

[PATCH] OProfile: correct CPU type for x86-64

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-08/8338.html>

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Enable the Hammer specific events by giving the correct cpu string.
From, and tested by, Will Cohen.

```
diff -Naur -X dontdiff linux-cvs/arch/i386/oprofile/nmi_int.c linux-fixes/arch/i386/oprofile/nmi_int.c
--- linux-cvs/arch/i386/oprofile/nmi_int.c 2003-08-29 16:56:24.000000000 +0100
+++ linux-fixes/arch/i386/oprofile/nmi_int.c 2003-08-29 17:02:20.000000000 +0100
@@ -364,10 +364,21 @@
     switch (vendor) {
         case X86_VENDOR_AMD:
             /* Needs to be at least an Athlon (or hammer in 32bit mode) */
- if (family < 6)
+
+ switch (family) {
+ default:
+             return -ENODEV;
- model = &op_athlon_spec;
- nmi_ops.cpu_type = "i386/athlon";
+ case 6:
+ model = &op_athlon_spec;
+ nmi_ops.cpu_type = "i386/athlon";
+ break;
+#if defined(CONFIG_X86_64)
+ case 0xf:
+ model = &op_athlon_spec;
+ nmi_ops.cpu_type = "x86-64/hammer";
+ break;
+#endif /* CONFIG_X86_64 */
+ }
+             break;

#if !defined(CONFIG_X86_64)
-
```

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