

# Generative AI In DevOps Market In 2029

*The Business Research Company's  
Generative AI In DevOps Market In 2029*

LONDON, GREATER LONDON, UNITED KINGDOM, December 11, 2025 /EINPresswire.com/ -- "Generative AI In DevOps Market to Surpass \$10 billion in 2029. In comparison, the Artificial Intelligence Services market, which is considered as its parent market, is expected to be approximately \$184 billion by 2029, with Generative AI In DevOps to represent around 5% of the parent market. Within the broader Information Technology industry, which is expected to be \$12,711 billion by 2029, the Generative AI In DevOps market is estimated to account for nearly 0.1% of the total market value.

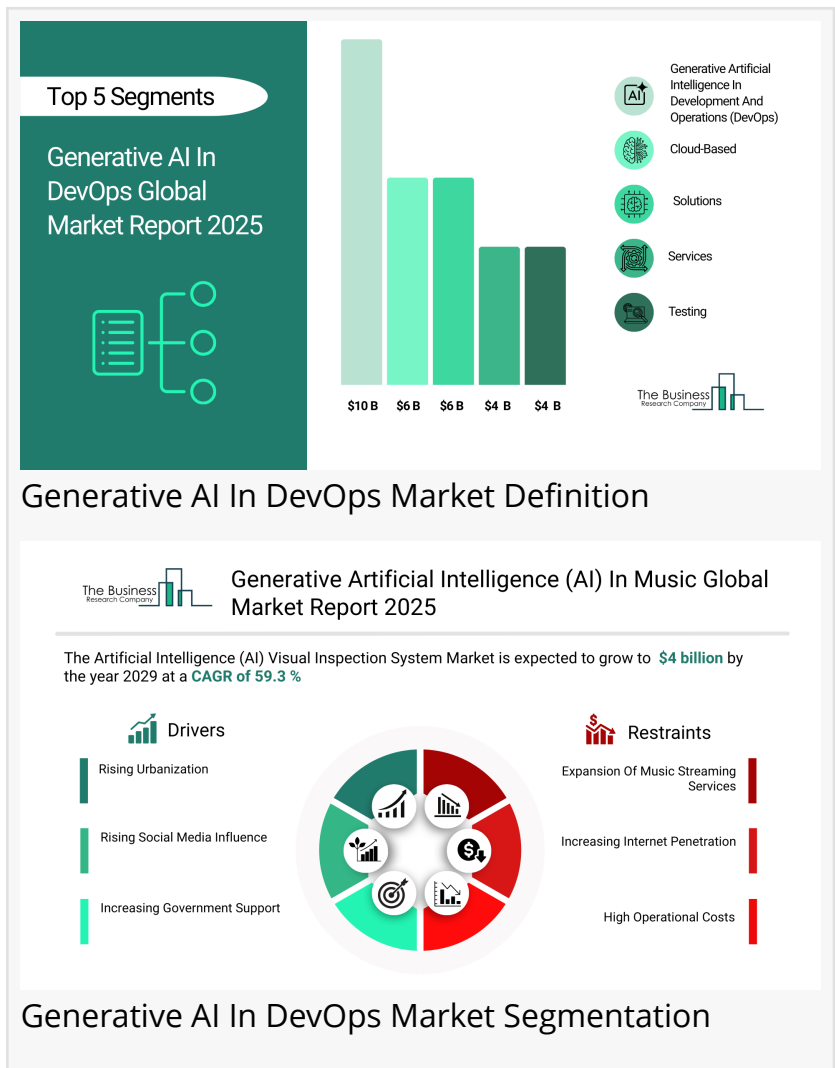
Which Will Be the Biggest Region in the Generative AI In DevOps Market in 2029

Asia Pacific will be the largest region in the generative AI in devops market in 2029, valued at \$3,752 million The market is expected to grow from \$581 million 2024 at a compound annual growth rate (CAGR) of 45%. The exponential growth can be attributed to the increasing digital transformation across industries and increasing internet penetration.

Which Will Be The Largest Country In The Global Generative AI In DevOps Market In 2029?

The USA will be the largest country in the generative AI in devops market in 2029, valued at \$2,367 million. The market is expected to grow from \$558 million in 2024 at a compound annual growth rate (CAGR) of 34% The exponential growth can be attributed to the rise in investment in the market.

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What will be Largest Segment in the Generative AI In DevOps Market in 2029?

The generative AI in devops market is segmented by component into solutions and services. The solutions market will be the largest segment of the generative AI in devops market segmented by component, accounting

for 57% or \$5,669 million of the total in 2029. The solutions market will be supported by the emphasis on data-driven decision making, the development of user-friendly AI tools, the integration of AI across industries and increasing technological advancements.

The generative AI in devops market is segmented by deployment mode into on-premise and cloud-based. The cloud-based market will be the largest segment of the generative AI in devops market segmented by deployment mode accounting for 63% or \$6,346 million of the total in 2029. The cloud-based market will be supported by increased investment in AI infrastructure, the growing adoption of automation, the rise of AI-powered personal assistants and rising use of AI in personalized solutions.

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The market is then expected to grow at a CAGR of 37.63% from 2029 and reach \$47,307.93 million in 2034. ”

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The generative AI in devops market is segmented by

application into testing, deployment, monitoring, maintenance and other applications. The testing market will be the largest segment of the generative AI in devops market segmented by application, accounting for 35% or \$3,528 million of the total in 2029. The testing market will be supported by increasing usage of artificial intelligence, increasing digital transformation across industries and rising investment in AI startups.

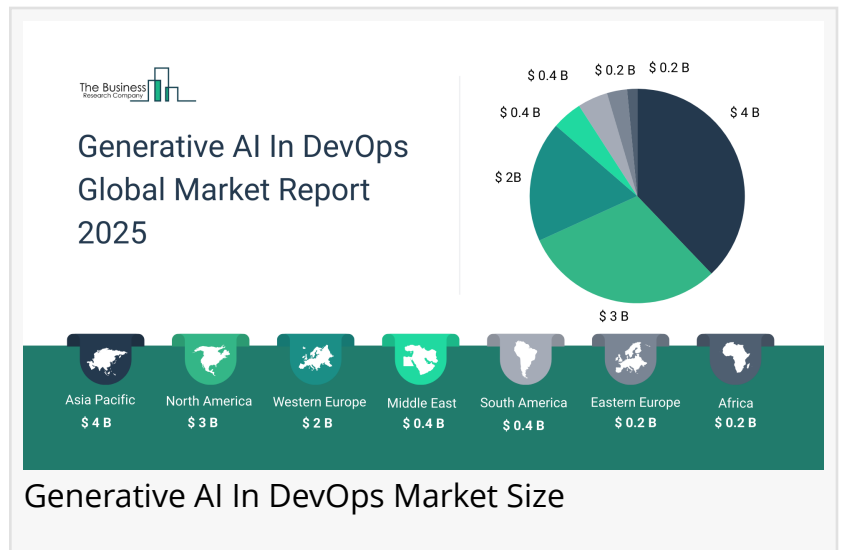
What is the expected CAGR for the Generative AI In DevOps Market leading up to 2029?

The expected CAGR for the generative AI in devops market leading up to 2029 is 38%.

What Will Be The Growth Driving Factors In The Global Generative AI In DevOps Market In The Forecast Period?

The rapid growth of the global generative AI in devops market leading up to 2029 will be driven by the following key factors that are expected to reshape software development, deployment automation, and IT operations management worldwide.

Growing Adoption Of Automation- The increasing emphasis on adoption of automation will become a key driver of growth in the generative AI in devops market by 2029. The growing



adoption of automation in DevOps is driving demand for generative AI, as it enhances efficiency, by automating repetitive tasks like code generation, testing and deployment. This accelerates development cycles, reduces human error and supports continuous integration and delivery in software development.

**Rising Investment In AI Startups-** The growing focus on investment in AI startups will emerge as a major factor driving the expansion of the generative AI in devops market by 2029. Increasing investments in artificial intelligence startups are driving innovation and accelerating the development of advanced generative artificial intelligence solutions for development and operations (DevOps). These investments support the creation of tools that optimize software development, deployment and operational efficiency, aligning with the growing market demand.

**Increasing Usage Of Artificial Intelligence-** The expanding integration of artificial intelligence processes will serve as a key growth catalyst for the generative AI in devops market by 2029. As organizations increasingly integrate AI into their DevOps processes, it enhances automation, efficiency and scalability, supporting faster and more innovative development cycles.

**Favorable Government Initiatives-** The increasing emphasis on government initiatives will become a significant driver contributing to the growth of the generative AI in devops market by 2029. Government initiatives, such as funding for AI research and development, are expected to boost the adoption of generative artificial intelligence (AI) in DevOps. These initiatives encourage innovation, enhance automation in software development and streamline operations.

Access the detailed Generative AI In DevOps Market report here:

<https://www.thebusinessresearchcompany.com/report/generative-ai-in-devops-market>

**What Are The Key Growth Opportunities In The Generative AI In DevOps Market in 2029?**

The most significant growth opportunities are anticipated in the generative AI in devops solutions market, the cloud-based generative AI in devops market, and the generative AI in devops and testing market. Collectively, these segments are projected to contribute over \$13 billion in market value by 2029, driven by the rising demand for automated CI/CD pipelines, the need to accelerate software delivery cycles, and increasing adoption of AI-driven code generation and testing workflows. This surge reflects the expanding reliance on generative AI to enhance developer productivity, reduce manual bottlenecks, and enable intelligent decision-making across the software development lifecycle, fueling transformative growth within the broader generative AI in DevOps landscape.

The cloud-based generative AI in devops market is projected to grow by \$5,175 million, the generative AI in devops solutions market by \$4,511 million, and the generative AI in devops and testing market by \$2,840 million over the next five years from 2024 to 2029.

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