Global Artificial Intelligence AI Enabled Testing Market To Boom To $1.9 Billion By 2029: Predicts 22.0% CAGR

The Business Research Company's Artificial Intelligence AI Enabled Testing Global Market Report 2025 - Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, June 26, 2025 /EINPresswire.com/ -- The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034

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The [artificial intelligence AI enabled testing market size](#) has grown exponentially in recent years and is forecasted to showcase more growth in the coming years. The market, valued at $0.7 billion in 2024, is estimated to see a rise to $0.86 billion in 2025. This suggests a compound annual growth rate CAGR of 22.3%. This spurt in growth during the historic period has been largely influenced by factors such as the demand for accelerated software development, complexities in software systems, the growing adoption of agile and DevOps methodologies, the requirement for improved test coverage and accuracy, and the mounting pressure to curtail testing costs.

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What Is The Projected Future [Growth Of The Artificial Intelligence AI Enabled Testing Market Size](#)?

The [artificial intelligence AI enabled testing market](#) size is slated for additional expansion in the coming years. Projections for the market size see it growing to $1.9 billion in 2029, keeping up a compound annual growth rate CAGR of 22.0%. This growth in the forecast period can be associated to the emergence of AI-powered test analytics platforms, integration of AI with test management tools, expansion of AI capabilities in continuous testing pipelines, demand for AI-driven security testing solutions, a spread of AI-based testing in IoT and embedded systems. Major trends in the forecast period include the adoption of AI-driven test generation and

execution, the advent of AI-based autonomous testing agents, the growth of AI-enabled predictive testing models, the integration of AI with blockchain testing frameworks, and the expansion of AI-driven testing to edge computing environments.

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What Are The Key Drivers Propelling The Growth Of The Artificial Intelligence AI Enabled Testing Market?
An essential accelerator of progress in the artificial intelligence AI enabled testing market is the rise of cloud computing. With its services ranging from servers, storage, databases, networking to software and analytics, cloud computing is set to offer faster innovation, flexible resources, and economies of scale. Its rise can also be attributed to its capabilities to provide scalability, cost-effectiveness, and accessibility. This helps businesses streamline operations, enhancing flexibility, and adopt advanced technologies without the burden of hefty infrastructure investments. AI-powered testing also plays a key role by generating actionable insights from testing data, assisting stakeholders in making informed decisions regarding the quality and readiness of the software for deployment.

What Key Player Strategies Are Driving The Artificial Intelligence AI Enabled Testing Market?
The artificial intelligence AI enabled testing market domain sees the active operation of companies like Amazon.com Inc.; Google LLC; Microsoft Corporation; Dell Technologies Inc.; Siemens AG; International Business Machines Corporation IBM; Cisco Systems Inc.; Oracle Corporation; Broadcom Inc.; SAP SE; Hewlett Packard Enterprise Company; Salesforce.com Inc.; Adobe Inc.; VMware Inc.; ServiceNow Inc.; Autodesk Inc.; Red Hat Inc.; Twilio Inc.; Citrix Systems Inc.; Atlassian Corporation Plc; RingCentral Inc.; GitHub Inc.; Slack Technologies Inc.; Sonatype Inc.; CA Technologies Inc.

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What Are The Emerging Trends In The Artificial Intelligence AI Enabled Testing Market?
The artificial intelligence AI enabled testing market also witnesses significant strides in innovation. Major companies are developing advanced testing solutions such as application security testing solutions to gain a competitive edge. These solutions aid organizations in proactively identifying and rectifying security vulnerabilities in their software applications, thereby reducing the risk of security breaches and protecting sensitive data from unauthorized access or exploitation.

How Is The Artificial Intelligence AI Enabled Testing Market Segmented?
Segment by Segment, Inroads Into The artificial intelligence AI enabled testing market:
- By Component: Software, Service

- By Deployment: On-Premises, Cloud
- By Technology: Machine Learning And Pattern Recognition, Natural Language Processing NLP, Computer Vision And Image Processing
- By Application: Test Automation, Infrastructure Optimization, Other Applications
- By End User Industry: Healthcare, Information Technology And Telecommunication, Energy And Utilities, Banking, Financial Services, And Insurance BFSI, Government, Other End User Industries

Subsegments:
- By Software: AI-Powered Testing Tools, Automated Testing Solutions, Performance Testing Software, Functional Testing Software
- By Service: AI Testing As A Service TaaS, Consulting Services, Managed services, Support And Maintenance Services

What Are The Regional Insights In The Artificial Intelligence AI Enabled Testing Market?
Zooming in on the regional insights, North America stood as the dominant region in the artificial intelligence AI enabled testing market in 2024 but Asia Pacific is forecasted to be the fastest-growing region in the projected period. Key regions covered in this market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

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