

Cloud-Based DevOps Tools Market By Product Type (Public Cloud, Private Cloud, Hybrid Cloud) , By End User (Large Enterprises, Small and Medium-sized Enterprises (SMEs)) By Application (BFSI, Retail and E-commerce, Healthcare, Government, Manufacturing, IT and Telecom, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

Cloud-Based DevOps Tools Market

The cloud-based DevOps tools market was valued at \$4.7 billion in 2023 and is projected to reach \$28.5 billion by 2033, growing at a CAGR of 19.8% from 2024 to 2033.

A cloud-based DevOps tool is an application that assists in several stages of software development over the cloud. The tool facilitates continuous integration, continuous delivery, infrastructure management, automated testing, and collaboration among teams. The major benefits of cloud-based DevOps tools include their quick response to market demands, cost efficiency, flexibility, and improved quality of software due to automation.

Advancements in IT operations have upsurged the need for agile software development solutions, which is a key driver of the cloud-based DevOps tools market. In addition, the flexibility of scaling cloud infrastructure as per project requirements without significant investments propels the development of the market. Furthermore, the compatibility of cloud-based DevOps tools with ingenious technologies such as AI and the Internet of Things augments the market growth significantly. An emerging trend projected to

dominate the market in the future is the advent of serverless architecture, which enables the development of applications without the management of servers. This architecture is expected to reduce operational overhead and enhance scalability.

However, challenges associated with switching cloud platforms due to vendor lock-in hamper the development of the cloud-based DevOps tools market. Moreover, concerns pertaining to security breaches and data privacy over the cloud limit the adoption of the tool and restrain the market growth significantly. On the contrary, expansion of the digital infrastructure across various sectors has driven the requirement for reliable solutions to minimize the failure of online services. This requirement is projected to present lucrative opportunities for the cloud-based DevOps tools market. According to Google Cloud's DevOps Research and Assessment report, DevOps platforms have reduced the failure rate of services to less than 15% as it enables restoration of services within a day after incidence. Therefore, the instant performance of cloud-based DevOps tools is poised to open new avenues for the market expansion.

Segment Review

The cloud-based DevOps tools market is segmented into product type, end user, application, and region. On the basis of product type, the market is divided into public cloud, private cloud, and hybrid cloud. Depending on end user, it is bifurcated into large enterprises and small- & medium-sized enterprises (SMEs). As per application, it is classified into BFSI, retail and e-commerce, healthcare, government, manufacturing, IT & telecom, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of product type, the public cloud segment acquired a high stake in the market in 2023.

Depending on end user, the large enterprises segment held a high share of the market in 2023.

As per application, the IT & telecom segment dominated the market in 2023.

Region wise, North America was the highest revenue generator in 2023.

Competition Analysis

The major players of the global cloud-based DevOps tools market include Amazon Web Services, Inc., AsialInfo Technologies Limited, BMC Software, Inc., Broadcom, Inc., Cisco Systems, Inc., Datadog, Dynatrace LLC, IBM Corporation, Microsoft Corporation, Oracle Corporation, Alibaba Group, NetScout, New Relic, Splunk Inc., and Zenoss Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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End user preferences and pain points

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Technology Trend Analysis

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Brands Share Analysis

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Key Market Segments

By Product Type

Public Cloud

Private Cloud

Hybrid Cloud

By End User

Large Enterprises

Small and Medium-sized Enterprises (SMEs)

By Application

BFSI

Retail and E-commerce

Healthcare

Government

Manufacturing

IT and Telecom

Others

By Region

North America

U.S.

Canada

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

Amazon Web Services, Inc.

AsialInfo Technologies Limited

BMC Software, Inc.

Broadcom, Inc.

Cisco Systems, Inc.

Datadog

Dynatrace LLC

IBM Corporation

Microsoft Corporation

Oracle Corporation

Alibaba Group

NetScout

New Relic

Splunk Inc.

Zenoss Inc.

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