libSBML

Status update

Sarah Keating

on behalf of the

SBML Team

libSBML

API library for working with SBML

read/write SBML

create/manipulate SBML

validate SBML

convert between Levels/Versions of SBML

libSBML

Standard ANSI C++

• C

C#

Python

MATLAB

Java

- Octave
- Perl

Ruby





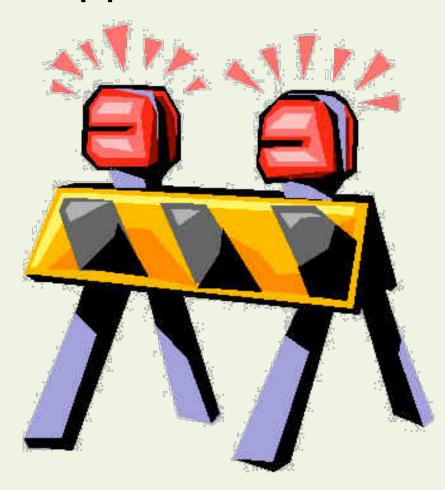




Current status

libSBML 4.3.1

no further support



libSBML 4.3.1

Upgrade

... please

Home / libsbml / 5.1.0-b0	
Name +	
↑ Parent folder	
■ Mac OS X	
Windows	
■ Linux	
libSBML-5.1.0-b0-src.tar.gz	
libSBML-5.1.0-b0-src.zip	
README.txt	
Totals: 6 Items	
1	i b S B M L 5.1.0-b0

Home / libsbml / 5.1.0-b0 / Mac OS X

Name *



libSBML-5.1.0-b0-libxml2-macosx-10.6-snowleopard.dmg

libSBML-5.1.0-b0-libxml2-macosx-10.7-lion.dmg

README.txt

libSBML-5.1.0-b0-libxml2-macosx-10.5-leopard.dmg

Totals: 4 Items

l i b S B M L 5.1.0-b0
Installers for Mac OS X operating systems

Home / libsbml / 5.1.0-b0 / Windows / 64-bit Name * ♠ Parent folder Python libSBML-5.1.0b0-win-x64.exe libSBML-5.1.0b0-win-matlab-x64.exe README.txt Totals: 4 Items libSBML 5.1.0-b0 Installers for 64-bit Microsoft Windows operating systems

libSBML 5.1-packages-beta

```
Home / libsbml / 5.1-packages-beta
 Name +
 Parent folder
 spatial-5.1.0-beta-1.zip
req-5.1.0-beta-1.zip
 groups-5.1.0-beta-1.zip
fbc-5.1.0-beta-1.zip
comp-5.1.0-beta-1.zip
README.txt
 Totals: 6 Items
                             libSBML 5.1.0
                       SBML Level 3 extension packages
```

Why beta ??

- most code same as 5.0.0 (stable)
 - additions
 - bug fixes

new conversion API (beta)

Developers of new packages

libSBML-5 Documentation



About libSBML and its use

How to implement a package extension

This section describes the summary of how to implement a package extension for libSBML-5.

(Note that since libSBML-5 is currently in development stage the API described in this documentation may be changed in the future.)

- 1. Implement an SBMLExtension derived class
- 2. Implement SBase derived classes of the package extension
- Implement SBasePlugin derived classes
- 4. Implement a forward declaration file
- 5. Implement a header file which includes all SBML types defined in the extension
- 6. Defines a macro value of the package extension
- 7. How to import a source tree of a package extension into the source tree of libSBML-5

1. Implement an SBMLExtension derived class

Firstly, an SBMLExtension derived class for your package needs to be implemented based on the steps described in SBMLExtension class.

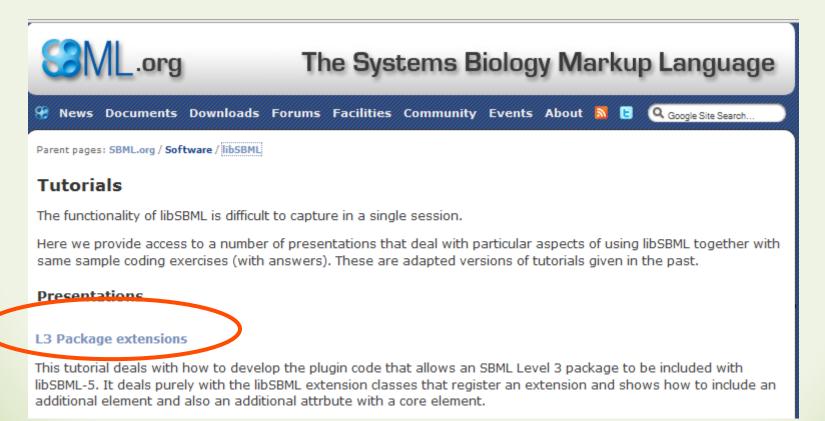
2. Implement SBase derived classes of the package extension

Secondly, SBase derived classes for your package need to be implemented based on the following steps:

Developers of new packages

libSBML-5 Documentation

http://sbml.org/Software/libSBML/Tutorials



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USA



Sarah Keating EMBL-EBI, UK



Mike Hucka Caltech, USA

SBML Team



Linda Taddeo Caltech, USA



Nicolas Rodriguez EMBL-EBI, UK

