

# Installation Instructions for AsciiDoc

Joby M. Anthony III <jmanthony1@liberty.edu> – March 14, 2022

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## 1. Software Requirements and Installation Links to Executables/Binaries

To write AsciiDoc (<https://asciidoctor.org/>) markup documents and compile to other formats [1], be able to run the Ruby language (<https://www.ruby-lang.org/en/>) [2]. Refer to official AsciiDoc installation instructions (<https://asciidoctor.org/>) [1] for local machine setup.

## 2. Installing Gems

### 2.1. Required

- `gem install asciidoctor` [1]

### 2.2. Recommended

#### *Syntax Highlighting [3]*

- `gem install rouge`
- `gem install pygments.rb`
- `gem install coderay`

Set the appropriate variable (example): `:source-highlighter: rouge`

#### *PDF Output [3]*

- `gem install asciidoctor-pdf`

#### *LaTeX Support for Typesetting Mathematics [4]*

- `gem install asciidoctor-latex --pre`

#### *BibTeX Files and Citations [5]*

- `gem install asciidoctor-bibtex`

#### *AsciiDoxy [6]*

- `pip3 install --update asciidoxy`

## Bibliography

[1] “Asciidoctor | A Fast, Open Source Text Processor and Publishing Toolchain for Converting AsciiDoc Content to HTML5, DocBook, PDF, and Other Formats.” <https://asciidoctor.org/>.

[2] “Ruby Programming Language.” <https://www.ruby-lang.org/en/>.

[3] “Asciidoctor PDF | Asciidoctor.” <https://asciidoctor.org/docs/asciidoctor-pdf/#importing-pdf-pages>.

[4] “Asciidoctor LaTeX.” Asciidoctor, Mar. 2022.

[5] “Asciidoctor-Bibtex: Bibtex Integration for AsciiDoc.” Asciidoctor, Jan. 2022.

[6] “Installation.” <https://www.asciidoxy.org/getting-started/installation.html>.