

# Racket!



A Language for Languages

# Features

- IDE (Dr. Racket)
- Package manager (raco)
- Libraries (HTTP, GUI, Sound, Grafik, OpenGL)
- JIT Compiler

# Features

- 'Production ready'
  - 1995
  - Naughty Dog
  - Oculus
- 'Eine Sammlung von Sprachen'
  - statisch oder dynamisch typisiert
  - lazy oder strict evaluation
  - extrem anpassbar

# Syntax

```
#lang racket
; An echo server
(define listener (tcp-listen 12345))
(let echo-server ()
  (define-values (in out) (tcp-accept listener))
  (thread (lambda () (copy-port in out)
              (close-output-port out))))
(echo-server))
```

# Demo: Racket Grundlagen

**Demo: Yolo**