

The externalize package

Lukas Heindl

oss.heindl+latex@protonmail.com

v0.0.1 from 2024/02/25

1 Introduction

Put text here.

2 Usage

Put text here.

`externalize (env.)`

3 Implementation

```
1 \RequirePackage{pgf}
2 \RequirePackage{fancyvrb}
3 \RequirePackage{pgfopts}
4
```

Define package options

```
5 \pgfkeys{
6   /externalize/.cd,
7   jobname/.initial = main,
8   jobname/.value required,
9   prefix/.initial = figures/,
10  prefix/.value required,
11 }
12 \ProcessPgfOptions*
```

load lua package, config and initialize it by default

```
13 \directlua{extern = require "externalize.lua"}
14 \directlua{extern.configure({jobname=[[ \pgfkeysvalueof{/externalize/jobname} ]]], prefix=[[ \pgfkeysvalueof{/externalize/prefix} ]])}
15 \directlua{extern.init()}
```

clean up unused (previously) externalized pdfs to not accumulate lots of unused pdfs

```
16 \AtEndDocument{\directlua{extern.clean_up()}}
```

Change History

v0.0.1
General: Converted to DTX file . . . 1

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

A		E			
\AtEndDocument		environments:		\pgfkeysvalueof	14
		externalize	1	\ProcessPgfOptions .	12
		externalize (env.) . . .	1		
D		P		R	
\directlua	13, 14, 15, 16	\pgfkeys	5	\RequirePackage .	1, 2, 3