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### ***Linux Ubuntu 22.4.5 Manual Pages on command 'xdelta3.1'***

**\$ man xdelta3.1**

XDELTA3(1) General Commands Manual

XDELTA3(1)

#### **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" sec?

ondary 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).

Xdelta3

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