

Polyglot Framework: Cross-Platform Tool Development

Polyglot is a framework that simplifies the process of creating or modifying tools for a wide range of devices and operating systems. It is especially useful for embedded, esoteric, or old targets that lack easy and consistent solutions.

Polyglot is a framework that simplifies the process of creating or modifying tools for a wide range of devices and operating systems. It is especially useful for embedded, esoteric, or old targets that lack easy and consistent solutions. Polyglot uses a combination of custom and open source tools and libraries to provide developers with a consistent environment for building tools. It supports various architectures and operating systems in a target-agnostic way, reducing the time and effort needed to port tools to different targets.

The project consists of a frontend toolchain and a minimalistic C library specific to Polyglot. These components allow developers to build code for specific targets and interact with the underlying operating system. Polyglot is valuable for cybersecurity professionals and digital forensics analysts who need cross-platform tool development. It is applicable to the entire cybersecurity community, including government entities, international organizations, and public/private sector entities.

Polyglot offers a cohesive alternative to other open source tools, frameworks, and libraries. It provides similar capabilities with less development effort.

Category

Cybersecurity and Malware Analysis

Author(s)

Timothy Huddleston
Ellen Stewart
Kent Kvarfordt
Kyle McCready
David Hudson

Learn more

