

The beamerappendixnote package

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Beamer appendix note introduces the `\appxnote` command, which puts the note’s content on a separate beamer frame, shown by the command `\printappxnotes`. It also creates interactive buttons to move back and forth between the two frames:

```
\documentclass[20pt]{beamer}
\usepackage{beamerappendixnote}
\begin{document}
\begin{frame}{Main title}
  Main content \vfill
  \appxnote{Note title}{Note content}
\end{frame}
\printappxnotes
\end{document}
```

Main title

Note title

Main content

[◀ Back](#)

► Note title

Note content

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1 Installation

The beamerappendixnote package is available on [CTAN](https://ctan.org/pkg/beamerappendixnote)¹. The easiest way to install it is through a package manager. For help, see the [MiKTeX](https://miktex.org/howto/miktex-console)² or [TeX Live](https://www.tug.org/texlive/doc/texlive-en/texlive-en.html#x1-430005)³ manual. To build beamerappendixnote from the source code, follow the instructions in the README.md file.

2 Usage

<u><code>\appxnote</code></u>	<code>\appxnote{<title>}{<content>}</code>
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Create a new appendix note. Inserts a `\beamergotobutton` to a frame that contains `{<content>}`. The appendix frame is created using `\printappxnotes`. The button's text and the title of the appendix frame are both set to `{<title>}`.

<u><code>\printappxnotes</code></u>	<code>\printappxnotes</code>
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Prints appendix notes in the order they are created using `\appxnote`. Has to be used after the last appendix note. Uses one frame per note. Inserts a `\beamerreturnbutton` to the frame where `\appxnote` was called, followed by the content, separated by a `\vfill`.

3 Implementation

3.1 Dependencies

Load the essential support (expl3).

```
1 \RequirePackage{expl3}
   Make sure that the version of l3kernel in use is sufficiently new.
2 \@ifpackagelater {expl3}{2018/04/22} {} {%
3   \PackageError {beamerappendixnote} {Support package expl3 too old}
4     {%
5       You need to update your installation of the bundles 'l3kernel' and
6       'l3packages'.\MessageBreak
7       Loading~beamerappendixnote~will~abort!%
8     }%
9   \endinput
10 }%
```

Identify the package and give the over all version information.

```
11 \ProvidesExplPackage {beamerappendixnote} {2020/05/07} {1.0}
12 {Create notes in appendix frames}
   User level interfaces are all created by xparse
13 \RequirePackage {xparse}
```

¹<https://ctan.org/pkg/beamerappendixnote>

²<https://miktex.org/howto/miktex-console>

³<https://www.tug.org/texlive/doc/texlive-en/texlive-en.html#x1-430005>

3.2 Data structures

Initialise sequences used to store notes.

```
14 \seq_new:N \g_ban_titles
15 \seq_new:N \g_ban_content
```

3.3 Macros

`\appxnote` Create a new appendix note and insert a link

```
16 \NewDocumentCommand{\appxnote}{m m}{
17   \seq_gput_right:Nn \g_ban_titles {#1}
18   \seq_gput_right:Nn \g_ban_content {#2}
19   \hyperlink{ban-\seq_count:N \g_ban_titles}{\beamergetobutton{#1}}%
20   \label{ban-back-\seq_count:N \g_ban_titles}
21 }
```

(End definition for `\appxnote`. This function is documented on page 2.)

`\@@_print_func:n` Print an appendix note

```
22 \cs_set:Npn \print_func:n #1 {
23   \begin{frame}[label=ban-#1]{\seq_item:Nn \g_ban_titles {#1}}
24   \hyperlink{ban-back-#1 }{\beamerreturnbutton{Back}}
25   \vfill
26   \seq_item:Nn \g_ban_content {#1}
27   \end{frame}
28 }
```

(End definition for `\@@_print_func:n`. This function is documented on page ??.)

`\printappxnotes` Print all appendix notes

```
29 \NewDocumentCommand{\printappxnotes}{}{
30   \int_step_function:nN {\seq_count:N \g_ban_titles} \print_func:n
31 }
```

(End definition for `\printappxnotes`. This function is documented on page 2.)