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 **\0***ooo*-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)