

The `luatextra` package

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Abstract

The `luatextra` package loads essential and useful packages for Lua \LaTeX . It is meant as convenience for users who don't want to load them individually.

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1 Documentation

The following packages are loaded:

fontspec — advanced font management, integrated in the \LaTeX font selection scheme, with access to system fonts and opentype features;

luacode — tools for easier integration of Lua code in \LaTeX ;

metalogo — commands for logos, including $\backslash\text{LuaTeX}$ and $\backslash\text{LuaLaTeX}$;

fixltx2e — various fixes and small enhancements for the \LaTeX core;

luatexbase — low-level management of Lua \TeX 's new and extended resources;

lualibs — additional general-purpose Lua functions.

In case you are not yet familiar with the available Lua \LaTeX packages, you might want to check the document `lualatex-doc.pdf` from the eponymous package.

2 Implementation

```
1 <*package>
  Identify.
2 \ProvidesPackage{luatextra}[2010/10/10 v1.0 Loading usual LuaLaTeX packages]
  Make sure LuaTeX is being used.
3 \RequirePackage{ifluatex}
4 \ifluatex\else
5   \PackageError{luatextra}{LuaTeX is required for this package. Aborting.}{%
6     This package can only be used with the LuaTeX engine^^J%
7     (command 'lualatex' or 'luatex').^^J%
8     Package loading has been stopped to prevent additional errors.}
9   \expandafter\endinput
10 \fi
```

Load packages; luatexbase and lualibs are loaded (indirectly) by fontspec, but just to be sure (in case it changes in the future).

```
11 \RequirePackage{fontspec}
12 \RequirePackage{luatexbase}
13 \RequireLuaModule{lualibs}
14 \RequirePackage{metalogo}
15 \RequirePackage{luacode}
16 \RequirePackage{fixltx2e}
17 </package>
```

3 Test file

Very minimal, just check that the package correctly loads. We have to use `\documentclass` to make `xkeyval` (loaded by `fontspec`) happy.

```
18 <*test>
19 \documentclass{minimal}
20 \usepackage{luatextra}
21 \stop
22 </test>
```