
Subject: [PATCH] Print number of oopses in Sysrq-P output

Posted by [adobriyan](#) on Thu, 18 Jan 2007 16:58:36 GMT

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Useful in deciding whether said output should be ignored
in absence of other info. :)

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```
arch/i386/kernel/process.c | 4 +++-
arch/i386/kernel/traps.c   | 2 +-
arch/x86_64/kernel/process.c | 6 ++++--
arch/x86_64/kernel/traps.c | 3 ++-
4 files changed, 10 insertions(+), 5 deletions(-)
```

--- a/arch/i386/kernel/process.c

+++ b/arch/i386/kernel/process.c

@@ -292,9 +292,11 @@ __setup("idle=", idle_setup);

void show_regs(struct pt_regs * regs)

```
{
    unsigned long cr0 = 0L, cr2 = 0L, cr3 = 0L, cr4 = 0L;
+ extern int die_counter;
```

```
    printk("\n");
- printk("Pid: %d, comm: %20s\n", current->pid, current->comm);
+ printk("Pid: %d, comm: %20s, oopses: %d\n",
+ current->pid, current->comm, die_counter);
    printk("EIP: %04x:[<%08lx>] CPU: %d\n", 0xffff & regs->xcs, regs->eip, smp_processor_id());
    print_symbol("EIP is at %s\n", regs->eip);
```

--- a/arch/i386/kernel/traps.c

+++ b/arch/i386/kernel/traps.c

@@ -366,6 +366,7 @@ int is_valid_bugaddr(unsigned long eip)

```
    return ud2 == 0x0b0f;
}
```

+int die_counter = 0;

/*

* This is gone through when something in the kernel has done something bad and
 * is about to be terminated.

@@ -381,7 +382,6 @@ void die(const char * str, struct pt_reg

```
    .lock_owner = -1,
    .lock_owner_depth = 0
};
```

```

- static int die_counter;
  unsigned long flags;

  oops_enter();
--- a/arch/x86_64/kernel/process.c
+++ b/arch/x86_64/kernel/process.c
@@ -305,14 +305,16 @@ void __show_regs(struct pt_regs * regs)
    unsigned long cr0 = 0L, cr2 = 0L, cr3 = 0L, cr4 = 0L, fs, gs, shadowgs;
    unsigned int fsindex,gsindex;
    unsigned int ds,cs,es;
+ extern int die_counter;

    printk("\n");
    print_modules();
- printk("Pid: %d, comm: %.20s %s %s %s\n",
+ printk("Pid: %d, comm: %.20s %s %s %s\n",
    current->pid, current->comm, print_tainted(),
    init_utsname()->release,
    (int)strcspn(init_utsname()->version, " "),
- init_utsname()->version);
+ init_utsname()->version,
+ die_counter);
    printk("RIP: %04lx:[<%016lx>] ", regs->cs & 0xffff, regs->rip);
    printk_address(regs->rip);
    printk("RSP: %04lx:%016lx  EFLAGS: %08lx\n", regs->ss, regs->rsp,
--- a/arch/x86_64/kernel/traps.c
+++ b/arch/x86_64/kernel/traps.c
@@ -519,9 +519,10 @@ void __kprobes oops_end(unsigned long fl
    oops_exit();
}

+int die_counter = 0;
+
void __kprobes __die(const char * str, struct pt_regs * regs, long err)
{
- static int die_counter;
    printk(KERN_EMERG "%s: %04lx [%u] ", str, err & 0xffff, ++die_counter);
#ifdef CONFIG_PREEMPT
    printk("PREEMPT ");

```
