

NAME

zfs-diff - show difference between ZFS snapshots

SYNOPSIS

zfs diff [-**FHth**] *snapshot snapshot|filesystem*

DESCRIPTION

Display the difference between a snapshot of a given filesystem and another snapshot of that filesystem from a later time or the current contents of the filesystem. The first column is a character indicating the type of change, the other columns indicate pathname, new pathname (in case of rename), change in link count, and optionally file type and/or change time. The types of change are:

- The path has been removed
- + The path has been created
- M** The path has been modified
- R** The path has been renamed

-F Display an indication of the type of file, in a manner similar to the **-F** option of `ls(1)`.

- B** Block device
- C** Character device
- /** Directory
- >** Door
- |** Named pipe
- @**
Symbolic link
- P** Event port
- =** Socket
- F** Regular file

-H

Give more parsable tab-separated output, without header lines and without arrows.

-t Display the path's inode change time as the first column of output.

-h Do not \0ooo-escape non-ASCII paths.

EXAMPLES

Example 1: Showing the differences between a snapshot and a ZFS Dataset

The following example shows how to see what has changed between a prior snapshot of a ZFS dataset and its current state. The **-F** option is used to indicate type information for the files affected.

```
# zfs diff -F tank/test@before tank/test
```

```
M    /    /tank/test/
M    F    /tank/test/linked    (+1)
R    F    /tank/test/oldname -> /tank/test/newname
-    F    /tank/test/deleted
+    F    /tank/test/created
M    F    /tank/test/modified
```

SEE ALSO

zfs-snapshot(8)