
Subject: [PATCH 4/6] perf: teach "perf inject" to work with files
Posted by [Andrey Vagin](#) on Wed, 07 Dec 2011 13:55:59 GMT
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Before this patch "perf inject" can only handle data from pipe.

I want to use "perf inject" for reworking events. Look at my following patch.

Signed-off-by: Andrew Vagin <avagin@openvz.org>

tools/perf/builtin-inject.c | 33 ++++++
1 files changed, 31 insertions(+), 2 deletions(-)

diff --git a/tools/perf/builtin-inject.c b/tools/perf/builtin-inject.c

index 09c1061..f87779f 100644

--- a/tools/perf/builtin-inject.c

+++ b/tools/perf/builtin-inject.c

@@ -14,7 +14,12 @@

#include "util/parse-options.h"

-static char const *input_name = "-";
+static char const *input_name = "-";
+static const char *output_name = "-";
+static int pipe_output = 0;
+static int output;
+static u64 bytes_written = 0;
+

static bool inject_build_ids;

static int perf_event__repipe_synth(struct perf_tool *tool __used,
@@ -27,12 +32,14 @@ static int perf_event__repipe_synth(struct perf_tool *tool __used,
size = event->header.size;

while (size) {
- int ret = write(STDOUT_FILENO, buf, size);
+ int ret = write(output, buf, size);
if (ret < 0)
return -errno;

size -= ret;
buf += ret;
+
+ bytes_written += ret;
}

return 0;
@@ -239,8 +246,14 @@ static int __cmd_inject(void)

```

if (session == NULL)
    return -ENOMEM;

+ if (!pipe_output)
+ lseek(output, session->header.data_offset, SEEK_SET);
+ ret = perf_session__process_events(session, &perf_inject);

+ if (!pipe_output) {
+ session->header.data_size += bytes_written;
+ perf_session__write_header(session, session->evlist, output, true);
+ }
+ perf_session__delete(session);

return ret;
@@ -254,6 +267,10 @@ static const char * const report_usage[] = {
static const struct option options[] = {
    OPT_BOOLEAN('b', "build-ids", &inject_build_ids,
        "Inject build-ids into the output stream"),
+ OPT_STRING('i', "input", &input_name, "file",
+     "input file name"),
+ OPT_STRING('o', "output", &output_name, "file",
+     "output file name"),
    OPT_INCR('v', "verbose", &verbose,
        "be more verbose (show build ids, etc)"),
    OPT_END()
@@ -269,6 +286,18 @@ int cmd_inject(int argc, const char **argv, const char *prefix __used)
if (argc)
    usage_with_options(report_usage, options);

+ if (!strcmp(output_name, "-")) {
+ pipe_output = 1;
+ output = STDOUT_FILENO;
+ } else {
+ output = open(output_name, O_CREAT | O_WRONLY | O_TRUNC,
+     S_IRUSR | S_IWUSR);
+ if (output < 0) {
+ perror("failed to create output file");
+ exit(-1);
+ }
+ }
+
if (symbol__init() < 0)
    return -1;

--
1.7.1

```
