

Global AI-enabled Testing Market Size study & Forecast, by Component (Solution, Services), by Deployment (Cloud, On-premises), by Technology (Machine Learning and Pattern Recognition, Natural Language Processing (NLP), Computer Vision and Image Processing), by Application (Test Automation, Infrastructure Optimization, Others), by End-Use Industry (Healthcare, IT & Telecommunication, Energy & Utilities, BFSI, Government, Others) and Regional Analysis, 2023-2030

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Abstracts

Global AI-enabled Testing Market is valued at approximately USD 414.7 Million in 2022 and is anticipated to grow with a healthy growth rate of more than 18.4% over the forecast period 2023-2030. AI-enabled testing, also known as artificial intelligence in testing, refers to the use of artificial intelligence (AI) and machine learning (ML) techniques to enhance and automate various aspects of software testing. Software testing is a critical part of the software development life cycle, and AI can play a significant role in making it more efficient, accurate, and cost-effective. The key factors driving the market growth is continuous integration and continuous deployment, rising demand for AI and ML applications, and rising shift from manual to automated testing that anticipated to support the market growth.

Moreover, the rising adoption of artificial intelligence (AI) is indeed supporting the growth of the AI-enabled testing market. AI enables the automation of various testing processes, including test case generation, execution, and analysis. This reduces the

need for manual testing efforts, leading to faster and more efficient testing processes. Automated testing can be performed around the clock, accelerating the development cycle. According to Statista, in 2018, the global artificial intelligence (AI) software market was valued USD 10.1 billion and it is anticipated to reach USD 126 billion by 2025. In addition, improved efficiency and accuracy and innovative testing methodologies a major opportunities for the market. However, the non-deterministic nature of AI systems is a major challenge for the market.

The key regions considered for the Global AI-enabled Testing Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the presence of key market players, growing adoption of AI and ML, growing industrialization and cohesive government initiative and policies. Whereas, the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as the increasing digital transformation, rising need for efficient testing, and growing ai and machine learning expertise.

Major market player included in this report are:

Tricentis

Micro Focus International Plc

testRigor

Capgemini SE

Applitools

Diffblue Ltd.

Functionize Inc.

D2L Corp.

ReTest GmbH

Sauce Labs Inc.

Recent Developments in the Market:

In Feb, 2023, Micro Focus, a cybersecurity expert, was acquired by OpenText. With this purchase, OpenText's corporate goal broadens to support business professionals in securing their operations, gaining more visibility into their data, and managing a digital fabric that is becoming more hybrid and complicated.

Global AI-enabled Testing Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Component, Deployment, Technology, Application, End-Use, Region

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

Customization Scope - Free report customization (equivalent up to 8 analyst's 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 to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Component:

Solution

Services

By Deployment:

Cloud

On-premises

By Technology:

Machine Learning and pattern Recognition

Natural Language Processing (NLP)

Computer Vision and Image Processing

By Application:

Test Automation

Infrastructure Optimization

Others

By End-Use:

Healthcare

IT & Telecommunication

Energy & Utilities

BFSI

Government

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

Saudi Arabia

South Africa

Rest of Middle East & Africa

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