

Global MLOps Market Size Study & Forecast, by Component (Platform, Service), by Deployment (Cloud, On-premise), by Organization Size (SMEs, Large Enterprises), by Vertical (BFSI, Healthcare & Life Sciences, Retail & E-Commerce, IT & Telecom, Energy & Utilities, Government & Public Sector, Media & Entertainment, Others), and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G624A9793AF9EN.html>

Date: March 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G624A9793AF9EN

Abstracts

Global MLOps Market is valued at approximately USD 1.19 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 39.7% during the forecast period 2023-2030. MLOps, or Machine Learning Operations, encompasses practices, tools, and methodologies aimed at streamlining the deployment, monitoring, and management of Machine Learning (ML) models in production environments. It integrates principles from DevOps to bridge the gap between data science and IT operations. Key components include version control for ML models and data, automated testing, CI/CD pipelines, model monitoring, and infrastructure management for scalable ML deployments. MLOps facilitates collaboration between data scientists, engineers, and operations teams, ensuring robust, reliable, and scalable ML models while upholding governance, compliance, and security standards. It plays a vital role in operationalizing ML, enabling organizations to derive value from their investments and drive innovation across various domains such as healthcare, finance, and e-commerce. The growing focus on the standardization of ML processes for effective teamwork, and improved efficiency due to increased monitorability, coupled with increased productivity and quicker AI implementation are the most prominent factors that are propelling the market demand across the globe.

In addition, the rapid shift towards cloud-based infrastructure and tools facilitates easier access to AI development and deployment for a wider range of users. According to Statista, the expenditure on cloud IT infrastructure accounts for nearly USD 94 billion in 2023, which is anticipated to surge to USD 133.7 billion by 2026. The expansion of public cloud infrastructure remains a significant catalyst for IT spending growth. Key players dominating the market landscape comprise Dell Technologies, HPE, Inspur, Lenovo, IBM, and Huawei. MLOps platforms leverage cloud capabilities to provide scalable, agile, and accessible solutions. Moreover, the rise in the use of machine learning in the financial sector, as well as the surge in demand for ML/AI-based projects among businesses presents various lucrative opportunities over the forecast years. However, the difficulty in managing various pipelines and the risk of raw data manipulation is hindering the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global MLOps Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the region's robust research and development competencies in Artificial Intelligence (AI), supported by well-established economies, research institutions, and leading AI firms. The growing investment in advanced technologies aimed at augmenting customer experiences and optimizing business operations is poised to create lucrative growth prospects across North America. Additionally, the region boasts sophisticated AI research and development capabilities, with substantial investments in AI-related technologies. Furthermore, North America has implemented policies conducive to fostering AI development. For instance, in December 2022, Allegro AI, an open-source company, announced significant growth milestones in user base, revenue, and collaborations, further underscoring the region's commitment to advancing AI innovation. Whereas, Asia Pacific is expected to grow at the highest CAGR over the forecast years. The rapid growth of the cloud computing sector, along with key players like Amazon Web Services, Inc., Microsoft, and Google expanding their footprint are significantly propelling the market demand across the region. Cloud-based MLOps solutions are projected to witness substantial adoption in the region, as organizations integrate the scalability and flexibility of cloud infrastructure. Moreover, governments and enterprises across the APAC region are making significant investments in AI and machine learning, thereby fueling the demand for MLOps solutions capable of facilitating the development and deployment of machine learning models at scale.

Major market players included in this report are:

International Business Machines (IBM) Corporation

Microsoft Corporation

Google LLC

Amazon Web Services, Inc.

Hewlett Packard Enterprise Development LP

Neptune Labs, Inc.

DataRobot, Inc.

Dataiku.

ALTERYX, Inc.

GAVS Technologies N.A., Inc.

Recent Developments in the Market:

In April 2023, Canonical Ltd., a renowned computer software company, unveiled the release of Charmed Kubeflow, its machine learning operations toolkit, on Amazon Web Services Inc.'s cloud marketplace. This launch caters to businesses seeking to initiate and advance their machine learning and artificial intelligence endeavors effectively.

In May 2022, GAVS Technologies announced its collaboration with NTT Ltd., marking the integration of the ZIF AIOps platform into NTT Ltd.'s Infrastructure Managed Services (IMS).

In January 2021, Alteryx partnered with Snowflake to meet the increasing demand in the market. This partnership merges Alteryx's data science and automation capabilities with Snowflake's platform to provide shared customers with automated data pipelining, accelerated data processing, and enhanced analytics capabilities at scale.

Global MLOps 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, Organization Size, Vertical, 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:

Platform

Service

By Deployment:

Cloud

On-premise

By Organization Size:

SMEs

Large Enterprises

By Vertical:

BFSI

Healthcare & Life Sciences

Retail & E-Commerce

IT & Telecom

Energy & Utilities

Government & Public Sector

Media & Entertainment

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

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. MLOps Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. MLOps Market, by Component, 2020-2030 (USD Billion)
 - 1.2.3. MLOps Market, by Deployment, 2020-2030 (USD Billion)
 - 1.2.4. MLOps Market, by Organization Size, 2020-2030 (USD Billion)
 - 1.2.5. MLOps Market, by Vertical, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL MLOPS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL MLOPS MARKET DYNAMICS

- 3.1. MLOps Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rapid shift towards cloud-based infrastructure
 - 3.1.1.2. Rising focus on the standardization of ML processes for effective teamwork
 - 3.1.2. Market Challenges
 - 3.1.2.1. Difficulty in managing various pipelines
 - 3.1.2.2. Risk of raw data manipulation
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rise in use of machine learning in financial sector
 - 3.1.3.2. Surge in demand for ML/AI-based projects among businesses

CHAPTER 4. GLOBAL MLOPS 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MLOPS MARKET, BY COMPONENT

- 5.1. Market Snapshot
- 5.2. Global MLOps Market by Component, Performance - Potential Analysis
- 5.3. Global MLOps Market Estimates & Forecasts by Component 2020-2030 (USD Billion)
- 5.4. MLOps Market, Sub Segment Analysis
 - 5.4.1. Platform
 - 5.4.2. Service

CHAPTER 6. GLOBAL MLOPS MARKET, BY DEPLOYMENT

- 6.1. Market Snapshot
- 6.2. Global MLOps Market by Deployment, Performance - Potential Analysis
- 6.3. Global MLOps Market Estimates & Forecasts by Deployment 2020-2030 (USD Billion)
- 6.4. MLOps Market, Sub Segment Analysis
 - 6.4.1. Cloud

6.4.2. On-premise

CHAPTER 7. GLOBAL MLOPS MARKET, BY ORGANIZATION SIZE

7.1. Market Snapshot

7.2. Global MLOps Market by Organization Size, Performance - Potential Analysis

7.3. Global MLOps Market Estimates & Forecasts by Organization Size 2020-2030 (USD Billion)

7.4. MLOps Market, Sub Segment Analysis

7.4.1. SMEs

7.4.2. Large Enterprises

CHAPTER 8. MLOPS MARKET, BY VERTICAL

8.1. Market Snapshot

8.2. Global MLOps Market by Vertical, Performance - Potential Analysis

8.3. Global MLOps Market Estimates & Forecasts by Vertical 2020-2030 (USD Billion)

8.4. MLOps Market, Sub Segment Analysis

8.4.1. BFSI

8.4.2. Healthcare & Life Sciences

8.4.3. Retail & E-Commerce

8.4.4. IT & Telecom

8.4.5. Energy & Utilities

8.4.6. Government & Public Sector

8.4.7. Media & Entertainment

8.4.8. Others

CHAPTER 9. GLOBAL MLOPS MARKET, REGIONAL ANALYSIS

9.1. Top Leading Countries

9.2. Top Emerging Countries

9.3. MLOps Market, Regional Market Snapshot

9.4. North America MLOps Market

9.4.1. U.S. MLOps Market

9.4.1.1. Component breakdown estimates & forecasts, 2020-2030

9.4.1.2. Deployment breakdown estimates & forecasts, 2020-2030

9.4.1.3. Organization Size breakdown estimates & forecasts, 2020-2030

9.4.1.4. Vertical breakdown estimates & forecasts, 2020-2030

9.4.2. Canada MLOps Market

- 9.5. Europe MLOps Market Snapshot
 - 9.5.1. U.K. MLOps Market
 - 9.5.2. Germany MLOps Market
 - 9.5.3. France MLOps Market
 - 9.5.4. Spain MLOps Market
 - 9.5.5. Italy MLOps Market
 - 9.5.6. Rest of Europe MLOps Market
- 9.6. Asia-Pacific MLOps Market Snapshot
 - 9.6.1. China MLOps Market
 - 9.6.2. India MLOps Market
 - 9.6.3. Japan MLOps Market
 - 9.6.4. Australia MLOps Market
 - 9.6.5. South Korea MLOps Market
 - 9.6.6. Rest of Asia Pacific MLOps Market
- 9.7. Latin America MLOps Market Snapshot
 - 9.7.1. Brazil MLOps Market
 - 9.7.2. Mexico MLOps Market
- 9.8. Middle East & Africa MLOps Market
 - 9.8.1. Saudi Arabia MLOps Market
 - 9.8.2. South Africa MLOps Market
 - 9.8.3. Rest of Middle East & Africa MLOps Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. International Business Machines (IBM) 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. Recent Developments
 - 10.3.2. Microsoft Corporation
 - 10.3.3. Google LLC
 - 10.3.4. Amazon Web Services, Inc.

10.3.5. Hewlett Packard Enterprise Development LP

10.3.6. Neptune Labs, Inc.

10.3.7. DataRobot, Inc.

10.3.8. Dataiku.

10.3.9. ALTERYX, Inc.

10.3.10. GAVS Technologies N.A., 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

11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global MLOps Market, report scope

TABLE 2. Global MLOps Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global MLOps Market estimates & forecasts by Component 2020-2030 (USD Billion)

TABLE 4. Global MLOps Market estimates & forecasts by Deployment 2020-2030 (USD Billion)

TABLE 5. Global MLOps Market estimates & forecasts by Organization Size 2020-2030 (USD Billion)

TABLE 6. Global MLOps Market estimates & forecasts by Vertical 2020-2030 (USD Billion)

TABLE 7. Global MLOps Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global MLOps Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global MLOps Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global MLOps Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global MLOps Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global MLOps Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global MLOps Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global MLOps Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. Global MLOps Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. Global MLOps Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 17. U.S. MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 18. U.S. MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 19. U.S. MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

Billion)

TABLE 20. Canada MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 21. Canada MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. Canada MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 24. UK MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. UK MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 27. Germany MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. Germany MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 30. France MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. France MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 33. Italy MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Italy MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 36. Spain MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. Spain MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 39. RoE MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. RoE MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 42. China MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 43. China MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 45. India MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 46. India MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 48. Japan MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 49. Japan MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 51. South Korea MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. South Korea MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 54. Australia MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. Australia MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 57. RoAPAC MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. RoAPAC MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 60. Brazil MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Brazil MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. Mexico MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. Mexico MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. RoLA MLOps Market estimates & forecasts by segment 2020-2030 (USD

Billion)

TABLE 67. RoLA MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. Saudi Arabia MLOps Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 69. South Africa MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. RoMEA MLOps Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 71. List of secondary sources, used in the study of global MLOps Market

TABLE 72. List of primary sources, used in the study of global MLOps Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global MLOps Market, research methodology
 - FIG 2. Global MLOps Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global MLOps Market, key trends 2022
 - FIG 5. Global MLOps Market, growth prospects 2023-2030
 - FIG 6. Global MLOps Market, porters 5 force model
 - FIG 7. Global MLOps Market, pest analysis
 - FIG 8. Global MLOps Market, value chain analysis
 - FIG 9. Global MLOps Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global MLOps Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global MLOps Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global MLOps Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global MLOps Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global MLOps Market, regional snapshot 2020 & 2030
 - FIG 15. North America MLOps Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe MLOps Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific MLOps Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America MLOps Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa MLOps Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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