

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(3)`).

SEE ALSO

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

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