

# Quick Introduction to Quilt

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Based on work from **Petr Tesařík**



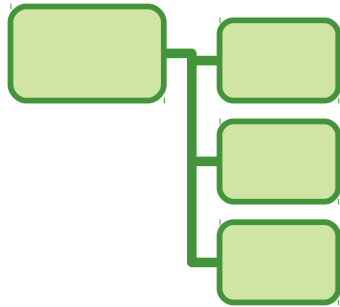
# Introduction

Quilt lets you manage a series of patches on top of a working directory. You can:

- Import and remove patches
- Navigate through the series
- Modify patches
- Create new patches anywhere
- Merge patches together
- Export patches in various ways and formats
- And more...

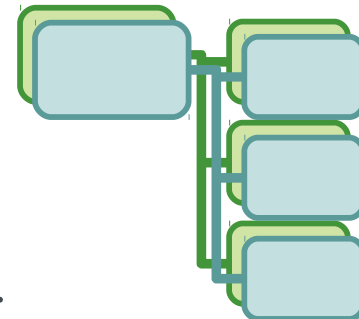
# Quilt Patch Series

original source tree



**Patch series  
(stack)**

patched source tree



Note: **quilt** modifies the source tree in place, but it keeps a backup copy of every file it touches.



# Basic Operations

- Move the top of the patch stack

```
- quilt push [number|patchname|-a]  
  quilt pop [number|patchname|-a]
```

- Start a new patch after the topmost patch

```
quilt new patchname
```

- Add files to the current patch

```
quilt add file ...
```

```
quilt edit file ...
```

- Refresh the current patch

```
quilt refresh
```

# Querying the Patch Series

- Get the current/preceding/following patch

```
quilt top  
quilt previous  
quilt next
```

- List all/applied/unapplied patches in the series

```
quilt series [-v]  
quilt applied  
quilt unapplied
```

- Which patches modify a given file

```
quilt patches filename  
quilt annotate filename
```

# Other Commands

- See the diff output (not refreshing the patch)

```
quilt diff
```

- Print/modify the patch header

```
quilt header
```

```
quilt header -e
```

- Rename the current patch

```
quilt rename newname
```

- Remove a patch

```
- quilt delete [-r] [patchname|-n]
```

# Import and Export

- Import a single patch

```
quilt import [-P patchname] patchfile
```

- Set up quilt metadata from an RPM specfile

```
quilt setup specfile
```

- Send a patch series per email

```
quilt mail --send --to recipient
```

- Prepare emails in an mbox file

```
quilt mail --mbox file --to recipient
```

- Convert a quilt series to git commits

```
- git quiltilport [--patches directory]
```





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