

Einführung in Rust

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Rust

A language empowering everyone to build reliable and efficient software.

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Warum Rust?

Effizienz

Verlässlichkeit

Produktivität

Motivation

Installation

- `https://rustup.rs`
- Linux: `curl [...] https://sh.rustup.rs | sh`
- Windows: `https://win.rustup.rs/x86_64`

- `cargo -V` sollte eine Versionsnummer ausgeben (aktuell 1.54).



Hello World!

- `cargo new hello-world`
- `cd hello-world`
- `cargo build|run [--release]`

Aufgaben

Repository: github.com/robinhundert/rust-workshop

- <https://doc.rust-lang.org/stable/std/collections/>
- String
 - <https://doc.rust-lang.org/std/string/struct.String.html>
 - <https://doc.rust-lang.org/book/ch08-02-strings.html>
- Vec
 - <https://doc.rust-lang.org/std/vec/struct.Vec.html>
- HashMap
 - <https://doc.rust-lang.org/std/collections/struct.HashMap.html>

Ownership / Borrowing

TODO

Aufgaben

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Structs - Continued

TODO

TODO

Aufgaben

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Wie geht es weiter?

- Übersicht
 - <https://www.rust-lang.org/learn>
- The Rust Programming Language ("The Book")
 - <https://doc.rust-lang.org/book>
- Rust by Example
 - <https://doc.rust-lang.org/stable/rust-by-example>

Wie geht es weiter?

- Codewars
 - <https://www.codewars.com>
- Exercism
 - <https://exercism.io>

Wie geht es weiter?

- Rust Language Cheat Sheet
 - <https://cheats.rs>
- This Week in Rust
 - <https://this-week-in-rust.org>
- fasterthanlime
 - <https://fasterthanli.me>

- Safe and unsafe Rust
 - <https://twitter.com/whoisaldeka/status/674465785557860353>
- Rust und Cargo
 - <https://www.rust-lang.org/policies/media-guide>