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

Posted by [avagin](#) on Fri, 16 Dec 2011 07:13:07 GMT

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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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