

SBOL Infrastructure

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Discussion Topics

- Library support
- Software and repositories
- Webpage

- v2.0-beta is released, will release v2.0 after resolving a few issues and more complete testing.
 - RDF triple store read support.
 - Generalized ontology support.
 - Support for merging documents and dealing with duplicate URIs.
 - A function to flatten SBOL.
- What else is needed to ease upgrade path for developers?

libSBOLc and Other Languages

- C++ library is currently being rewritten to support SBOL 2.0.
- Library bindings will be provided for python and several other languages.
- Attempts will be made to keep API consistent between both libraries.
- Need a plan to ease maintenance and support.
- One option considered was converting Java object model to C++.
- Any other ideas?

- Need to get software upgraded to SBOL 2.0.
- Priority given to create complete workflows including graphical editors like SBOLDesigner with connections to iGEM registry or equivalent.
- Need to ensure a complete data creation and curation workflow exists.
- Need repositories to support this workflow.
- Need to get workflow integrated with publications such as ACS SynBio.
- Any other comments on software needs?

- Need to update governance section.
- Need to make sure software and publication lists are kept up-to-date.
- Need a means for SBOL file validation and software compliance testing.
- Anything else?