

NAME

nl_types.h - data types

SYNOPSIS

```
#include <nl_types.h>
```

DESCRIPTION

The `<nl_types.h>` header shall define at least the following types:

nl_catd

Used by the message catalog functions [catopen\(\)](#), [catgets\(\)](#), and [catclose\(\)](#) to identify a catalog descriptor.

nl_item

Used by [nl_langinfo\(\)](#) to identify items of *langinfo* data. Values of objects of type `nl_item` are defined in [<langinfo.h>](#).

The `<nl_types.h>` header shall define at least the following symbolic constants:

NL_SETD

Used by *gencat* when no `$set` directive is specified in a message text source file. This constant can be passed as the value of *set_id* on subsequent calls to [catgets\(\)](#) (that is, to retrieve messages from the default message set). The value of `NL_SETD` is implementation-defined.

NL_CAT_LOCALE

Value that must be passed as the *oflag* argument to [catopen\(\)](#) to ensure that message catalog selection depends on the `LC_MESSAGES` locale category, rather than directly on the `LANG` environment variable.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int      catclose(nl_catd);
char     *catgets(nl_catd, int, int, const char *);
nl_catd  catopen(const char *, int);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

[<langinfo.h>](#)

XSH [catclose](#), [catgets](#), [catopen](#), [nl langinfo](#)

XCU [gencat](#)

CHANGE HISTORY

First released in Issue 2.

Issue 7

The <nl_types.h> header is moved from the XSI option to the Base.

This reference page is clarified with respect to macros and symbolic constants.

End of informative text.

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