NAME

dwarf_set_frame_cfa_value, **dwarf_set_frame_rule_initial_value**, **dwarf_set_frame_rule_table_size**,
dwarf_set_frame_same_value, **dwarf_set_frame_undefined_value** - set internal register rule table
parameters

LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

SYNOPSIS

#include <libdwarf.h>

Dwarf_Half
dwarf_set_frame_cfa_value(*Dwarf_Debug dbg*, *Dwarf_Half value*);

Dwarf_Half
dwarf_set_frame_rule_initial_value(*Dwarf_Debug dbg*, *Dwarf_Half value*);

Dwarf_Half
dwarf_set_frame_rule_table_size(*Dwarf_Debug dbg*, *Dwarf_Half value*);

Dwarf_Half
dwarf_set_frame_same_value(*Dwarf_Debug dbg*, *Dwarf_Half value*);

Dwarf_Half
dwarf_set_frame_undefined_value(*Dwarf_Debug dbg*, *Dwarf_Half value*);

DESCRIPTION

These functions set the parameters of the internal register rule table.

Argument *dbg* should reference a DWARF debug context allocated using dwarf_init(3).

Argument *value* should hold the parameter value to set.

Function **dwarf_set_frame_cfa_value**() sets the column number for the CFA register rule in the internal
register rule table. The constant DW_FRAME_CFA_COL is the default CFA register column number
for DWARF2-only interfaces, and the constant DW_FRAME_CFA_COL3 is the default CFA column
number for DWARF3-compatible interfaces.

Function **dwarf_set_frame_rule_initial_value**() sets the initial value of the register rules in the internal
register rule table. The default initial value is the constant DW_FRAME_REG_INITIAL_VALUE,

defined in the header file *<libdwarf.h>*.

Function **dwarf_set_frame_rule_table_size**() sets the maxmium number of columns of the internal register rule table. Argument *value* should be at least as large as the number of real registers in the ABI.

Function **dwarf_set_frame_same_value**() sets the register number representing the "same value" register rule. The default register number for the "same value" rule is the constant DW_FRAME_SAME_VAL, defined in the header file *<libdwarf.h>*.

Function **dwarf_set_frame_undefined_value**() sets the register number representing the "undefined" register rule. The default register number for the "undefined" rule is the constant DW_FRAME_UNDEFINED_VAL, defined in the header file *<libdwarf.h>*.

RETURN VALUES

These functions return the previous value of the parameter being set.

SEE ALSO

dwarf(3), dwarf_get_fde_at_pc(3), dwarf_get_fde_info_for_all_regs(3), dwarf_get_fde_info_for_all_regs3(3), dwarf_get_fde_info_for_cfa_reg3(3), dwarf_get_fde_info_for_reg(3), dwarf_get_fde_info_for_reg3(3), dwarf_get_fde_n(3)