



Rust and what's this thing for?



Abc Xyz
@dura_lex

1. Foreword
2. What is Rust?
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4. Features
5. Syntax
6. Ecosystem
7. Popularity

The background of the slide is a light gray network pattern. It consists of numerous small, dark gray circular nodes connected by thin, light gray lines. These lines form a complex web of triangles and other polygons, creating a textured, mesh-like appearance across the entire page.

Foreword

- Since 1.0.0
- Scope (by time)
 - Bindings (FFI — foreign function interface)
 - Analyzers
 - CLI (TUI) tools for PC and IoT
 - GUI for fun
 - Libraries
 - RE
- Not true programmer



What is Rust?

«**Rust** is a multi-paradigm systems programming language focused on safety, especially safe concurrency».

— Wikipedia

«*Rust is a systems programming language that runs blazingly fast, prevents nearly all segfaults, and guarantees thread safety*».

— www.rust-lang.org (2015)

«Empowering everyone to build reliable and efficient software».

— www.rust-lang.org

The background of the slide features a complex, light gray network pattern. It consists of numerous small dots (nodes) connected by thin, intersecting lines (edges), creating a web-like or molecular structure that fills the entire frame. The pattern is more dense in some areas and more sparse in others, with lines forming various sized triangles and polygons.

What is Rust?

Why Rust?

- Performance
 - Fast, memory-efficient
 - No runtime or garbage collector
- Reliability
 - Rich type system
 - Ownership model
- Productivity
 - Documentation
 - Friendly compiler
 - Top-notch tooling

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What is Rust?

What's wrong with systems languages?

What's wrong with systems languages?

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What is Rust?

Quick facts about Rust



Unsafe

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Features

Syntax

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Ecosystem

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Ecosystem

Community

Meetups

telegram

Rust in week

gitter

reddit

IRC

matrix

ru, en, all

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Ecosystem

Rustup

The background of the slide is a light gray network pattern. It consists of numerous small, dark gray dots (nodes) connected by thin, light gray lines (edges). The connections are irregular and form a complex web across the entire slide.

Ecosystem

Cargo

Cross platform

Tests

Benchmarks

Examples

Docs

A background pattern of a network graph with numerous nodes and connecting lines, rendered in a light gray color.

Ecosystem

Additional tools

cargo:

- fuzz - format - llvm - asm - graph - deps - etc

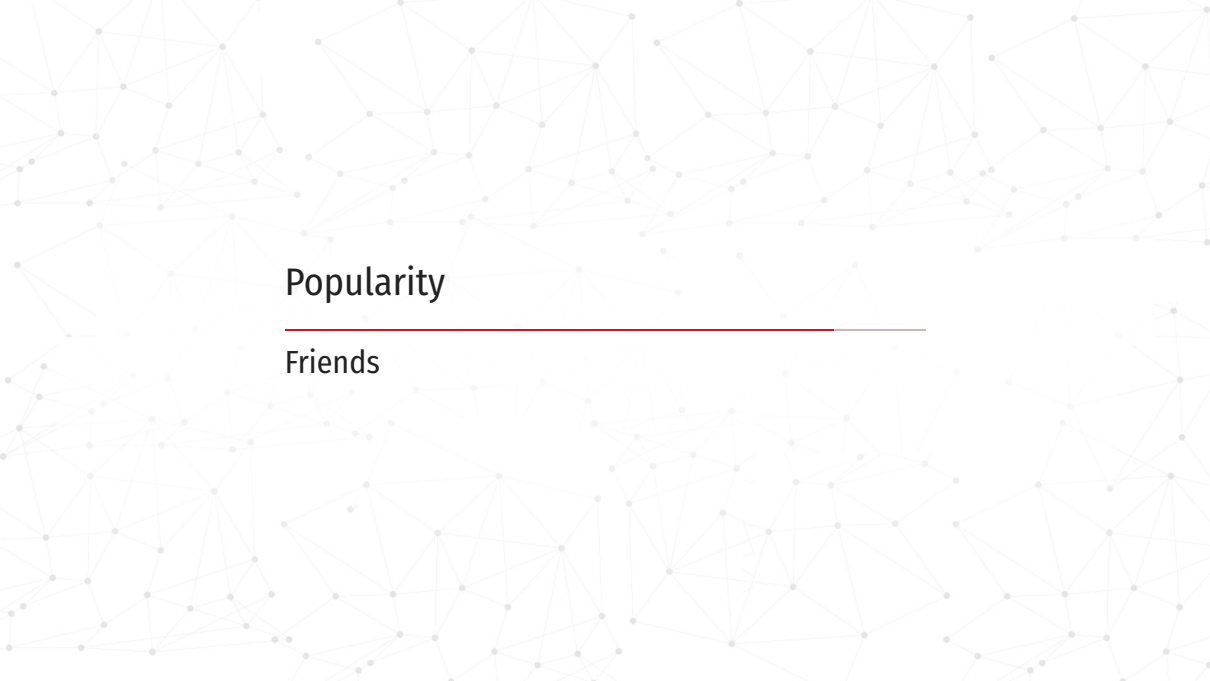
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Ecosystem

IDE

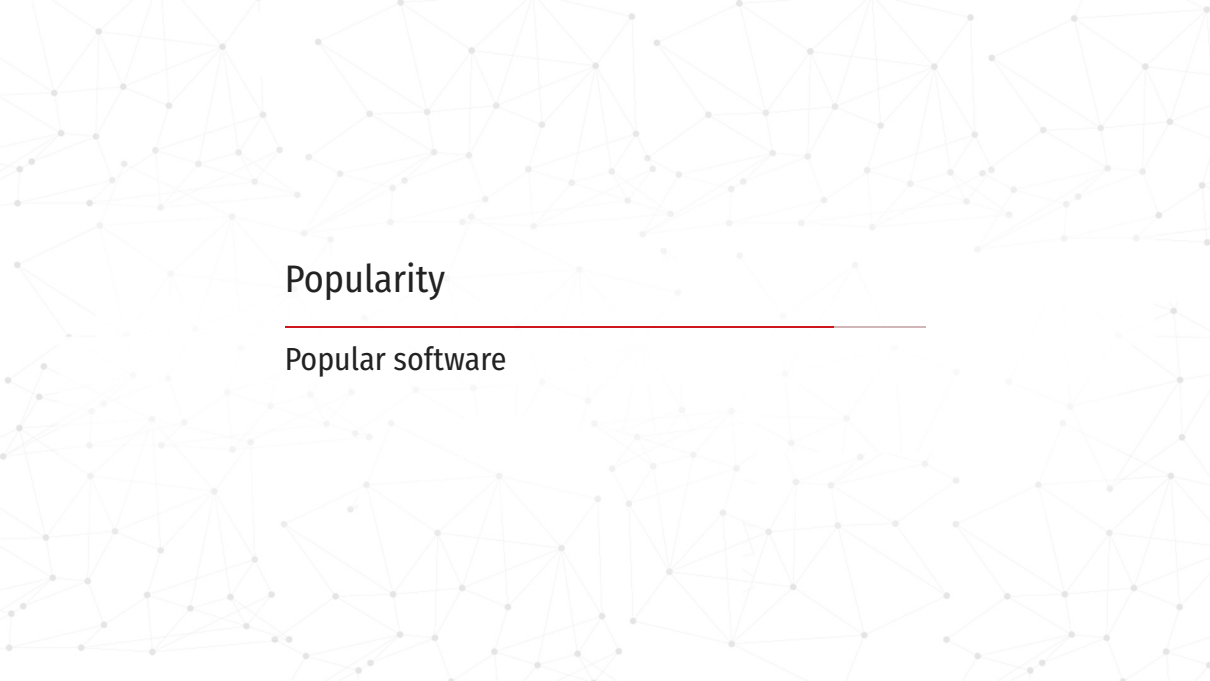
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Popularity

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Popularity


Friends

The background of the slide is a complex network diagram. It consists of numerous small, light-gray circular nodes scattered across the white space. These nodes are interconnected by a web of thin, light-gray lines, creating a dense, interconnected mesh that resembles a social network or a data structure. The lines vary in length and orientation, creating a sense of dynamic connectivity.

Popularity

Popular software

- CLI tools
- Web
- Servo

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Summary

Questions?

