
Subject: Re: [PATCH] Fix linux banner utsname information
Posted by [Herbert Poetzl](#) on Wed, 06 Dec 2006 18:32:21 GMT
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On Tue, Dec 05, 2006 at 06:24:09PM +0100, Herbert Poetzl wrote:

> On Mon, Dec 04, 2006 at 11:32:48PM +0100, Herbert Poetzl wrote:

> >

> > utsname information is shown in the linux banner, which

> > also is used for /proc/version (which can have different

> > utsname values inside a uts namespaces). this patch

> > makes the varying data arguments and changes the string

> > to a format string, using those arguments.

> >

> > best,

> > Herbert

>

> d'oh! just figured I lost the two new includes required

> in main.c, will send an updated version shortly

okay, here is the complete and tested version ...

Signed-off-by: Herbert Poetzl <herbert@13thfloor.at>

--- linux-2.6.19/fs/proc/proc_misc.c 2006-11-30 21:19:28 +0100

+++ linux-2.6.19-banner/fs/proc/proc_misc.c 2006-12-06 07:10:41 +0100

@@ -252,8 +252,8 @@ static int version_read_proc(char *page,

```
{  
    int len;
```

```
- strcpy(page, linux_banner);
```

```
- len = strlen(page);
```

```
+ len = sprintf(page, linux_banner,
```

```
+ utsname()->release, utsname()->version);
```

```
    return proc_calc_metrics(page, start, off, count, eof, len);
```

```
}
```

--- linux-2.6.19/init/Makefile 2006-09-20 16:58:44 +0200

+++ linux-2.6.19-banner/init/Makefile 2006-12-06 07:10:41 +0100

@@ -15,6 +15,7 @@ clean-files := ../include/linux/compile.

dependencies on generated files need to be listed explicitly

\$(obj)/main.o: include/linux/compile.h

\$(obj)/version.o: include/linux/compile.h

compile.h changes depending on hostname, generation number, etc,

--- linux-2.6.19/init/main.c 2006-11-30 21:19:43 +0100

+++ linux-2.6.19-banner/init/main.c 2006-12-06 07:10:41 +0100

```

@@ -49,6 +49,8 @@
#include <linux/buffer_head.h>
#include <linux/debug_locks.h>
#include <linux/lockdep.h>
+#include <linux/utsrelease.h>
+#include <linux/compile.h>

#include <asm/io.h>
#include <asm/bugs.h>
@@ -501,7 +503,7 @@ asmlinkage void __init start_kernel(void
    boot_cpu_init();
    page_address_init();
    printk(KERN_NOTICE);
-    printk(linux_banner);
+    printk(linux_banner, UTS_RELEASE, UTS_VERSION);
    setup_arch(&command_line);
    unwind_setup();
    setup_per_cpu_areas();
--- linux-2.6.19/init/version.c 2006-11-30 21:19:43 +0100
+++ linux-2.6.19-banner/init/version.c 2006-12-06 07:10:41 +0100
@@ -35,5 +35,6 @@ struct uts_namespace init_uts_ns = {
    EXPORT_SYMBOL_GPL(init_uts_ns);

const char linux_banner[] =
- "Linux version " UTS_RELEASE " (" LINUX_COMPILE_BY "@"
- LINUX_COMPILE_HOST ") (" LINUX_COMPILER ") " UTS_VERSION "\n";
+ "Linux version %s (" LINUX_COMPILE_BY "@"
+ LINUX_COMPILE_HOST ") (" LINUX_COMPILER ") %s\n";
+

```

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