

# The overlays package

## *A sample presentation*

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For incremental slides, the following environment is provided:

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\begin{overlays}{\langle total overlay number \rangle}
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In the slide content, the following commands can be used in order to specify the content of the overlays: `\only`.

## Highlighting

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The `alert` color is red by default and can be changed to, say, **magenta** as follows:

```
\definecolor{alert}{rgb}{0.7,0.15,0.35}
```

## Visibility

The visibility of content is specified by means of the following commands:

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\visible{<overlay specification>}{<content>}
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On unspecified overlays, the content is hidden, but still takes up space. Technically speaking, it is rendered in the background color, which, by default, is white.

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The `\only` command also uncovers its content on the overlays specified in the overlay specification.

The content is absent from unspecified overlays and does not take up space there.

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The content is absent from unspecified overlays and does not take up space there.

This is particularly useful for alternating content.

## Verbatim content

For incremental slides with verbatim content, the following environment should be used instead of the `overlays` environment:

```
\begin{fragileoverlays}{\langle total overlay number \rangle}  
  \langle slide content \rangle  
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Note that the `\alert`, `\visible`, and `\only` commands themselves must not contain verbatim commands or environments.

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\begin{fragileoverlays}{\langle total overlay number \rangle}
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```

Note that the `\alert`, `\visible`, and `\only` commands themselves must not contain verbatim commands or environments. They may be used in the content of the `alltt` environment of the `alltt` package, though.

## Caveats

The package expects that the slide content in the `overlays` environment fits on a single page. This can be ensured by means of `\clearpage` commands before or after the environment.

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The `page` and `equation` counters are not incremented between overlays. Other counters can be saved between overlays, too, by means of the command `\savecounterbetweenoverlays{<counter name>}`.

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Series of first-level lists specified by the `series` and `resume` keys of the `enumitem` package can be saved between overlays by means of the command `\saveseriesbetweenoverlays{<series name>}`, provided that the series name matches the basename of the list counter (i.e. the counter name without the final `i`).

## Further caveats

In the tabular environment, the `\alert`, `\visible` and `\only` commands have to be put into braces:

outside tabular	inside tabular
<code>\alert{...}{...}</code>	<code>{\alert{...}{...}}</code>

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<code>\only{...}{...}</code>	<code>{\only{...}{...}}</code>

In addition, make sure not to include the cell delimiter `&` or the row delimiter `\\` into the content of these commands.

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Similarly, the command `\alertsoff` removes highlights in alert color.

Both commands may be useful for non-interactive versions of a presentation, such as a presentation provided as a download.

## Credits

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The code for saving counters between overlays as well as the code for overlays with verbatim content is taken from the `texpower` package, which in turn is based on Till Tantau's `beamer` package.