

rust-demangler

Demangles rustc mangled names.

rust-demangler supports the requirements of the `llvm-cov show -Xdemangler` option, to perform Rust-specific symbol demangling:

The demangler is expected to read a newline-separated list of symbols from stdin and write a newline-separated list of the same length to stdout.

To use **rust-demangler** with `llvm-cov` for example:

```
$ TARGET="${PWD}/build/x86_64-unknown-linux-gnu"
$ "${TARGET}"/llvm/bin/llvm-cov show \
  --Xdemangler=path/to/rust-demangler \
  --instr-profile=main.profdata ./main --show-line-counts-or-regions
```

rust-demangler is a Rust “extended tool”, used in Rust compiler tests, and optionally included in Rust distributions that enable coverage profiling. Symbol demangling is implemented using the `rustc-demangle` crate.

*(Note, for Rust developers, the third-party tool **rustfilt** also supports `llvm-cov` symbol demangling. **rustfilt** is a more generalized tool that searches any body of text, using pattern matching, to find and demangle Rust symbols.)*

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