



# The SIMURGH *bundle*

Documentation for version 0.01a

*to my Master, Ferdowsi The Great*

This document will eventually become the documentation of SIMURGH *bundle*. At the moment, it simply reports the behaviour of the *bundle* matching the release version in the title page.

Features may come and go. The current version of SIMURGH *bundle* is not meant for production and users can not depend on stability, nor on functionality staying the same.

Nothing is considered stable just yet. This documentation therefore simply reflects the current state of the *bundle*. ***Absolutely nothing*** on the following pages is set in stone. When the need arises, anything can (and will) be changed.

**If you are not willing to deal with this situation, you should wait for the stable version. Currently there is no set date for the stable version. Full stabilization will not happen soon, the TODO list is still large.**

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# The SIMURGH *bundle*

Parsi typesetting for L<sup>A</sup>T<sub>E</sub>X, using LuaT<sub>E</sub>X engine

<https://github.com/persian-tex/simurgh>

Documentation for **version 0.01a**

Vafa Khalighi  
persian-tex@tug.org

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# 1 Introduction

## 1.1 Overview of the Bundle

## 1.2 How to Read This Documentation

This documentation explains the commands of the *SIMURGH bundle* and its usage. The “public” commands and environments provided by the *SIMURGH bundle* are described throughout the text. In each such description, the described command, environment or option is printed in red. Text shown in green is optional and can be left out. In the following documentation, the installation is explained first, followed by an overview of the basic concepts used. Then, we explain the usage of the *bundle*.

## 1.3 Contributing

## 1.4 Getting Help

When you need help with the *bundle*, please do the following:

1. Read this documentation, at least the part that has to do with your problem.
2. Consider rereading the documentation, especially the part that has to do with your problem.
3. If that does not solve the problem, try having a look at the issue tracker for *SIMURGH bundle* (<https://github.com/persian-tex/simurgh/issues>). Perhaps someone has already reported a similar problem and someone has found a solution.
4. On the website you can ask for help, file bug reports, suggest improvements to the *bundle*, and so on.
5. Before you file a bug report, especially a bug report concerning the installation, make sure that this is really a bug. In particular, have a look at the `.log` file that results when you run `lualatex` on your files. This `.log` file should show that all the right files are loaded from the right directories. Nearly all installation problems can be resolved by looking at the `.log` file.
6. *As a last resort* you can try to email me. I do not mind getting emails, I simply get way too many of them. Because of this, I can not guarantee that your emails will be answered timely or even at all. Your chances that your problem will be fixed are somewhat higher if you use the issue tracker. (Naturally, I read the issue tracker and answer questions when I have the time).
7. Please, do not phone me.

# 2 Installation

This *bundle* is distributed under the  $\LaTeX$  public license, see ??.

Typically, the *bundle* will already be installed on your system. Naturally, in this case you do not need to worry about the installation process at all and you can skip the rest of this section.

## 2.1 Bundle and Driver Versions

This documentation is part of version 0.01a of the *SIMURGH bundle*. To use it, you just need a reasonably up-to-date  $\LaTeX$ -system, but the requirements are rather low. There are no special dependencies.

## 2.2 Installing Prebundled Packages

I do not create or manage prebundled packages of *SIMURGH*, but perhaps other people might be willing to do so. If you have a problem with installing such a bundle, you might wish to have a look at the page of whoever created the package.



## 2.3 Installation in a texmf Tree

For a permanent installation, you place the files of the *SIMURGH bundle* in an appropriate `texmf` tree.

When you ask `lualatex` to use a certain class or package, it usually looks for the necessary files in so-called `texmf` trees. These trees are simply huge directories that contain these files. By default, `lualatex` looks for files in three different `texmf` trees:

- The root `texmf` tree, which is usually located at `/usr/share/texmf/` or `c:\texmf\` or somewhere similar.
- The local `texmf` tree, which is usually located at `/usr/local/share/texmf/` or `c:\localtexmf\` or somewhere similar.
- Your personal `texmf` tree, which is usually located in your home directory at `~/texmf/` or `~/Library/texmf/`.

You should install the *bundle* either in the local tree or in your personal tree, depending on whether you have write access to the local tree. Installation in the root tree can cause problems, since an update of the whole `TEX` installation will replace this whole tree.

Inside whatever `texmf`-tree that you have chosen, create the sub-directory `texmf/tex/lualatex/simurgh` and put all the `.cls` and `.sty` files from the *bundle* in this directory.

Finally, you may need to run the program `texhash` to rebuild `TEX`'s cache. In Mik`TEX`, there is a menu option for this.

## 2.4 Updating the Installation

To update your installation from a previous version, all you need to do is to replace everything in the directory `texmf/tex/lualatex/simurgh` with the files of the new version. The easiest way to do this is to first delete the old version and then proceed as described above.

Sometimes, there are changes in the syntax of certain command from version to version. If things no longer work that used to work, you may wish to have a look at the documentation and at the change log.

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