NAME

localedef – define locale environment

SYNOPSIS

localedef [–c] [–f *charmap***] [–i** *sourcefile***]** *localename*

DESCRIPTION

The **localedef** utility converts source definitions for locale categories into a format usable by the functions and utilities whose operational behaviour is determined by the setting of the locale environment variables; see **environ**(5).

The utility reads source definitions for one or more locale categories belonging to the same locale from the file named in the **–i** option (if specified) or from standard input.

Each category source definition is identified by the corresponding environment variable name and terminated by an **END** *category-name* statement. The following categories are supported.

LC_CTYPE	Defines character classification and case conversion.
LC_COLLATE	Defines collation rules.
LC_MONETARY	Defines the format and symbols used in formatting of monetary information.
LC_NUMERIC	Defines the decimal delimiter, grouping and grouping symbol for non-monetary numeric editing.
LC_TIME	Defines the format and content of date and time information.
LC_MESSAGES	Defines the format and values of affirmative and negative responses.

OPTIONS

The following options are supported:

–c	Create permanent output even if warning messages have been issued.
–f *charmap*	Specify the pathname of a file containing a mapping of character symbols and collating element symbols to actual character encodings. This option must be specified if symbolic names (other than collating symbols defined in a **collating-symbol** keyword) are used. If the **–f** option is not present, the default character mapping will be used.
–i *sourcefile*	The path name of a file containing the source definitions. If this option is not present, source definitions will be read from standard input.

OPERANDS

The following operand is supported:

localename	Identifies the locale. If the name contains one or more slash characters, *localename* will be interpreted as a path name where the created locale definitions will be stored. This capability may be restricted to users with appropriate privileges. (As a consequence of specifying one *localename*, although several categories can be processed in one execution, only categories belonging to the same locale can be processed.)

OUTPUT

For each locale category specified in *localename*, **localedef** will create the following files:

Category	File	Description
LC_CTYPE	*localename*.**chrtbl**	binary data containing character classification information
	localename.**chrtbl.c**	C language source file, to be used by programmers as needed
	localename.**charmap**	character mapping file
LC_COLLATE	*localename*.**collate**	collation information used by runtime collation library routines
	localename.**collate.hash**	hashed collation information
LC_MESSAGES	*localename*.**message.msg**	binary message catalogue file used by **nl_langinfo( )**
	localename.**message**	source message catalogue file
LC_NUMERIC	*localename*.**numeric**	binary numeric information for numeric category
LC_TIME	*localename*.**time**	text file containing information used by **strftime( )** and **nl_langinfo( )**
LC_MONETARY	*localename*.**monetary**	binary monetary information used by **strftime( )** and **nl_langinfo( )**

The files created by **localedef** should be renamed as follows:

localename.**chrtbl**	**/usr/lib/locale/***locale***/LC_CTYPE/ctype**
localename.**charmap**	**/usr/lib/locale/***locale***/LC_CTYPE/charmap**
localename.**collate**	**/usr/lib/locale/***locale***/LC_COLLATE/CollTable**
localename.**collate.hash**	**/usr/lib/locale/***locale***/LC_COLLATE/CollTable.hash**
localename.**message.msg**	**/usr/lib/locale/***locale***/LC_MESSAGES/SUNW_OST_LINFO**
localename.**numeric**	**/usr/lib/locale/***locale***/LC_NUMERIC/numeric**
localename.**time**	**/usr/lib/locale/***locale***/LC_TIME/time**

ENVIRONMENT

See **environ**(5) for definitions of the following environment variables that affect the execution of **localedef: LC_CTYPE**, **LC_MESSAGES**, and **NLSPATH**.

EXIT STATUS

The following exit values are returned:

0 No errors occurred and the locales were successfully created.

1 Warnings occurred and the locales were successfully created.

2 The locale specification exceeded implementation limits or the coded character set or sets used were not supported by the implementation, and no locale was created.

3 The capability to create new locales is not supported by the implementation.

>3 Warnings or errors occurred and no output was created.

If an error is detected, no permanent output will be created.

SEE ALSO

locale(1), **nl_langinfo**(3C), **strftime**(3C), **charmap**(5), **environ**(5), **locale**(5)

WARNINGS

If warnings occur, permanent output will be created if the −**c** option was specified. The following conditions will cause warning messages to be issued:

- If a symbolic name not found in the *charmap* file is used for the descriptions of the **LC_CTYPE** or **LC_COLLATE** categories (for other categories, this will be an error conditions).
- If optional keywords not supported by the implementation are present in the source.