

Global Security Testing Market Size Study & Forecast, by Deployment, Type, Testing Tool, End User Industry and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/GB4AA4E93DC5EN.html>

Date: June 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GB4AA4E93DC5EN

Abstracts

The Global Security Testing Market is valued at approximately USD 14.5 billion in 2024 and is expected to witness an impressive CAGR of 24.70% over the forecast period from 2025 to 2035. As cyber threats grow increasingly stealthy and multifaceted, enterprises are being compelled to move beyond conventional cybersecurity practices and lean into dynamic, preventive security testing frameworks. Security testing encompasses a suite of strategies and tools designed to uncover system vulnerabilities, validate security policies, and ensure the integrity of sensitive digital assets. Whether it is web applications, enterprise networks, or cloud-based platforms, the demand for continuous security validation is skyrocketing due to the explosion of data, increasing reliance on distributed systems, and complex compliance requirements.

This surging demand is being reinforced by the widespread digital transformation initiatives undertaken across sectors such as BFSI, healthcare, and government. The rising frequency and severity of cyber breaches—ranging from ransomware incursions to zero-day exploits—are prompting organizations to incorporate security testing not merely as an afterthought but as an integral phase of their software development lifecycle. Cloud-native solutions, automated testing tools, and the integration of AI and ML for real-time threat detection are reshaping the industry landscape. Moreover, the emergence of DevSecOps methodologies is encouraging collaborative efforts across development, security, and operations teams to preempt vulnerabilities right from the design stage, ensuring robust application resilience.

Regionally, North America commands the lion's share of the market, attributed to its well-established IT ecosystem, higher cybersecurity budgets, and stringent data protection regulations such as HIPAA, CCPA, and SOX. The United States, in

particular, is spearheading technological advancement with extensive investments in automated and AI-powered security testing solutions. Europe follows closely, driven by GDPR compliance and a surge in cloud and hybrid infrastructure deployments across industries. Meanwhile, the Asia Pacific region is anticipated to witness the fastest growth during the forecast period, bolstered by rapid digitization in emerging economies like India and Southeast Asia, coupled with increasing awareness around proactive security testing and data protection mandates introduced by governments.

Major market players included in this report are:

IBM Corporation

Cisco Systems, Inc.

Synopsys, Inc.

Hewlett Packard Enterprise Development LP

McAfee, LLC

Rapid7, Inc.

Checkmarx Ltd.

Trustwave Holdings, Inc.

Core Security Technologies

WhiteHat Security, Inc.

Veracode (a Thoma Bravo company)

Qualys, Inc.

FireEye, Inc.

Fortinet, Inc.

Capgemini SE

Global Security Testing Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Deployment:

On-Premise

Cloud

Hybrid

By Type:

Network Security Testing

Application Security Testing

By Testing Tool:

Web Application Testing Tool

Mobile Application Testing Tool

Automated Testing Tool

Code Review Tools

Penetration Testing Tools

Others

By End User Industry:

Government

BFSI

Healthcare

IT & Telecom

Retail

Manufacturing

Energy & Utilities

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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