

Langkit

source code analyzers for the masses

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Langkit: A meta compiler

A collection of DSLs to implement language parsing and analysis front-ends.

Front ends generated by Langkit could be the basis for:

[BULLET POINTS]

[Description of Libadalang]

The DSL

The generated libraries

Requirements for the target language:

- Fast
- Low level enough
- Memory management agnostic (no GC)
- Easy to bind to C and other languages

Candidates

- C, C++, Ada, Rust, ...

Chosen one: Ada

- Since the project is developed at AdaCore: no surprises :)

Automatically generated C bindings

So that it is very easy to generate bindings to any languages the users wants.

First class citizen Python bindings

Python is the de-facto scripting language of the Langkit ecosystem.

[explain ecore stuff]

Generic tools shipping with the libraries

Demo!
