

LaTeX Screenshooter Guide

BFH-TI Project 1
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1 User Guide

1.1 Objective

The objective of this guide is to instruct users on how to use the LaTeX package for screenshot generation. It will include steps for downloading necessary files, setting up the environment, and using the package commands effectively to capture and integrate screenshots into LaTeX documents.

1.2 Step-by-Step Instructions

1.2.1 Step 1: Download the Package and Files

- Navigate to the Code/src-compiled/.
- Use `screenshooter.sty` and `latexscreenshooter.jar`.

1.2.2 Step 2: Verify Java JDK Installation

Ensure that Java JDK is installed on your system and properly configured.

- Open a terminal or command prompt.
- Type `java -version` and press Enter.
- Ensure that the output shows a version of the Java JDK bigger or equal to 21.
- If Java JDK is not installed, download and install it from the official Oracle website or use your system's package manager.

1.2.3 Step 3: Modify the Compiler to Accept Java Code Execution

Windows Users

1. Open your LaTeX development environment (e.g., TeXworks).
2. Access the compilation settings.
3. Add the option `--enable-write18` to enable execution of external commands.

Linux Users

1. Open your LaTeX development environment (e.g., TeXstudio).
2. Access the compilation settings.
3. Add the option `--shell-escape` to enable execution of external commands.
4. If you use Wayland as window system then you have to verify that the commands “ydotool” and “gnome-screenshot” are installed.

1.2.4 Step 4: Place the Files in the Same Directory

- Create a new directory for your project.
- Place your `document.tex`, `screenshooter.sty`, and `screenshooter.jar` in this directory.

1.2.5 Step 5: Include the Package in Your LaTeX Document

```
\documentclass{article}
\usepackage{screenshooter}
\begin{document}
% Document content here
\end{document}
```

1.2.6 Step 6: Use the `\screenshooter` Command

```
\screenshooter{https://www.example.com}{320}{200}{capture-example}/{path/to/output/folder/}
```

- `https://www.example.com` : URL of the webpage to capture.
- `320` : Width of the capture in pixels.
- `200` : Height of the capture in pixels.
- `capture-example` : Name of the generated image file.
- `/path/to/output/folder/` : Absolute path where the file will be stored.

Hint: Using a 16:10 ratio is the best for the image. The maximum size is around 480px.

1.2.7 Step 7: Compile the Document

- Compile the `.tex` document.
- Wait for the compilation to complete without interrupting the process.

1.2.8 Step 8: Verify the Result

- Open the generated PDF file.
- Ensure that the screenshots are correctly inserted at the specified dimensions.

1.2.9 Final LaTeX Code Example

```
\documentclass{article}
\usepackage{screenshot}
\begin{document}

\section{Screenshot}
Here is a screenshot of \texttt{example.com}:
\screenshot{https://www.example.com}{320}{200}{capture-example}{/path/to/output/folder/}

\end{document}
```

Signed : Quentin Vaney Xavier Freléchoz
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