

Repo User Guide

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Introduction

This repository demonstrates how to use **Sphinx** for building documentation in two formats:

- · A multi-page document intended for detailed documentation and printable PDFs.
- · A **single-page** document designed for fast reference.

You can build the documents in both **HTML** and **PDF** formats using the provided *Make-file*.

This guide walks you through the setup, customization, and generation process.

Usage

2.1 Directory Structure

The main components of this repo are:

- · multi-pgs-src/: Contains reStructuredText files for the multi-page guide.
- · single-pg-src/: Contains content for the one-page quick guide.
- · _preamble/: Custom LaTeX preambles and title pages.
- · _figs/: Logo assets used in the documentation.
- · _fonts/: Custom fonts (e.g., Montserrat) used for PDF output.
- · _static/ and _templates/: CSS and HTML template overrides.
- · output-dir/: Stores final output files.
- · Makefile: Automates building guides.

2.2 Build Commands

Set the appropriate environment variable and run the following commands:

Multiple Pages Guide:

```
export BUILD_MULTI_PGS=1
make multi-pgs-html  # Generates multi-page HTML
make make multi-pgs-pdf  # Generates multi-page PDF
```

Single Page Guide:

```
make single-pg-html  # Generates single-page HTML
make single-pg-pdf  # Generates single-page PDF
```

Cleanup Commands:



make clean # Removes intermediate files
make clean-all # Removes all builds and outputs

Installing Sphinx and Tools

To use this template, install the following dependencies:

3.1 Python & pip

Make sure Python and pip are installed:

```
python3 --version
pip3 --version
```

Install Sphinx and extensions:

```
pip install sphinx sphinx_rtd_theme
```

Optional (for PDF output using LaTeX):

You'll also need:

- · lualatex: Required for rendering custom fonts and logos
- · A terminal that supports *make* (or run equivalent commands manually)