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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'uncompress.1p' command

\$ man uncompress.1p

UNCOMPRESS(1P) POSIX Programmer's Manual UNCOMPRESS(1P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

uncompress ? expand compressed data

SYNOPSIS

uncompress [-cfv] [file...]

DESCRIPTION

The uncompress utility shall restore files to their original state after they have been compressed using the compress utility. If no files are specified, the standard input shall be uncompressed to the standard output. If the invoking process has appropriate privileges, the ownership, modes, access time, and modification time of the original file shall be preserved.

This utility shall support the uncompressing of any files produced by the compress utility on the same implementation. For files produced by compress on other systems, uncompress supports 9 to 14-bit compression (see compress, -b); it is implementation-defined whether values of -b greater than 14 are supported.

OPTIONS

The `uncompress` utility shall conform to the Base Definitions volume of POSIX.1?2017, Section 12.2, Utility Syntax Guidelines, except that Guideline 1 does apply since the utility name has ten letters.

The following options shall be supported:

- c Write to standard output; no files are changed.
- f Do not prompt for overwriting files. Except when run in the background, if -f is not given the user shall be prompted as to whether an existing file should be overwritten. If the standard input is not a terminal and -f is not given, `uncompress` shall write a diagnostic message to standard error and exit with a status greater than zero.
- v Write messages to standard error concerning the expansion of each file.

OPERANDS

The following operand shall be supported:

- file A pathname of a file. If file already has the `.Z` suffix specified, it shall be used as the input file and the output file shall be named file with the `.Z` suffix removed. Otherwise, file shall be used as the name of the output file and file with the `.Z` suffix appended shall be used as the input file.

STDIN

The standard input shall be used only if no file operands are specified, or if a file operand is `'-'`.

INPUT FILES

Input files shall be in the format produced by the `compress` utility.

ENVIRONMENT VARIABLES

The following environment variables shall affect the execution of `uncompress`:

- LANG Provide a default value for the internationalization variables that are unset or null. (See the Base Definitions volume of POSIX.1?2017, Section 8.2, Internationalization Variables for the precedence of internationalization variables used to determine the values of locale categories.)

LC_ALL If set to a non-empty string value, override the values of all the other internationalization variables.

LC_CTYPE Determine the locale for the interpretation of sequences of bytes of text data as characters (for example, single-byte as opposed to multi-byte characters in arguments).

LC_MESSAGES

Determine the locale that should be used to affect the format and contents of diagnostic messages written to standard error.

NLSPATH Determine the location of message catalogs for the processing of LC_MESSAGES.

ASYNCHRONOUS EVENTS

Default.

STDOUT

When there are no file operands or the -c option is specified, the uncompressed output is written to standard output.

STDERR

Prompts shall be written to the standard error output under the conditions specified in the DESCRIPTION and OPTIONS sections. The prompts shall contain the file pathname, but their format is otherwise unspecified. Otherwise, the standard error output shall be used only for diagnostic messages.

OUTPUT FILES

Output files are the same as the respective input files to compress.

EXTENDED DESCRIPTION

None.

EXIT STATUS

The following exit values shall be returned:

0 Successful completion.

>0 An error occurred.

CONSEQUENCES OF ERRORS

The input file remains unmodified.

The following sections are informative.

APPLICATION USAGE

The limit of 14 on the `compress -b` bits argument is to achieve portability to all systems (within the restrictions imposed by the lack of an explicit published file format). Some implementations based on 16-bit architectures cannot support 15 or 16-bit uncompression.

EXAMPLES

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`compress`, `zcat`

The Base Definitions volume of POSIX.1-2017, Chapter 8, Environment Variables, Section 12.2, Utility Syntax Guidelines

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