NAME

lsdiff − show which files are modified by a patch

SYNOPSIS

lsdiff [[−n] | [−−line−number]] [[−p *n*] | [−−strip−match=*n*]] [−−strip=*n*] [−−addprefix=*PREFIX*] [[−s] | [−−status]] [[−E] | [−−empty−files−as−removed]] [[−i *PATTERN*] | [−−include=*PATTERN*]] [[−x *PATTERN*] | [−−exclude=*PATTERN*]] [[−z] | [−−decompress]] [[−# *RANGE*] | [−−hunks=*RANGE*]] [−−lines=*RANGE*] [[−F*RANGE*] | [−−files=*RANGE*]] [[−H] | [−−with−filename]] [[−h] | [−−no−filename]] [[−v] | [−−verbose]...] [*file*...]

lsdiff {[−−help] | [−−version] | [−−filter ...] | [−−grep ...]}

DESCRIPTION

List the files modified by a patch.

You can use both unified and context format diffs with this program.

OPTIONS

−n, **−−line−number**

Display the line number that each patch begins at. If verbose output is requested (using **−nv**), each hunk of each patch is listed as well.

For each file that is modified, a line is generated containing the line number of the beginning of the patch, followed by a Tab character, followed by the name of the file that is modified. If **−v** is given once, following each of these lines will be one line for each hunk, consisting of a Tab character, the line number that the hunk begins at, another Tab character, the string "Hunk #", and the hunk number (starting at 1).

If the **−v** is given twice in conjunction with **−n** (i.e. **−nvv**), the format is slightly different: hunk−level descriptive text is shown after each hunk number, and the **−−number−files** option is enabled.

−N, **−−number−files**

File numbers are listed, beginning at 1, before each filename.

−# *RANGE*, **−−hunks=*RANGE***

Only list hunks within the specified *RANGE*. Hunks are numbered from 1, and the range is a comma−separated list of numbers or "first−last" spans, optionally preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−−lines=*RANGE*

Only list hunks that contain lines from the original file that lie within the specified *RANGE*. Lines are numbered from 1, and the range is a comma−separated list of numbers or "first−last" spans, optionally preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−F=*RANGE*, **−−files=*RANGE***

Only list files indicated by the specified *RANGE*. Files are numbered from 1 in the order they appear in the patch input, and the range is a comma−separated list of numbers or "first−last" spans, optionally preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−p *n*, **−−strip−match=*n***

When matching, ignore the first *n* components of the pathname.

−−strip=*n*

Remove the first *n* components of the pathname before displaying it.

−−addprefix=*PREFIX*

Prefix the pathname with *PREFIX* before displaying it.

−s, **−−status**

Show file additions, modifications and removals. A file addition is indicated by a "+", a removal by a "−", and a modification by a "!".

−E, **−−empty−files−as−removed**
Treat empty files as absent for the purpose of displaying file additions, modifications and removals.

−i *PATTERN*, **−−include=***PATTERN*
Include only files matching *PATTERN*.

−x *PATTERN*, **−−exclude=***PATTERN*
Exclude files matching *PATTERN*.

−z, **−−decompress**
Decompress files with extensions .gz and .bz2.

−H, **−−with−filename**
Print the name of the patch file containing each patch.

−h, **−−no−filename**
Suppress the name of the patch file containing each patch.

−v, **−−verbose**
Verbose output.

−−help
Display a short usage message.

−−version
Display the version number of lsdiff.

−−filter
Behave like **filterdiff**(1) instead.

−−grep
Behave like **grepdiff**(1) instead.

SEE ALSO
filterdiff(1), **grepdiff**(1)

EXAMPLES
To sort the order of touched files in a patch, you can use:

```
lsdiff patch | sort −u | \
  xargs −rn1 filterdiff patch −i
```

To show only added files in a patch:

```
lsdiff −s patch | grep '^+' | \
  cut −c2− | xargs −rn1 filterdiff patch −i
```

To show the headers of all file hunks:

```
lsdiff −n patch | (while read n file
  do sed −ne "$n,$(($n+1))p" patch
done)
```

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