

# [PATCH 20/40] KVM: SVM: move feature detection to hardware setup code

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg12011.html>

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  - *Date:* Mon, 31 Mar 2008 17:37:04 +0300
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By moving the SVM feature detection from the each\_cpu code to the hardware setup code it runs only once. As an additional advance the feature check is now available earlier in the module setup process.

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arch/x86/kvm/svm.c | 4 +++-

1 files changed, 3 insertions(+), 1 deletions(-)

diff --git a/arch/x86/kvm/svm.c b/arch/x86/kvm/svm.c

index ff3bc74..5f527dc 100644

--- a/arch/x86/kvm/svm.c

+++ b/arch/x86/kvm/svm.c

@@ -302,7 +302,6 @@ static void svm\_hardware\_enable(void \*garbage)

svm\_data->asid\_generation = 1;

svm\_data->max\_asid = cpuid\_ebx(SVM\_CPUID\_FUNC) - 1;

svm\_data->next\_asid = svm\_data->max\_asid + 1;

- svm\_features = cpuid\_edx(SVM\_CPUID\_FUNC);

asm volatile ("sgdt %0" : "=m"(gdt\_descr));

gdt = (struct desc\_struct \*)gdt\_descr.address;

@@ -411,6 +410,9 @@ static \_\_init int svm\_hardware\_setup(void

if (r)

goto err\_2;

}

+

+ svm\_features = cpuid\_edx(SVM\_CPUID\_FUNC);

+

return 0;

err\_2:

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1.5.4.5

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