



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'posix\_trace\_start.3p' command***

***\$ man posix\_trace\_start.3p***

POSIX\_TRACE\_START(3P) POSIX Programmer's Manual POSIX\_TRACE\_START(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

posix\_trace\_start, posix\_trace\_stop ? trace start and stop (TRACING)

### SYNOPSIS

```
#include <trace.h>

int posix_trace_start(trace_id_t trid);

int posix_trace_stop (trace_id_t trid);
```

### DESCRIPTION

The `posix_trace_start()` and `posix_trace_stop()` functions, respectively, shall start and stop the trace stream identified by the argument `trid`.

The effect of calling the `posix_trace_start()` function shall be recorded in the trace stream as the `POSIX_TRACE_START` system trace event and the status of the trace stream shall become `POSIX_TRACE_RUNNING`. If the trace stream is in progress when this function is called, the `POSIX_TRACE_START` system trace event shall not be recorded and the trace stream shall continue to run. If the trace stream is full, the `POSIX_TRACE_START` system trace event shall not be recorded and the status of the trace stream shall not be changed.

The effect of calling the `posix_trace_stop()` function shall be recorded in the trace stream as the `POSIX_TRACE_STOP` system trace event and the status of the trace stream shall become `POSIX_TRACE_SUSPENDED`. If the trace stream is suspended when this function is called, the `POSIX_TRACE_STOP` system trace event shall not be recorded and the trace stream shall remain suspended. If the trace stream is full, the `POSIX_TRACE_STOP` system trace event shall not be recorded and the status of the trace stream shall not be changed.

#### RETURN VALUE

Upon successful completion, these functions shall return a value of zero. Otherwise, they shall return the corresponding error number.

#### ERRORS

These functions shall fail if:

`EINVAL` The value of the argument `trid` does not correspond to an active trace stream and thus no trace stream was started or stopped.

`EINTR` The operation was interrupted by a signal and thus the trace stream was not necessarily started or stopped.

The following sections are informative.

#### EXAMPLES

None.

#### APPLICATION USAGE

None.

#### RATIONALE

None.

#### FUTURE DIRECTIONS

The `posix_trace_start()` and `posix_trace_stop()` functions may be removed in a future version.

#### SEE ALSO

`posix_trace_create()`

The Base Definitions volume of POSIX.1-2017, `<trace.h>`

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