

NAME

smiGetMacro, **smiGetFirstMacro**, **smiGetNextMacro**, **smiGetMacroModule** – SMI macro and extension information routines

SYNOPSIS

```
#include <smi.h>

SmiMacro *smiGetMacro(SmiModule *smiModulePtr, char *macro);

SmiMacro *smiGetFirstMacro(SmiModule *smiModulePtr);

SmiMacro *smiGetNextMacro(SmiMacro *smiMacroPtr);

SmiModule *smiGetMacroModule(SmiMacro *smiMacroPtr);

typedef struct SmiMacro {
    SmiIdentifier    name;
    SmiDecl         decl;
    SmiStatus       status;
    char            *description;
    char            *reference;
} SmiMacro;
```

DESCRIPTION

These functions retrieve information on an extension statement definition (SMI_{Ing}) or a macro (SMI_{v1/v2}).

The **smiGetMacro()** function retrieves a **struct SmiMacro** that represents an extension or macro definition. *Macro* may be either a fully qualified descriptor or a simple macro or extension name. If *smiModulePtr* is not NULL it used to limit the search to the given module. If the macro is not found, **smiGetMacro()** returns NULL.

The **smiGetFirstMacro()** and **smiGetNextMacro()** functions are used to iteratively retrieve **struct SmiMacros**. **smiGetFirstMacro()** returns the first one defined in the module specified by *smiModulePtr*. Subsequent calls to **smiGetNextMacro()** return the following ones. If there are no more extension or macro definitions in the module, NULL is returned.

The **smiGetMacroModule()** function returns the module that defines the macro or extension given by *struct SmiMacroPtr*.

FILES

`$(prefix)/include/smi.h` SMI library header file

SEE ALSO

libsmi(3), **smi_module(3)**, **smi.h**

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