

**NAME**

**dwarf\_start\_macro\_file** - mark the start of a source file inclusion

**LIBRARY**

DWARF Access Library (libdwarf, -ldwarf)

**SYNOPSIS**

```
#include <libdwarf.h>
```

*int*

```
dwarf_start_macro_file(Dwarf_P_Debug dbg, Dwarf_Unsigned lineno, Dwarf_Unsigned fileindex,  
Dwarf_Error *err);
```

**DESCRIPTION**

Function **dwarf\_start\_macro\_file**() marks the start of a new source file inclusion.

Argument *dbg* should reference a DWARF producer instance allocated using **dwarf\_producer\_init**(3) or **dwarf\_producer\_init\_b**(3).

Argument *lineno* specifies the line number of the source line where the source file inclusion occurs. A value of zero is used to indicate the file for the compilation unit source itself.

Argument *fileindex* specifies the index of the source file that is being included. Valid source file indices are those returned by **dwarf\_add\_file\_decl**(3).

If argument *err* is not NULL, it will be used to store error information in case of an error.

**RETURN VALUES**

On success, function **dwarf\_start\_macro\_file**() returns DW\_DLV\_OK. In case of an error, function **dwarf\_start\_macro\_file**() returns DW\_DLV\_ERROR and sets the argument *err*.

**ERRORS**

Function **dwarf\_start\_macro\_file**() can fail with:

[DW\_DLE\_ARGUMENT] Argument *dbg* was NULL.

[DW\_DLE\_MEMORY] An out of memory condition was encountered during the execution of the function.

**SEE ALSO**

dwarf(3), dwarf\_add\_file\_decl(3), dwarf\_def\_macro(3), dwarf\_end\_macro\_file(3),  
dwarf\_producer\_init(3), dwarf\_producer\_init\_b(3), dwarf\_undef\_macro(3), dwarf\_vendor\_ext(3)