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# The Yices SMT Solver

The logo for Yices2, featuring the word "Yices" in a blue, stylized font with a slight shadow, followed by a large "2" in the same style.

Yices 2 is an efficient SMT solver that decides the satisfiability of formulas containing uninterpreted function symbols with equality, linear real and integer arithmetic, bitvectors, scalar types, and tuples.

Yices 2 can process input written in the [SMT-LIB notation](#) (both versions 2.0 and 1.2 are supported).

Alternatively, you can write specifications using Yices 2's own specification language, which includes tuples and scalar types.

Yices 2 can also be used as a library in other software.

You can download the source or precompiled binaries for common operating systems. Yices is free for non-commercial use. Here are the [license terms](#); if you would like to discuss alternative license terms, please contact [fm-licensing@csl.sri.com](mailto:fm-licensing@csl.sri.com).

The current release is Yices 2.2.2 (released August 6, 2014)

- [Documentation](#)
- Download:
  - [Source Code](#)
  - [Linux \(64 bits AMD/Intel\)](#)
  - [Mac OS X \(64 bits\)](#)
  - [Windows \(64 bits\)](#)
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Our older solver Yices 1 is no longer maintained, but you can still download it [here](#) and the old documentation is [here](#).

Yices is one of the [SRI FormalWare](#) tools.

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