ADAMS

Advanced **D**ata mining **A**nd **M**achine learning **S**ystem

Module: adams-latex

LaTeX

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Chapter 1

Introduction

LaTex[2] is a document preparation system. When writing, the writer uses plain text as opposed to the formatted text found in WYSIWYG word processors like Microsoft Word or LibreOffice Writer. The writer uses markup tagging conventions to define the general structure of a document (such as article, book, and letter), to stylise text throughout a document (such as bold and italics), and to add citations and cross-references. A TeX distribution such as TeX Live or MikTeX is used to produce an output file (such as PDF or DVI) suitable for printing or digital distribution.

The ADAMS documentation itself is written in LaTeX.

Chapter 2

Flow

The flow comes with a range of actors for accessing the Twitter API.
The following flow processors are available:

- *ListRequiredLatexPackages* - a LaTeX code generator list what packages it requires and this processor combines all these packages into a single list.

The following standalone actors are available:

- *LatexSetup* - allows overriding the system-wide LaTeX settings.

The following sources are available:

- *NewLatexDocument* - generates a new LaTeX document.

The following transformers are available:

- *LatexAppendDocument* - appends the code generated by the specified generator to the document passing through.
- *LatexCloseDocument* - closes a LaTeX document (in terms of statements).
- *LatexCompile* - compiles the incoming file and forwards any error.

The following conversions are available:

- *EscapeLatexCharacters* - ensures that the specified characters get escaped in the text passing through.

Chapter 3

Preferences

The *LatexSetup* standalone actor uses the globally defined LaTeX setup for its default settings. Figure 3.1 shows the preferences tab for LaTeX.

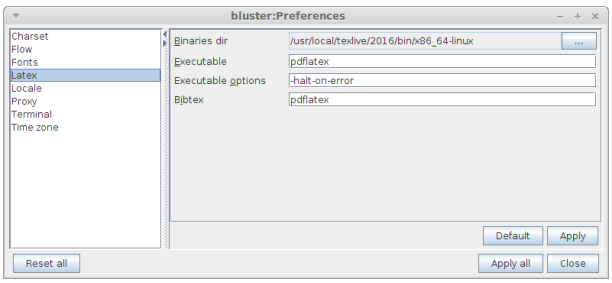

Figure 3.1: Latex preferences

Bibliography

[1] *ADAMS* – Advanced Data mining and Machine learning System
`https://adams.cms.waikato.ac.nz/`

[2] *LaTeX* – is a document preparation system to produce high-quality output, e.g., for articles and books
`https://en.wikipedia.org/wiki/LaTeX`