

[PATCH 21/40] KVM: SVM: add detection of Nested Paging feature

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg12007.html>

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 - *Date:* Mon, 31 Mar 2008 17:37:05 +0300
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Let SVM detect if the Nested Paging feature is available on the hardware.
Disable it to keep this patch series bisectable.

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arch/x86/kvm/svm.c | 8 ++++++++
1 files changed, 8 insertions(+), 0 deletions(-)

```
diff --git a/arch/x86/kvm/svm.c b/arch/x86/kvm/svm.c
index 5f527dc..c12a759 100644
--- a/arch/x86/kvm/svm.c
+++ b/arch/x86/kvm/svm.c
@@ -47,6 +47,8 @@ MODULE_LICENSE("GPL");
#define SVM_FEATURE_LBRV (1 << 1)
#define SVM_DEATURE_SVML (1 << 2)

+static bool npt_enabled = false;
+
static void kvm_reput_irq(struct vcpu_svm *svm);

static inline struct vcpu_svm *to_svm(struct kvm_vcpu *vcpu)
@@ -413,6 +415,12 @@ static __init int svm_hardware_setup(void)

svm_features = cpuid_edx(SVM_CPUID_FUNC);

+ if (!svm_has(SVM_FEATURE_NPT))
+ npt_enabled = false;
+
+ if (npt_enabled)
+ printk(KERN_INFO "kvm: Nested Paging enabled\n");
+
return 0;

err_2:
---
```

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1.5.4.5

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