

NAME

unw_apply_reg_state -- apply a register state update to a cursor

SYNOPSIS

```
#include <libunwind.h>
```

```
int unw_apply_reg_state(unw_cursor_t *cp, void *reg_states_data);
```

DESCRIPTION

The `unw_apply_reg_state()` routine updates the register values of a cursor according to the instructions in `reg_states_data`, which have been obtained by calling `unw_reg_states_iterate`.

RETURN VALUE

On successful completion, `unw_apply_reg_state()` returns 0. Otherwise the negative value of one of the error codes below is returned.

THREAD AND SIGNAL SAFETY

`unw_apply_reg_state()` is thread safe. If cursor `cp` is in the local address space, this routine is also safe to use from a signal handler.

ERRORS

UNW_EUNSPEC

An unspecified error occurred.

UNW_ENOINFO

Libunwind was unable to locate unwind-info for the procedure.

UNW_EBADVERSION

The unwind info for the procedure has version or format that is not understood by libunwind.

In addition, `unw_apply_reg_state()` may return any error returned by the `access_mem()` call-back (see `unw_create_addr_space(3libunwind)`).

SEE ALSO

`libunwind(3libunwind)`, `unw_reg_states_iterate(3libunwind)`

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