

The versionchanges package*

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Abstract

The versionchanges package helps to keep a record of the changes in a versioned document.

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Change History

v0.1 (2024/05/03)	Added two-colum support.....	2
Initial version.....		1
vexample (1800/01/01)	vexample-a (1802/01/01)	
All examples were replaced.....	Floating environments are no long sup- ported.....	2 3

Warning: **Change History** includes the examples also.

1 Introduction

This is “yet another” package for tracking documentation changes. There is not much new in relation to other packages for manually marking changes, such as **changes**¹, **marginnote**² and **todonotes**³, the latter used as support for presenting margin notes.

This package, in particular, is tailored to record versions and types of changes, presenting the change as a note in the margin of the text and generating a list of changes for each version created.

*This document corresponds to versionchanges v0.1, dated 2024/05/03. This text was last revised May 4, 2024.

¹<https://ctan.org/pkg/changes>.

²<https://ctan.org/pkg/marginnote>

³<https://ctan.org/pkg/todonotes>.

2 Package usage

This package depends on the following packages:

array	https://ctan.org/pkg/array
marginnote	https://ctan.org/pkg/marginnote
multicol	https://ctan.org/pkg/multicol
pgfkeys	https://www.ctan.org/pkg/pgfkeys
ragged2e	https://www.ctan.org/pkg/ragged2e
todonotes	https://www.ctan.org/pkg/todonotes

To use the package, simply request its use in the preamble of the document.

```
\usepackage{versionchanges}
```

There are no package options available at this time.

3 Registering version and adding changes

The first step is to register each version. This is done through `\RegisterVersion`, informing the version and its date.

```
\VCRegisterVersion{<version>}{<date>}
```

The argument `{<version>}` is the version number, such as 1.0, 3.2-beta and so on, and `{<date>}` is intended to registers the date of that version. Actually this date can be any text.

```
\VCChange
```

Any new change is registered with `\VCChange`.

```
\VCChange[<todonotes options>]{<change info>}[<header>]
```

This macro register a single change. The change info is a comma separated list with key/value pairs:

- **type**: the type of the change, which can be `released`, `new`, `updated`, `removed`, and `deprecated`;
- **version**: one of the registered versions (`\VCRegisterVersion`);
- **description**: the text to the list of changes

Among the change info, the key `suppress` can be specified, causing the item to be supressed from the listing.

The optional `<header>` is a text to be used as a header in the margin note.

A first optional argument, `<todonotes options>`, can be used to pass any adicional options that apply to a `todonotes`'s `\todo`. For example, if `disable` is used, the margin note is hidden.

```
% Update example
\VCChange{type = updated, version = example, description = {All examples were
↪ replaced.}}These are all the examples for this package:\ldots
```

Updated in
vexample

These are all the examples for this package:...

```
% New example
\VCChange{type = new, version = example, description = {Added two-column
↪ support.}}[Two-column]A package option were included to handle two-column
↪ documents\ldots
```

Two-column:
New in vexam-
ple

A package option were included to handle two-column documents...

```
\VCPrintChanges
```

The use in floats is complex and will not be supported...

\VCRegisterVersion

The `\VCRegisterVersion` creates an unnumbered section called *Change History* and presents the registered changes.

The order of the versions is defined by the order of creation with `\VCRegisterVersion`. The individual changes are in order of appearance in the document.

A two-pass compilation is needed to update the listing.

```
\VCPrintChanges
```

Change History

v0.1 (2024/05/03)	Added two-colum support.	2
Initial version		1
vexample (1800/01/01)	Floating environments are no long supported.	3
All examples were replaced.		2

```
\begingroup
\VCSet{
  version prefix = {Version:~},
  version style = \color{blue}\small,
  change style = \color{red}\footnotesize,
}
\VCPrintChanges
\endgroup
```

Change History

Version: 0.1 (2024/05/03)	Added two-colum support.	2
Initial version		1
Version: example (1800/01/01)	Floating environments are no long supported.	3
All examples were replaced.		2