

**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 maximum 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)`