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

**\$ man posix\_trace\_get\_attr.3p**

POSIX\_TRACE\_GET\_ATTR(3P) POSIX Programmer's Manual POSIX\_TRACE\_GET\_ATTR(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\_get\_attr, posix\_trace\_get\_status ? retrieve the trace attributes or trace status (TRACING)

### SYNOPSIS

```
#include <trace.h>

int posix_trace_get_attr(trace_id_t trid, trace_attr_t *attr);

int posix_trace_get_status(trace_id_t trid,
    struct posix_trace_status_info *statusinfo);
```

### DESCRIPTION

The `posix_trace_get_attr()` function shall copy the attributes of the active trace stream identified by `trid` into the object pointed to by the `attr` argument. If the Trace Log option is supported, `trid` may represent a pre-recorded trace log.

The `posix_trace_get_status()` function shall return, in the structure pointed to by the `statusinfo` argument, the current trace status for the trace stream identified by the `trid` argument. These status values returned in the structure pointed to by `statusinfo` shall have been appro?

ropriately read to ensure that the returned values are consistent. If the Trace Log option is supported and the trid argument refers to a pre-recorded trace stream, the status shall be the status of the completed trace stream.

Each time the `posix_trace_get_status()` function is used, the overrun status of the trace stream shall be reset to `POSIX_TRACE_NO_OVERRUN` immediately after the call completes. If the Trace Log option is supported, the `posix_trace_get_status()` function shall behave the same as when the option is not supported except for the following differences:

- \* If the `trid` argument refers to a trace stream with log, each time the `posix_trace_get_status()` function is used, the log overrun status of the trace stream shall be reset to `POSIX_TRACE_NO_OVERRUN` and the `flush_error` status shall be reset to zero immediately after the call completes.
- \* If the `trid` argument refers to a pre-recorded trace stream, the status returned shall be the status of the completed trace stream and the status values of the trace stream shall not be reset.

## RETURN VALUE

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

The `posix_trace_get_attr()` function stores the trace attributes in the object pointed to by `attr`, if successful.

The `posix_trace_get_status()` function stores the trace status in the object pointed to by `statusinfo`, if successful.

## ERRORS

These functions shall fail if:

**EINVAL** The trace stream argument `trid` does not correspond to a valid active trace stream or a valid trace log.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

The `posix_trace_get_attr()` and `posix_trace_get_status()` functions may be removed in a future version.

## SEE ALSO

`posix_trace_attr_destroy()`, `posix_trace_close()`, `posix_trace_create()`

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

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