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#
- MATLAB
- Octave
- Perl
- Java
- Python
- Ruby

LGPL
Current status
libSBML 4.3.1

- no further support
libSBML 4.3.1

Upgrade

... please
libSBML 5.1.0-b0

Home / libsbml / 5.1.0-b0

- 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
libSBML 5.1.0-b0

Installers for Mac OS X operating systems
libSBML 5.1.0-b0

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<th>Name</th>
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<tr>
<td>Parent folder</td>
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<td>Python</td>
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<tr>
<td>libSBML-5.1.0b0-win-x64.exe</td>
<td>Installers for 64-bit Microsoft Windows operating systems</td>
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<td>libSBML-5.1.0b0-win-matlab-x64.exe</td>
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<td>README.txt</td>
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libSBML 5.1-packages-beta
libSBML 5.1.0-b0

Why beta ??

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

• new conversion API (beta)
Developers of new packages

libSBML-5 Documentation

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
3. 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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