[v13,05/12] perf/x86/intel/pt: add new capability for Intel PT

10654363	diff (/patch/10654363/raw/)	mbox (/patch/10654363/mbox/)	series (/series/34463/mbox/)

Message ID	1540368316-12998-6-git-send-email-luwei.kang@intel.com
State	New
Headers	show
Series	Intel Processor Trace virtualization enabling
Related	show

Commit Message

Kang, Luwei (/project/kvm/list/?submitter=168537) Oct. 24, 2018, 8:05 a.m. UTC

```
This adds support for "output to Trace Transport subsystem"
capability of Intel PT. It means that PT can output its
trace to an MMIO address range rather than system memory buffer.

Acked-by: Song Liu <songliubraving@fb.com>
Signed-off-by: Luwei Kang <luwei.kang@intel.com>
---
 arch/x86/events/intel/pt.c      | 1 +
 arch/x86/include/asm/intel_pt.h | 1 +
 2 files changed, 2 insertions(+)
```

Comments

Thomas Gleixner (/project/kvm/list/?submitter=107) Oct. 30, 2018, 9:57 a.m. UTC | #1 (/comment/22290925/)

```
On Wed, 24 Oct 2018, Luwei Kang wrote:

> This adds support for "output to Trace Transport subsystem"
> capability of Intel PT. It means that PT can output its
> trace to an MMIO address range rather than system memory buffer.
>
> Acked-by: Song Liu <songliubraving@fb.com>
> Signed-off-by: Luwei Kang <luwei.kang@intel.com>

For patches 1-5:

Reviewed-by: Thomas Gleixner <tglx@linutronix.de>
```

Patch

10654363	diff (/patch/10654363/raw/)	mbox (/patch/10654363/mbox/)	series (/series/34463/mbox/)

```
diff --git a/arch/x86/events/intel/pt.c b/arch/x86/events/intel/pt.c
index 53e481a..9597ea6 100644
--- a/arch/x86/events/intel/pt.c
+++ b/arch/x86/events/intel/pt.c
@@ -68,6 +68,7 @@
        PT_CAP(topa_output,             0, CPUID_ECX, BIT(0)),
        PT_CAP(topa_multiple_entries,   0, CPUID_ECX, BIT(1)),
        PT_CAP(single_range_output,     0, CPUID_ECX, BIT(2)),
+       PT_CAP(output_subsys,           0, CPUID_ECX, BIT(3)),
        PT_CAP(payloads_lip,            0, CPUID_ECX, BIT(31)),
        PT_CAP(num_address_ranges,      1, CPUID_EAX, 0x3),
        PT_CAP(mtc_periods,             1, CPUID_EAX, 0xffff0000),
diff --git a/arch/x86/include/asm/intel_pt.h b/arch/x86/include/asm/intel_pt.h
index 00f4afb..634f99b 100644
--- a/arch/x86/include/asm/intel_pt.h
+++ b/arch/x86/include/asm/intel_pt.h
@@ -16,6 +16,7 @@  enum pt_capabilities {
        PT_CAP_topa_output,
        PT_CAP_topa_multiple_entries,
        PT_CAP_single_range_output,
+       PT_CAP_output_subsys,
        PT_CAP_payloads_lip,
        PT_CAP_num_address_ranges,
        PT_CAP_mtc_periods,
```