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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'posix_trace_attr_destroy.3p' command

\$ man posix_trace_attr_destroy.3p

POSIX_TRACE_ATTR_DESTROY(3P) POSIX Programmer's Manual POSIX_TRACE_ATTR_DESTROY(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_attr_destroy, posix_trace_attr_init ? destroy and initialize the trace stream attributes object (TRACING)

SYNOPSIS

```
#include <trace.h>

int posix_trace_attr_destroy(trace_attr_t *attr);

int posix_trace_attr_init(trace_attr_t *attr);
```

DESCRIPTION

The `posix_trace_attr_destroy()` function shall destroy an initialized trace attributes object. A destroyed attr attributes object can be reinitialized using `posix_trace_attr_init()`; the results of otherwise referencing the object after it has been destroyed are undefined. The `posix_trace_attr_init()` function shall initialize a trace attributes object attr with the default value for all of the individual attributes used by a given implementation. The read-only generation-version and clock-resolution attributes of the newly initialized trace attributes object shall be set to their appropriate values (see Section

2.11.1.2, `posix_trace_status_info` Structure).

Results are undefined if `posix_trace_attr_init()` is called specifying an already initialized `attr` attributes object.

Implementations may add extensions to the trace attributes object structure as permitted in the Base Definitions volume of POSIX.1?2017, Chapter 2, Conformance.

The resulting attributes object (possibly modified by setting individual attributes values), when used by `posix_trace_create()`, defines the attributes of the trace stream created. A single attributes object can be used in multiple calls to `posix_trace_create()`. After one or more trace streams have been created using an attributes object, any function affecting that attributes object, including destruction, shall not affect any trace stream previously created. An initialized attributes object also serves to receive the attributes of an existing trace stream or trace log when calling the `posix_trace_get_attr()` function.

RETURN VALUE

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

ERRORS

The `posix_trace_attr_destroy()` function may fail if:

`EINVAL` The value of `attr` is invalid.

The `posix_trace_attr_init()` function shall fail if:

`ENOMEM` Insufficient memory exists to initialize the trace attributes object.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

The `posix_trace_attr_destroy()` and `posix_trace_attr_init()` functions

may be removed in a future version.

SEE ALSO

`posix_trace_create()`, `posix_trace_get_attr()`, `uname()`

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

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