# Parasoft

AI-powered Continuous Quality Testing Platform for automated software testing, security, and compliance across the Software Development Lifecycle (SDLC).

https://www.parasoft.com/

## Overview

Parasoft's Continuous Quality Testing Platform is an AI-powered solution designed for automated software testing and application security, covering the entire Software Development Lifecycle (SDLC). Founded in 1987, the company provides deep industry expertise to a variety of sectors, including aerospace, automotive, finance, and critically, **healthcare/medical devices**.

The platform's core value proposition is enabling organizations to "shift left" testing by integrating quality practices early into the development process. This is achieved through a comprehensive suite of tools that includes AI-enhanced static code analysis, unit testing, API testing (SOAtest), functional testing, and service virtualization (Virtualize). The solutions are designed to integrate seamlessly into modern DevOps and CI/CD pipelines, automating code scans, test execution, and compliance reporting.

**Key Capabilities for Regulated Industries:** Parasoft is particularly strong in safety-critical and regulated environments. Its tools, such as Parasoft C/C++test, are certified by TÜV SÜD for compliance with standards like IEC 62304 (medical devices) and ISO 26262 (automotive). The platform provides automated processes and Qualification Kits to help medical device manufacturers achieve verification and validation required by the FDA (e.g., 510K and 21 CFR Title 21 validation support).

**Main Features:**

**AI-Powered Testing:** Automated test generation, self-healing tests (Selenic), and real-time code verification (Live Unit Testing).
**Service Virtualization:** Create, deploy, and manage virtual test environments (digital twins) to remove testing constraints on unavailable or complex systems.
**Static Analysis & Unit Testing:** Deep code analysis for security and reliability issues, and automated unit test creation (Jtest, C/C++test, dotTEST).

**Compliance Reporting:** Aggregated reports and analytics (Parasoft DTP) for continuous quality and compliance monitoring.

**Target Users:** Developers, QA teams, DevOps engineers, and compliance officers in medium to large enterprises, especially those in safety-critical and heavily regulated industries like biotech and healthcare.

## Key Features

- AI-Powered Automated Testing

- Static Code Analysis (SAST)

- Unit Testing & Code Coverage

- API Testing & Security Testing

- Service Virtualization

- Requirements Traceability

- Compliance Reporting (DTP)

- CI/CD Pipeline Integration

## Pricing

**Model:** subscription

Subscription-based, modular pricing. Individual plans for specific tools start around $35/month (billed annually, e.g., C/C++test). Enterprise-grade comprehensive suites are custom-priced, with annual subscriptions averaging around $56,000.

**Starting at:** USD $35

**Target Company Size:** medium, enterprise

## Integrations

Jenkins, TeamCity, Bamboo, Git, Subversion, Eclipse, IntelliJ, Burp Suite, Jira, Polarian

## Compliance & Certifications

IEC 62304, FDA 21 CFR (Validation Support), ISO 26262, MISRA C/C++, CERT C/C++, CWE

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