c
index f9ce854..dcb665a 100644
--- a/sound/core/info_oss.c
+++ b/sound/core/info_oss.c
@@ -94,11 +94,11 @@ static void snd_sndstat_proc_read(struct
 {
  snd_iprintf(buffer, "Sound Driver:3.8.1a-980706 (ALSA v" CONFIG_SND_VERSION " emulation
code)\n");
  snd_iprintf(buffer, "Kernel: %s %s %s %s %s\n",
-      system_utsname.sysname,
-      system_utsname.nodename,
-      system_utsname.release,
-      system_utsname.version,
-      system_utsname.machine);
+      init_uts_ns.name.sysname,
+      init_uts_ns.name.nodename,
+      init_uts_ns.name.release,
+      init_uts_ns.name.version,
+      init_uts_ns.name.machine);
  snd_iprintf(buffer, "Config options: 0\n");
  snd_iprintf(buffer, "\nInstalled drivers: \n");
  snd_iprintf(buffer, "Type 10: ALSA emulation\n");
--
1.2.4
```