VERACODE

FACTSHEET

Accelerate C/C++ Scanning

Extensive compiler and platform compatibility

Many organizations face significant pain points with traditional C/C++ security testing. Limited support for specific compilers, operating systems, and target CPUs, along with the need for manual binary package preparation, leads to complex builds, performance bottlenecks, and extended scan times that can stretch for days..

Veracode C/C++ Preprocessed Source Code Scanning simplifies security testing by analyzing preprocessed code and supporting a wide range of standard compilers with no restrictions on target CPUs (e.g., Intel, ARM, Snapdragon, etc.) and operating systems. This reduces complexity and time, streamlines preparation, and enables faster analysis with minimal restrictions, enhancing overall efficiency.

Why Veracode C/C++ Preprocessed Source Code

- **Accelerated Development Cycles:** Improved scanning and broad compiler output is significantly faster and accelerates scan times for large, complex applications from days to hours.
- **Enhanced Security Coverage:** Broad support for various compilers and target OS/platforms simplifies complex builds and reduces the risk of vulnerabilities.
- **Seamless Workflow Integration:** Easy into IDEs, repos, and CI/CD workflows along with automated packing, reduces manual effort and ensures a smooth and efficient development experience.
- **Reduced Resource Consumption:** Minimizes the need for resource-intensive decompilation, leading to lower computational costs and faster scan completion times

KEY USE CASES & BENEFITS

Speed Up Scan Times:
Cut scan times from days to hours, allowing developers to focus more on coding and application improvements.

Broad Support of Compilers + Platforms
Secure applications across a wide range of compilers, platforms, including embedded and IoT systems..

Seamless Integration
Integrate Veracode seamlessly into IDEs, repositories, and CI/CD workflows, simplifying the scanning process and reducing manual effort.

Automate Packaging:
Automate the packaging process with Veracode's auto-packager, reducing manual effort and minimizing errors.

Reduce Costs:
Streamline the scanning process and improve accuracy, reducing operational costs and enhancing the security posture.

Accelerate C/C++ Scanning

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Veracode C/C++ Preprocessed Source Code Scanning

streamlines developer workflow by simplifying code prep, reducing build complexity, and speeding up scans.

TECHNICAL SPECS

Supported Windows Architectures, Compilers and Platforms

- X86, x86_64, ARM, and ARM64 architectures
- MSVC compiler
- Windows IoT and WSL expand development beyond traditional desktop/server

Supported Linux Architectures, Compilers and Platforms

- X86, x86_64, ARM, and ARM64 architectures
- GCC and Clang compilers
- Platforms range from desktops and servers to embedded, IoT, and HPC

KEY FEATURES

- ✓ **Faster Scans:** C/C++ Scanner analyzes preprocessed source code while utilizing the same backend and platform services as the binary scanner.
- ✓ **Expanded Compiler Support:** C/C++ Scanner offers an expanded support matrix no longer restricted by compiler choices, target CPUs, and OS/platforms.
- ✓ **Auto Packager:** Automates the generation and packaging of the pre-processed source code.
- ✓ **Seamless Integration:** Integrates into IDEs, Repos, and CI/CD workflows and enables security scanning for embedded and IoT systems

Contact Us

Learn more about how the Veracode C/C++ Preprocessed Source Code Scanning for SAST accelerates security testing, eliminates manual packaging, enhances scanning speed and accuracy, and supports a wide range of compilers, platforms, and target CPUs including embedded and IoT systems, making it cost-efficient and developer friendly.

Contact our team at www.veracode.com or schedule a demo to learn more.