

Global Application Security Testing (AST) Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Application Security Testing (AST) market size is predicted to grow from US\$ 4402 million in 2025 to US\$ 12115 million in 2032; it is expected to grow at a CAGR of 15.6% from 2026 to 2032.

Application Security Testing refers to a category of cybersecurity tools, platforms, and professional services used to identify, validate, prioritize, and manage security risks across application source code, binaries, open source components, APIs, mobile clients, web applications, cloud native configurations, and running business systems throughout the software development, testing, release, and operation lifecycle. The core product forms include Static Application Security Testing, Dynamic Application Security Testing, Interactive Application Security Testing, Software Composition Analysis, API Security Testing, Mobile Application Security Testing, Fuzz Testing, Secrets Detection, Application Security Posture Management, and Managed Application Security Testing Services. Major supply regions include the United States, Israel, Canada, the United Kingdom, Switzerland, India, China, South Korea, Japan, and Singapore, while major demand scenarios include financial services, software and internet platforms, public sector, healthcare, retail and e-commerce, industrial manufacturing, automotive software, and cloud services.

As enterprise software assets expand from traditional web applications to mobile applications, APIs, microservices, containers, open source components, and AI assisted development environments, Application Security Testing is moving from isolated vulnerability scanning tools to a security validation infrastructure embedded across the software development lifecycle. Demand from financial institutions, internet platforms, public sector organizations, healthcare providers, and large manufacturers is being driven by faster software delivery cycles, regulatory audits, customer data protection,

and software supply chain transparency. Market opportunities are mainly supported by three structural forces: DevSecOps adoption, which pushes security testing earlier into coding and build stages; growing scrutiny of open source components, third party dependencies, and software bills of materials; and the rapid expansion of APIs, cloud native applications, and mobile business workflows, which makes traditional perimeter based security controls insufficient for application layer risk.

The main industry challenges remain false positives, vulnerability prioritization, developer remediation efficiency, fragmented data across tools, and the continuous change of enterprise application assets. Historically, security testing results were often delivered as scan reports, leading to high alert volume and delayed remediation. The market is now shifting toward next generation platforms built around risk context, code ownership, exploitability validation, runtime signals, and automated remediation guidance. Future demand is expected to concentrate around unified AST platforms, Software Composition Analysis, API Security Testing, Application Security Posture Management, and managed continuous testing services. Buyers are no longer focused only on the vulnerability detection capability of a single testing engine, but increasingly evaluate coverage, accuracy, developer integration depth, compliance evidence, remediation closed loop, and total cost of ownership.

LPI (LP Information)' newest research report, the 'Application Security Testing (AST) Industry Forecast' looks at past sales and reviews total world Application Security Testing (AST) sales in 2025, providing a comprehensive analysis by region and market sector of projected Application Security Testing (AST) sales for 2026 through 2032. With Application Security Testing (AST) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Application Security Testing (AST) industry.

This Insight Report provides a comprehensive analysis of the global Application Security Testing (AST) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Application Security Testing (AST) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Application Security Testing (AST) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Application Security Testing (AST) and breaks down the

forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Application Security Testing (AST).

This report presents a comprehensive overview, market shares, and growth opportunities of Application Security Testing (AST) market by product type, application, key players and key regions and countries.

Segmentation by Type:

Static Application Security Testing

Dynamic Application Security Testing

Other

Segmentation by Product Form:

Unified AST Platform

Standalone Testing Tool

Managed Testing Service

Professional Testing Service and Others

Segmentation by Tested Asset:

Source Code and Binary Code

Third Party Components and Dependencies

Running Web Applications and APIs

Mobile Client Code and Others

Segmentation by Deployment Model:

Cloud Based SaaS

Hybrid Deployment

On Premises Deployment

Segmentation by Application:

Web Applications

Mobile Applications

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Black Duck Software, Inc.

Checkmarx Ltd.

Veracode, Inc.

Snyk, Inc.

OpenText Corporation

HCLSoftware

Invicti Security Corp.

PortSwigger Ltd.

SonarSource S?rl

Mend.io

JFrog Ltd.

GitLab Inc.

Microsoft Corporation

Semgrep, Inc.

Contrast Security, Inc.

Sparrow Co., Ltd.

GMO Flatt Security, Inc.

Appknox Pte. Ltd.

Indusface Pvt. Ltd.

CHT Security Co., Ltd.

QI-ANXIN Technology Group Inc.

Xmirror Security

SecZone

MoreSec

Chaitin Technology

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