

L'extension `somedefs` *

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Il y a bien longtemps en un siècle différent...

Ce fichier est maintenu par l'équipe du « L^AT_EX Project ». Les rapports d'anomalie peuvent être envoyés en anglais à <http://latex-project.org/bugs.html> (catégorie `tools`).

Présentation générale

✖ This is an example 'programmers toolkit' package, for use by package writers. It allows package writers to provide options which switch definitions on and off. For example, a package `fred` might define a large number of commands, including `\foo` and `\baz`, so :

```
\usepackage{fred}
```

would use a lot of memory, even if `\foo` and `\baz` were the only commands needed. However, if the author of `fred` used the `somedefs` package, then the user would be able to say :

```
\usepackage[only,foo,baz]{fred}
```

and only the commands `\foo` and `\baz` would be defined.

To use the `somedefs` package in your own packages or classes, you say :

```
\RequirePackage{somedefs}
```

You can then use four new commands :

- `\UseAllDefinitions` which says that all the commands in the file should be defined.
- `\UseSomeDefinitions` which says that only the commands specified by `\UseDefinition` should be defined.

*Ce fichier a pour numéro de version v0.03 et a été mis à jour le 01/06/1994. La première traduction, basée sur la version v0.03 titrée « *The `somedefs` toolkit package* », a été publiée par Denis Barbier le 30/01/2000.

- `\UseDefinition{⟨name⟩}` which says that the command `\name` should be defined.
- `\ProvidesDefinition{⟨definition⟩}` which provides one definition, of the form `\definingcommand{⟨command⟩}...`

For example, the package `fred` could say :

```
\RequirePackage{somedefs}
\UseAllDefinitions
\DeclareOption{only}{\UseSomeDefinitions}
\DeclareOption*{\UseDefinition{\CurrentOption}}
\ProcessOptions
\ProvidesDefinition{\newcommand{\foo}{...}}
\ProvidesDefinition{\newcommand{\baz}{...}}
```

One of the commands `\UseAllDefinitions` or `\UseSomeDefinitions` should always be used. You may have some commands which need other commands, in which case you have to declare the options by hand. For example, if the command `\bar` needs the command `\foo`, you could say :

```
\DeclareOption{bar}{\UseDefinition{bar}\UseDefinition{foo}}
```

For a longer example of the use of the `somedefs` package, look at the `rawfonts` package.

Implementation

The driver for the documentation you're now reading.

```
1 ⟨*driver⟩
2 \documentclass{ltxdoc}
3 \usepackage[ltxdoc,inputenc,fontenc,babel]{translatex-fr}
4 \begin{document}
5 \DocInput{somedefs-fr.dtx}
6 \end{document}
7 ⟨/driver⟩
```

This is a L^AT_EX 2_ε package.

```
8 ⟨*package⟩
9 \NeedsTeXFormat{LaTeX2e}
10 \ProvidesPackage{somedefs}[1994/06/01 v0.03 Toolkit for optional definitions]
```

<pre>\UseSomeDefinitions \UseAllDefinitions \UseDefinition \ProvidesDefinition \@providesdefinition \@provides@definition \@unprovided@definition</pre>	<p>The package works by having <code>\UseDefinition{⟨name⟩}</code> define <code>\name</code> to be <code>\@unprovided@definition</code>. If <code>\UseSomeDefinitions</code> has been called, then <code>\ProvidesDefinition</code> looks to see if <code>\name</code> is <code>\@unprovided@definition</code>. If <code>\UseAllDefinitions</code> has been called, then <code>\ProvidesDefinition</code> does nothing. If neither has been called, then <code>\ProvidesDefinition</code> produces an error message.</p> <pre>11 \def\UseSomeDefinitions{%</pre>
---	--

```

12   \let\ProvidesDefinition\@providesdefinition
13 }
14 \def\UseAllDefinitions{%
15   \let\ProvidesDefinition\@firstofone
16 }
17 \def\UseDefinition#1{%
18   \expandafter\let\csname#1\endcsname\@unprovided@definition
19 }
20 \def\ProvidesDefinition#1{%
21   \PackageError{somedefs}%
22     {No \noexpand\UseSomeDefinitions or \string\UseAllDefinitions}%
23     {The package which used the ‘somedefs’ package has an error.}%
24 }
25 \def\@providesdefinition#1{\@provides@definition#1\relax
26   \@provides@definition}
27 \def\@provides@definition#1#2#3\@provides@definition{%
28   \ifx#2\@unprovided@definition
29     #1#2#3%
30   \fi
31 }
32 \def\@unprovided@definition{%
33   \PackageError{somedefs}%
34     {Package ‘somedefs’ error: this command was never defined}%
35     {You have requested a command which does not exist.}%
36 }
37 \@onlypreamble\UseSomeDefinitions
38 \@onlypreamble\UseAllDefinitions
39 \@onlypreamble\UseDefinition
40 \@onlypreamble\ProvidesDefinition
41 \@onlypreamble\@providesdefinition
42 \@onlypreamble\@provides@definition

That’s it!
43 \end{package}

```