

Global DevSecOps Market Size Study, by Component (Solution and Services), by Deployment Type (On-premises and Cloud), by Organization Size, by Vertical (BFSI, IT and Telecommunications, Manufacturing, and Government and Public Sector), and Regional Forecasts 2022-2032

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Abstracts

The Global DevSecOps Market, valued at approximately USD 5.9 billion in 2023, is set for an unprecedented expansion, surging at a CAGR of 31.2% over the forecast period 2024-2032. As organizations accelerate their digital transformation journeys, the demand for integrated security within the software development lifecycle (SDLC) has soared. DevSecOps—a transformative approach that embeds security practices directly into DevOps workflows—is revolutionizing software delivery, ensuring applications remain resilient, secure, and compliant in an era of heightened cyber threats and regulatory scrutiny.

With the increasing complexity of software supply chains, enterprises are aggressively investing in automation, continuous security testing, and compliance-driven development frameworks. The surge in cloud-native applications, microservices architecture, and containerized environments has further amplified the need for real-time security monitoring and proactive vulnerability assessment. Additionally, the rise of AI-driven security analytics is enabling businesses to detect and neutralize threats before they compromise critical infrastructure. However, despite these advancements, cultural resistance to security automation and the complexity of integrating DevSecOps across existing IT ecosystems remain key challenges hindering seamless adoption.

The rapid proliferation of cloud computing, Infrastructure-as-Code (IaC), and AI-driven

security protocols is driving widespread DevSecOps adoption across industries. As compliance mandates tighten—with regulations like GDPR, HIPAA, and CCPA enforcing stringent security policies—organizations are prioritizing automated security testing, policy-as-code implementation, and continuous compliance monitoring. Meanwhile, collaborations between cybersecurity firms, cloud service providers, and software development teams are fostering next-gen security models, ensuring that security vulnerabilities are identified and mitigated early in the development lifecycle.

North America leads the DevSecOps market, driven by high cloud adoption, sophisticated cyber threat landscapes, and stringent regulatory frameworks. The United States dominates, with enterprises leveraging AI-driven threat intelligence, compliance automation, and zero-trust security models to fortify their software development pipelines. Europe follows, with countries like Germany, the UK, and France implementing strict cybersecurity directives and investing heavily in secure software development practices. Meanwhile, Asia-Pacific is expected to witness the fastest growth, propelled by digital transformation initiatives, government-backed cybersecurity frameworks, and increasing cloud-native application deployments in China, India, and Japan. The Latin American and Middle East & African regions are also emerging markets, with companies embracing security-first DevOps methodologies to combat rising cyber risks and regulatory non-compliance challenges.

Major Market Players Included in This Report:

Microsoft Corporation

Google LLC

IBM Corporation

Amazon Web Services, Inc. (AWS)

GitLab Inc.

GitHub, Inc.

Micro Focus International plc

Checkmarx Ltd.

Synopsys, Inc.

Qualys, Inc.

Red Hat, Inc.

Palo Alto Networks, Inc.

Rapid7, Inc.

CyberArk Software Ltd.

Fortinet, Inc.

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Component:

Solution

Services

By Deployment Type:

On-premises

Cloud

By Organization Size:

Small and Medium Enterprises (SMEs)

Large Enterprises

By Vertical:

BFSI

IT and Telecommunications

Manufacturing

Government and Public Sector

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenue and regional-level analysis for each market segment.

Detailed examination of the geographical landscape with country-level insights.

Competitive landscape profiling of major market players.

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

Evaluation of the competitive structure, including demand-side and supply-side factors driving market expansion.

Contents

CHAPTER 1. GLOBAL DEVSECOPS MARKET EXECUTIVE SUMMARY

- 1.1. Global DevSecOps Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Component
 - Solution
 - Services
 - 1.3.2. By Deployment Type
 - On-premises
 - Cloud
 - 1.3.3. By Organization Size
 - Small and Medium Enterprises (SMEs)
 - Large Enterprises
 - 1.3.4. By Vertical
 - BFSI
 - IT and Telecommunications
 - Manufacturing
 - Government and Public Sector
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL DEVSECOPS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)

- 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL DEVSECOPS MARKET DYNAMICS

- 3.1. Market Drivers
 - 3.1.1. Rising demand for integrated security in SDLC amid digital transformation
 - 3.1.2. Rapid proliferation of cloud computing, IaC, and containerized environments
 - 3.1.3. Increasing adoption of AI-driven security analytics and continuous compliance monitoring
- 3.2. Market Challenges
 - 3.2.1. Cultural resistance to security automation
 - 3.2.2. Complexity of integrating DevSecOps into existing IT ecosystems
 - 3.2.3. High technology implementation costs and training requirements
- 3.3. Market Opportunities
 - 3.3.1. Expanding adoption of automated security testing and policy-as-code solutions
 - 3.3.2. Strategic alliances between cybersecurity firms and cloud service providers
 - 3.3.3. Rapid market expansion in emerging economies undergoing digital transformation

CHAPTER 4. GLOBAL DEVSECOPS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical

- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal
- 4.3. Top Investment Opportunity
- 4.4. Top Winning Strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL DEVSECOPS MARKET SIZE & FORECASTS BY COMPONENT 2022-2032

- 5.1. Segment Dashboard
- 5.2. Global DevSecOps Market: Component Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 5.2.1. Solution
 - 5.2.2. Services

CHAPTER 6. GLOBAL DEVSECOPS MARKET SIZE & FORECASTS BY DEPLOYMENT TYPE 2022-2032

- 6.1. Segment Dashboard
- 6.2. Global DevSecOps Market: Deployment Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 6.2.1. On-premises
 - 6.2.2. Cloud

CHAPTER 7. GLOBAL DEVSECOPS MARKET SIZE & FORECASTS BY ORGANIZATION SIZE 2022-2032

- 7.1. Segment Dashboard
- 7.2. Global DevSecOps Market: Organization Size Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 7.2.1. Small and Medium Enterprises (SMEs)
 - 7.2.2. Large Enterprises

CHAPTER 8. GLOBAL DEVSECOPS MARKET SIZE & FORECASTS BY VERTICAL 2022-2032

8.1. Segment Dashboard

8.2. Global DevSecOps Market: Vertical Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

8.2.1. BFSI

8.2.2. IT and Telecommunications

8.2.3. Manufacturing

8.2.4. Government and Public Sector

CHAPTER 9. GLOBAL DEVSECOPS MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1. North America DevSecOps Market

9.1.1. U.S. DevSecOps Market

9.1.1.1. Component Breakdown & Forecasts, 2022-2032 (USD Million/Billion)

9.1.1.2. Deployment Type Breakdown & Forecasts, 2022-2032 (USD Million/Billion)

9.1.1.3. Organization Size Breakdown & Forecasts, 2022-2032 (USD Million/Billion)

9.1.1.4. Vertical Breakdown & Forecasts, 2022-2032 (USD Million/Billion)

9.1.2. Canada DevSecOps Market

9.2. Europe DevSecOps Market

9.2.1. U.K. DevSecOps Market

9.2.2. Germany DevSecOps Market

9.2.3. France DevSecOps Market

9.2.4. Spain DevSecOps Market

9.2.5. Italy DevSecOps Market

9.2.6. Rest of Europe DevSecOps Market

9.3. Asia-Pacific DevSecOps Market

9.3.1. China DevSecOps Market

9.3.2. India DevSecOps Market

9.3.3. Japan DevSecOps Market

9.3.4. Australia DevSecOps Market

9.3.5. South Korea DevSecOps Market

9.3.6. Rest of Asia-Pacific DevSecOps Market

9.4. Latin America DevSecOps Market

9.4.1. Brazil DevSecOps Market

9.4.2. Mexico DevSecOps Market

9.4.3. Rest of Latin America DevSecOps Market

9.5. Middle East & Africa DevSecOps Market

9.5.1. Saudi Arabia DevSecOps Market

9.5.2. South Africa DevSecOps Market

9.5.3. Rest of Middle East & Africa DevSecOps Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Key Company SWOT Analysis

10.1.1. Microsoft Corporation

10.1.2. Google LLC

10.1.3. IBM Corporation

10.2. Top Market Strategies

10.3. Company Profiles

10.3.1. Microsoft Corporation

10.3.1.1. Key Information

10.3.1.2. Overview

10.3.1.3. Financial (Subject to Data Availability)

10.3.1.4. Product Summary

10.3.1.5. Market Strategies

10.3.2. Amazon Web Services, Inc. (AWS)

10.3.3. GitLab Inc.

10.3.4. GitHub, Inc.

10.3.5. Micro Focus International plc

10.3.6. Checkmarx Ltd.

10.3.7. Synopsys, Inc.

10.3.8. Qualys, Inc.

10.3.9. Red Hat, Inc.

10.3.10. Palo Alto Networks, Inc.

10.3.11. Rapid7, Inc.

10.3.12. CyberArk Software Ltd.

10.3.13. Fortinet, Inc.

CHAPTER 11. RESEARCH PROCESS

11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

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