



InferSharp

InferSharp (also referred to as Infer#) is an interprocedural and scalable static code analyzer for C#. Via the capabilities of Facebook's Infer, this tool detects race conditions, null pointer dereferences and resource leaks. It also performs taint flow tracking to detect critical security vulnerabilities like SQL injections. Read more about our approach in the Wiki page.

In addition to implementing the C# frontend, we contributed our language-agnostic serialization layer (Commit #1361) to facebook/infer, which opens up opportunities for additional language support in the future.

The latest version is `release v1.5`. Please refer to the release page for more information on the changes.

Public Announcements

- .NET DevBlogs - v1.4, v1.2, v1.0
- .NET Conf 2022
- Facebook Engineering Blog
- .NET Community Standup
- Visual Studio Toolbox - YouTube, Channel9

Get Started

- VS Extension
- VSCode Extension
- Windows Subsystem for Linux
- GitHub Action
- Azure Pipelines
- Docker

Build from Source

Use this Dockerfile to build images and binaries from source. It builds the latest code from `microsoft/infersharp:main` + `facebook/infer:main` by default.

Troubleshooting

Please refer to the troubleshooting guide.

Contributing

We welcome contributions. Please follow this guideline.

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Security Reporting Instructions

Please do not report security vulnerabilities through public GitHub issues. Instead, please follow this guideline.