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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(3PPOSIX Programmer's ManuPOSIX_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 initial? ize 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 at? tributes 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 individ? ual 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 func? tion 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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