

NAME

xdelta3 – VCDIFF (RFC 3284) binary diff tool

SYNOPSIS

xdelta3 [*command*] [*options*] [*input*] [*output*]

DESCRIPTION

xdelta3 is a binary diff tool that uses the VCDIFF (RFC 3284) format and compression.

COMMANDS

config prints xdelta3 configuration
decode decompress the input, also set by -d
encode compress the input, also set by -e (default)
test run the builtin tests
printdelta
print information about the entire delta
printhdr
print information about the first window
printhdrs
print information about all windows
recode encode with new application/secondary settings

OPTIONS

standard options:

-0 .. -9 compression level
-c use stdout
-d decompress
-e compress
-f force overwrite
-h show help
-q be quiet
-v be verbose (max 2)
-V show version

memory options:

-B bytes source window size
-W bytes input window size
-P size compression duplicates window
-I size instruction buffer size (0 = unlimited)

compression options:

-s source source file to copy from (if any)
-S [*djw*]*|fgk**|lzma**|none*
enable/disable secondary compression

- N** disable small string-matching compression
- D** disable external decompression (encode/decode)
- R** disable external recompression (decode)
- n** disable checksum (encode/decode)
- C** soft config (encode, undocumented)
- A** [*apphead*] disable/provide application header (encode)
- J** disable output (check/compute only)
- T** use alternate code table (test)

NOTES

The **XDELTA** environment variable may contain extra args:

```
XDELTA="-s source-x.y.tar.gz" \  
tar --use-compress-program=xdelta3 -cf \  
target-x.z.tar.gz.vcdiff target-x.y/
```

EXAMPLES

Compress the differences between **SOURCE** and **TARGET**, yielding **OUT**, using "djw" secondary compression:

```
xdelta3 -S djw -s SOURCE TARGET OUT
```

Do the same, using standard input and output:

```
xdelta3 -S djw -s SOURCE < TARGET > OUT
```

To decompress **OUT**, using **SOURCE**, yielding **TARGET**:

```
xdelta3 -d -s SOURCE OUT TARGET
```

AUTHOR

xdelta3 was written by Josh MacDonald <josh.macdonald@gmail.com>.

This manual page was written by Leo 'costela' Antunes <costela@debian.org> for the Debian project (but may be used by others).