

Gerbil on Gambit, as they say Racket on Chez

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Gerbil is a new opinionated dialect of Scheme designed for Systems Programming with a state of the art macro and module system on top of the Gambit runtime. Gerbil wants to fill the the needs of seasoned Schemers and Common LISP refugees who want to do their systems programming with modern macro facilities and without loss of performance.

The system implements modularity and language extensibility facilities equivalent to Racket's, including the `#lang` reader. Gerbil implements this with a macro expander, compiler, and standard library sitting on top of Gambit. As such, it brings these facilities for the first time to a highly performant Ahead of Time natively compiled environment.

The relationship between Gerbil and Gambit is symbiotic: Gerbil provides the top-half and Gambit the bottom-half of the system, similar to how Racket will run on Chez in the not so distant future.

Source code: <https://github.com/vyzo/gerbil>