

**NAME**

git-qdiff – show changes in topmost patch and working tree

**SYNOPSIS**

**git qdiff** [*<option>* ...] [*<path>* ...]

**DESCRIPTION**

The **git qdiff** command displays a **diff** representing the changes introduced by the currently topmost **Git-MQ** managed patch, augmented by any additional changes which have been made within the working tree, or staged within **git**'s index, since the patch was created, or subsequently updated by “**git qrefresh**”; this effectively represents the set of changes which will become the content of the topmost patch, following execution of “**git qrefresh --all**”.

To see changes in the working tree, or in **git**'s index, since the last refresh of the topmost patch, use “**git diff**”; to see changes within the topmost patch, but excluding changes in the working tree, or in the index, use “**git diff qtip^..qtip**”, or “**git show**”.

**git qdiff** is implemented in terms of **git diff**, and supports a subset of **git diff** options, as itemized below; if specified, these will be passed on to **git diff**, to control its underlying behaviour. Additionally, if any *<path>* arguments are specified, the **git diff** output will be filtered, to display only the changes affecting files referenced by the specified paths.

**OPTIONS**

**-a, --text**

Treat the content of all files as text.

**-U<num>, --unified[=<num>]**

Generate a **diff** in which *<num>* lines of common context are displayed, rather than the default three lines.

**--ignore-blank-lines**

Ignore differences which comprise only blank lines.

**-b, --ignore-space-change**

Ignore changes in the lengths of white space sequences. This ignores white space at end-of-line, and considers all other sequences of one or more white space characters to be equivalent.

**-w, --ignore-all-space**

Ignore white space when comparing lines. This ignores differences even if one line has white space where the other line has none.

**--ignore-space-at-eol**

Ignore changes in the lengths of sequences of zero or more white space characters at end-of-line.

**--stat**

Display a **diffstat** summary of changes.

**EXIT STATUS**

On successful completion, **git qdiff** reports an exit status code of 0. Any non-zero exit status code indicates that an error occurred.

**COMPARISON WITH MERCURIAL QUEUES**

Inspired by, and for the most part based on behavioural observation of **Mercurial**'s **MQ** extension, the **git qdiff** command exhibits fundamentally the same behaviour as its **hg qdiff** counterpart; notable differences are:—

- The **--nodates**, **--reverse**, **-I** (or **--include**), and **-X** (or **--exclude**) options, supported by **hg qdiff**, are unimplemented in **git qdiff**.
- The **-g** (or **--git**), and the **-p** (or **--show-function**) options, as supported by **hg qdiff**, are not *explicitly* supported by **git qdiff**; however, their effects are *implicitly inherent* within the underlying **git diff** implementation. It is also worthy of note that the **-p**, and the **-W** (or **--function-context**) options, which *are* supported by **git diff**, exhibit *different* behaviour from anything which is achievable

with **hg qdiff**.

- **hg qdiff** accepts **-B** as a *documented* short-form alias for the **---ignore-blank-lines** option; although this is not formally documented above, **git qdiff** does likewise; however, use of this feature is discouraged, because **git diff** attributes a *different*, (and *incompatible*), meaning to its **-B** option.
- The **---ignore-space-at-eol** option is specific to **git qdiff**; it is not supported by **hg qdiff**.

## AUTHOR

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## SEE ALSO

**diff(1)**, **git-apply(1)**, **git-diff(1)**, **git-show(1)**