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Subject: Re: [PATCH 3/6] perf: add ability to record event period

Posted by [Arun Sharma](#) on Mon, 19 Dec 2011 19:20:43 GMT

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Acked-by: Arun Sharma <[asharma@fb.com](mailto:asharma@fb.com)>

Need PERF\_SAMPLE\_PERIOD for the sleep profiling kernel patch I posted earlier.

-Arun

On 12/15/11 11:13 PM, Andrew Vagin wrote:

> Hi Arnaldo,  
>  
> Could you review and commit this patch. It's quite common functionality,  
> which allow to get events more effectively and to avoid losing events.  
>  
> All other patches may be postponed, because Arun Sharma wants to suggest  
> your version of "Profiling sleep times".  
>  
> Thanks.  
>  
> On 12/07/2011 05:55 PM, Andrew Vagin wrote:  
>> Signed-off-by: Andrew Vagin<[avagin@openvz.org](mailto:avagin@openvz.org)>  
>> ---  
>> tools/perf/builtin-record.c | 1 +  
>> tools/perf/perf.h | 1 +  
>> tools/perf/util/evsel.c | 3 +++  
>> 3 files changed, 5 insertions(+), 0 deletions(-)  
>>  
>> diff --git a/tools/perf/builtin-record.c b/tools/perf/builtin-record.c  
>> index 766fa0a..f8fd14f 100644  
>> --- a/tools/perf/builtin-record.c  
>> +++ b/tools/perf/builtin-record.c  
>> @@ -700,6 +700,7 @@ const struct option record\_options[] = {  
>> OPT\_BOOLEAN('d', "data",&record.opts.sample\_address,  
>> "Sample addresses"),  
>> OPT\_BOOLEAN('T', "timestamp",&record.opts.sample\_time, "Sample  
>> timestamps"),  
>> + OPT\_BOOLEAN('P', "period",&record.opts.period, "Sample period"),  
>> OPT\_BOOLEAN('n', "no-samples",&record.opts.no\_samples,  
>> "don't sample"),  
>> OPT\_BOOLEAN('N', "no-buildid-cache",&record.no\_buildid\_cache,  
>> diff --git a/tools/perf/perf.h b/tools/perf/perf.h  
>> index ea804f5..64f8bee 100644  
>> --- a/tools/perf/perf.h  
>> +++ b/tools/perf/perf.h  
>> @@ -200,6 +200,7 @@ struct perf\_record\_opts {

```
>> bool sample_time;
>> bool sample_id_all_avail;
>> bool system_wide;
>> + bool period;
>> unsigned int freq;
>> unsigned int mmap_pages;
>> unsigned int user_freq;
>> diff --git a/tools/perf/util/evsel.c b/tools/perf/util/evsel.c
>> index e2d1b22..8550018 100644
>> --- a/tools/perf/util/evsel.c
>> +++ b/tools/perf/util/evsel.c
>> @@ -108,6 +108,9 @@ void perf_evsel__config(struct perf_evsel *evsel,
>> struct perf_record_opts *opts)
>> if (opts->system_wide)
>> attr->sample_type |= PERF_SAMPLE_CPU;
>>
>> + if (opts->period)
>> + attr->sample_type |= PERF_SAMPLE_PERIOD;
>> +
>> if (opts->sample_id_all_avail&&
>> (opts->sample_time || opts->system_wide ||
>> !opts->no_inherit || opts->cpu_list))
>
```

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