



2024 GARTNER® MAGIC QUADRANT™ FOR DEVOPS PLATFORMS

The Future of Software Delivery

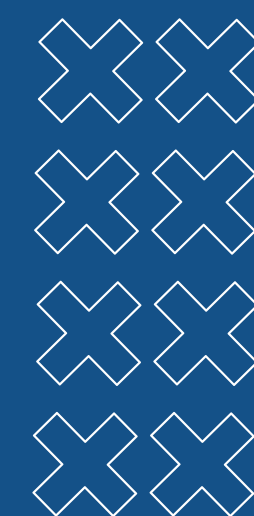
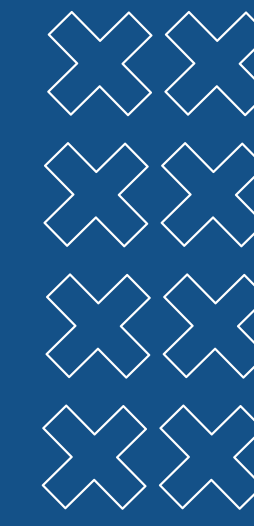


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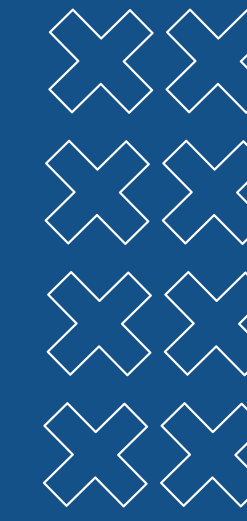
1. INTRODUCTION

As the demands of modern software development grow more complex, DevOps platforms have emerged as a critical tool for organizations aiming to streamline their software delivery processes. Traditionally, development teams have relied on a mix of tools and services to manage their development pipelines, leading to complex toolchains and workflows.

This fragmented approach is being replaced by unified DevOps platforms, which offer a cohesive set of capabilities across the entire development lifecycle.

DevOps platforms reduce complexity, improve security, and accelerate software delivery, making them an essential investment for organizations focused on agility and efficiency.

This ebook explores the growing importance of DevOps platforms, the market trends driving their adoption, and a detailed overview of the top vendors in the market as presented in the 2024 Magic Quadrant.



CHALLENGERS

J Frog
Circle CI
Cloud Bees
Red Hat

LEADERS

Git Lab
Microsoft
Atlassian
Harness

↑
ABILITY TO EXECUTE

NICHE PLAYERS

Buildkit
JetBrains

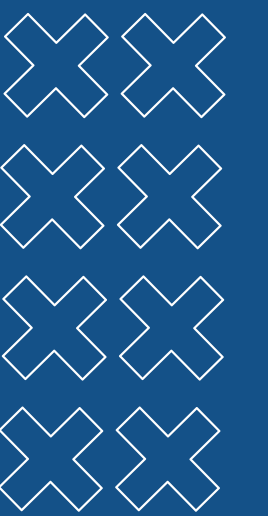
VISIONARIES

Amazon Web Services

COMPLETENESS OF VISION →

As of May 2024

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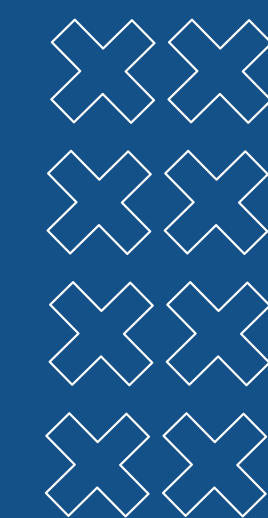


2. STRATEGIC PLANNING ASSUMPTION

By 2027, Gartner estimates that **80% of organizations will incorporate a DevOps platform into their development toolchains** to streamline software delivery and reduce complexity—an impressive increase from 25% in 2023.

This projection underscores the urgent need for organizations to evaluate their DevOps strategies and consider integrating a comprehensive platform solution.

Organizations that adopt DevOps platforms are expected to see improvements in team collaboration, security, and faster time-to-market for new products. The use of DevOps platforms not only simplifies tool management but also reduces cognitive load for developers, allowing them to focus on creating customer value.



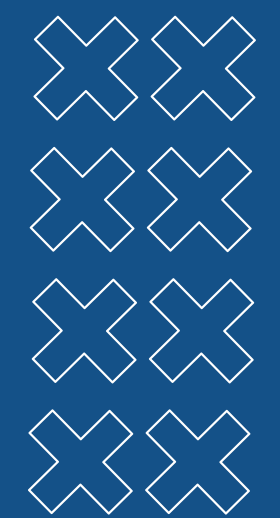
3. MARKET DEFINITION/DESCRIPTION

Gartner defines DevOps platforms as those that provide fully integrated capabilities enabling the continuous delivery of software using Agile and DevOps practices. These platforms cover the entire software delivery lifecycle, from development to deployment, and include features like version control, testing, security, documentation, and compliance.

The core of DevOps platforms revolves around the **CI/CD (Continuous Integration/Continuous Delivery) pipeline**, which helps automate key processes, such as building, testing, and deploying code. By providing visibility into the development process and creating a unified user experience (UX), these platforms enable teams to improve collaboration, maintain consistency, and measure software delivery performance.

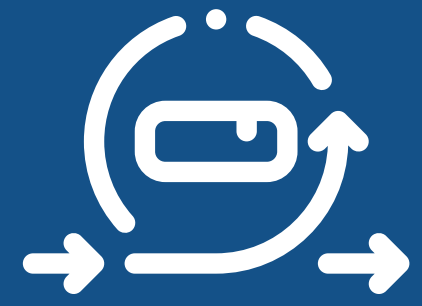
Key benefits of DevOps platforms include:

- **Simplified workflows** that reduce toolchain complexity
- **Improved visibility and traceability** throughout the SDLC (Software Development Life Cycle)
- **Faster delivery cycles** without compromising quality
- **Enhanced security and compliance**, thanks to automated testing and auditing



4. KEY USE CASES FOR DEVOPS PLATFORMS

DevOps platforms cater to a wide variety of use cases, which reflect the growing diversity of modern software development needs. These platforms are designed to support multiple workflows, including:



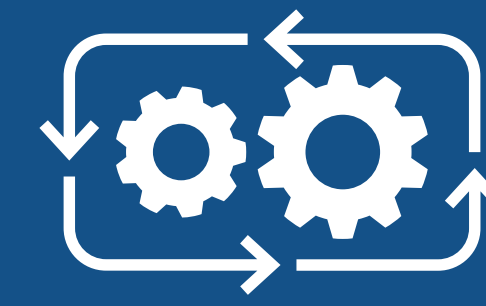
1 Agile Software Delivery

Operationalizing Agile practices for faster, iterative development.



2 Cloud-Native Application Delivery

Building and deploying applications across hybrid and multicloud environments.



3 MLOps

Managing machine learning models, including versioning, feedback loops, and deployment.



4 Mobile App Delivery

Supporting native and mobile web application development.



5 Platform Engineering

Providing self-service platforms for developers to scale DevOps and engineering practices.

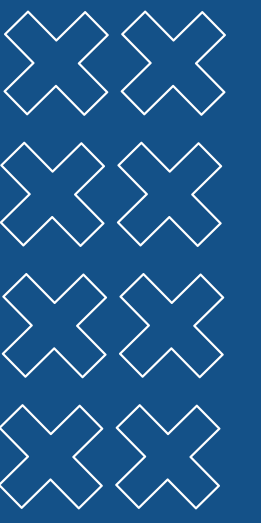


6 Regulated Delivery

Ensuring compliance, auditing, and traceability for industries with strict regulatory requirements.

Each use case highlights how DevOps platforms streamline software delivery while meeting the unique needs of various teams and industries.

5. MANDATORY AND COMMON FEATURES OF DEVOPS PLATFORMS



DevOps platforms offer a wide array of features, which can be categorized into **mandatory** and **common** functionalities. These features help organizations automate, optimize, and secure their software development processes.

Mandatory Features:



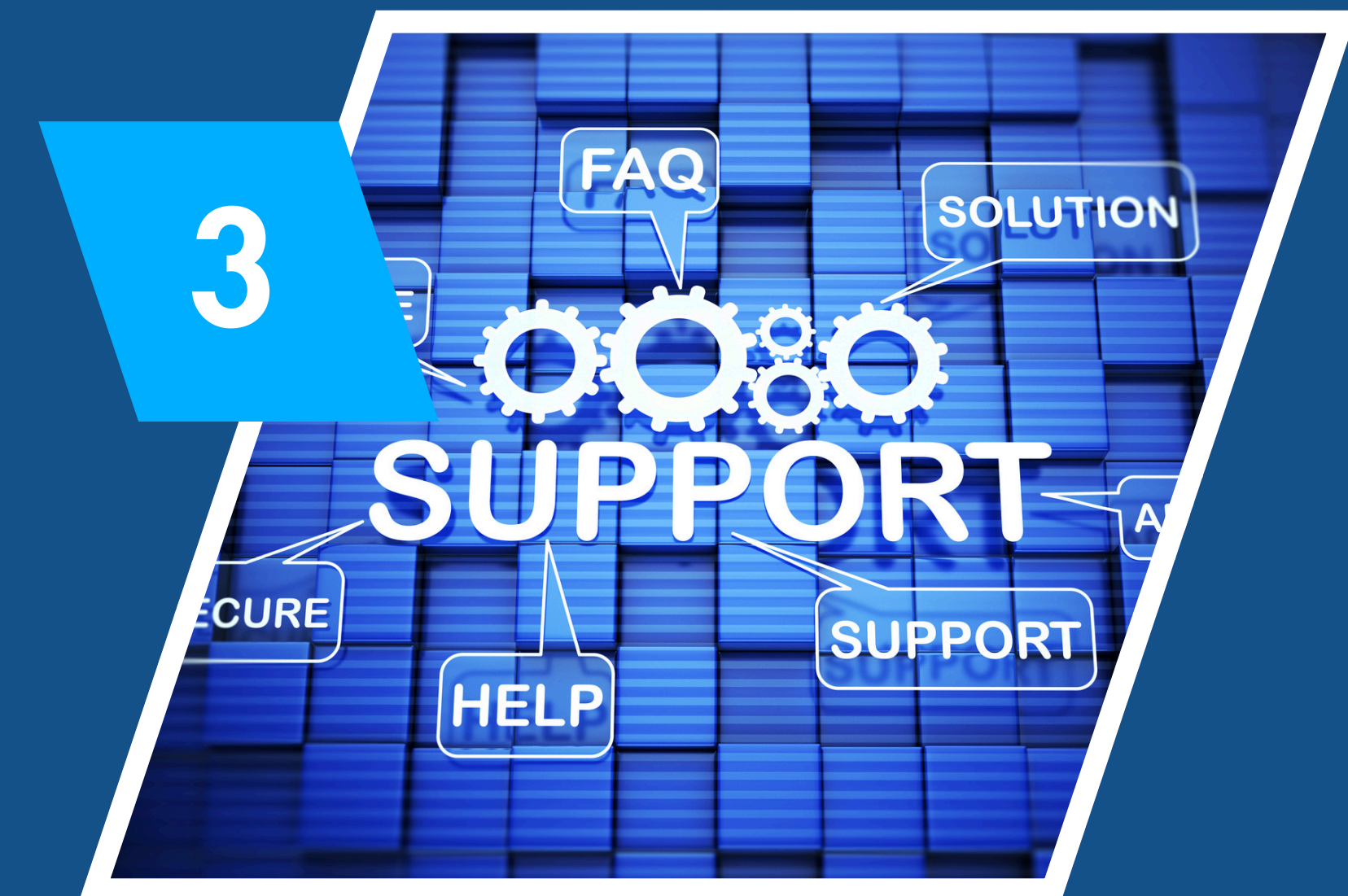
Continuous Integration:

Native support for building code and automating tests, including security and compliance scans.



Continuous Delivery & Release Orchestration:

Automated deployments with gated approvals for regulatory compliance.



Delivery of Web Applications:

Containerized applications and microservices support for faster releases.

Common Features:

01

Team Collaboration & Visualization:

Unified dashboards for development workflows.

02

Value Stream Analytics:

Metrics like DORA (DevOps Research and Assessment) and flow metrics for measuring delivery performance.

03

Security Orchestration:

Automated security scanning throughout the development process.

04

Application Monitoring & Observability:

Real-time monitoring, logging, and incident response.

05

AI-Assisted Continuous Integration/Deployment:

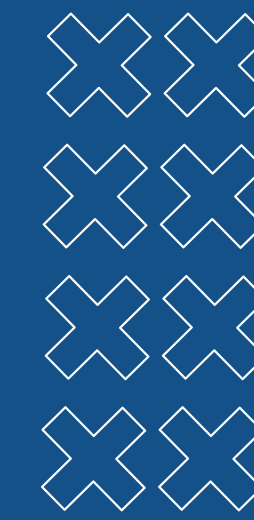
AI-powered optimization for testing, provisioning, and detecting vulnerabilities.

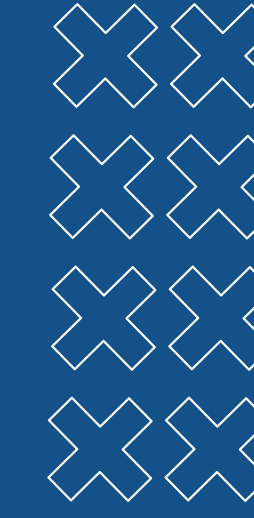
06

Integrated Developer Portals:

Offering insights into software components, dependencies, and infrastructure KPIs.

These features work together to create a seamless development experience, helping teams deliver high-quality software faster and more securely.





6. MAGIC QUADRANT OVERVIEW

The **Magic Quadrant for DevOps Platforms** evaluates vendors based on their **Ability to Execute** and **Completeness of Vision**, providing valuable insights for organizations deciding where to invest.

The Magic Quadrant categorizes vendors into four groups:

01

Leaders:

These vendors demonstrate strong performance across all critical areas, offering comprehensive platforms with a proven track record of success.

Challengers:

Vendors in this quadrant have solid execution capabilities but may lack the full vision needed for long-term market leadership.

02

03

Visionaries:

These vendors offer innovative solutions but may face challenges in consistent execution or broad market adoption.

Niche Players:

These providers serve specific needs or smaller markets, with strengths in particular areas but limited scope in others.

04

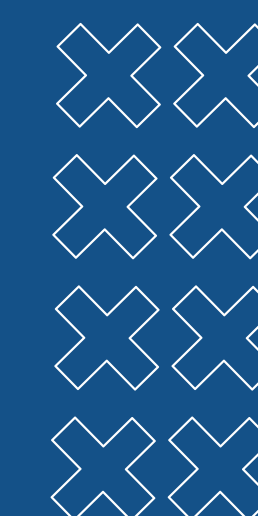
As of May 2024, the Magic Quadrant features **11 providers**, each positioned according to their strengths and potential cautions.

7. VENDOR STRENGTHS AND CAUTIONS

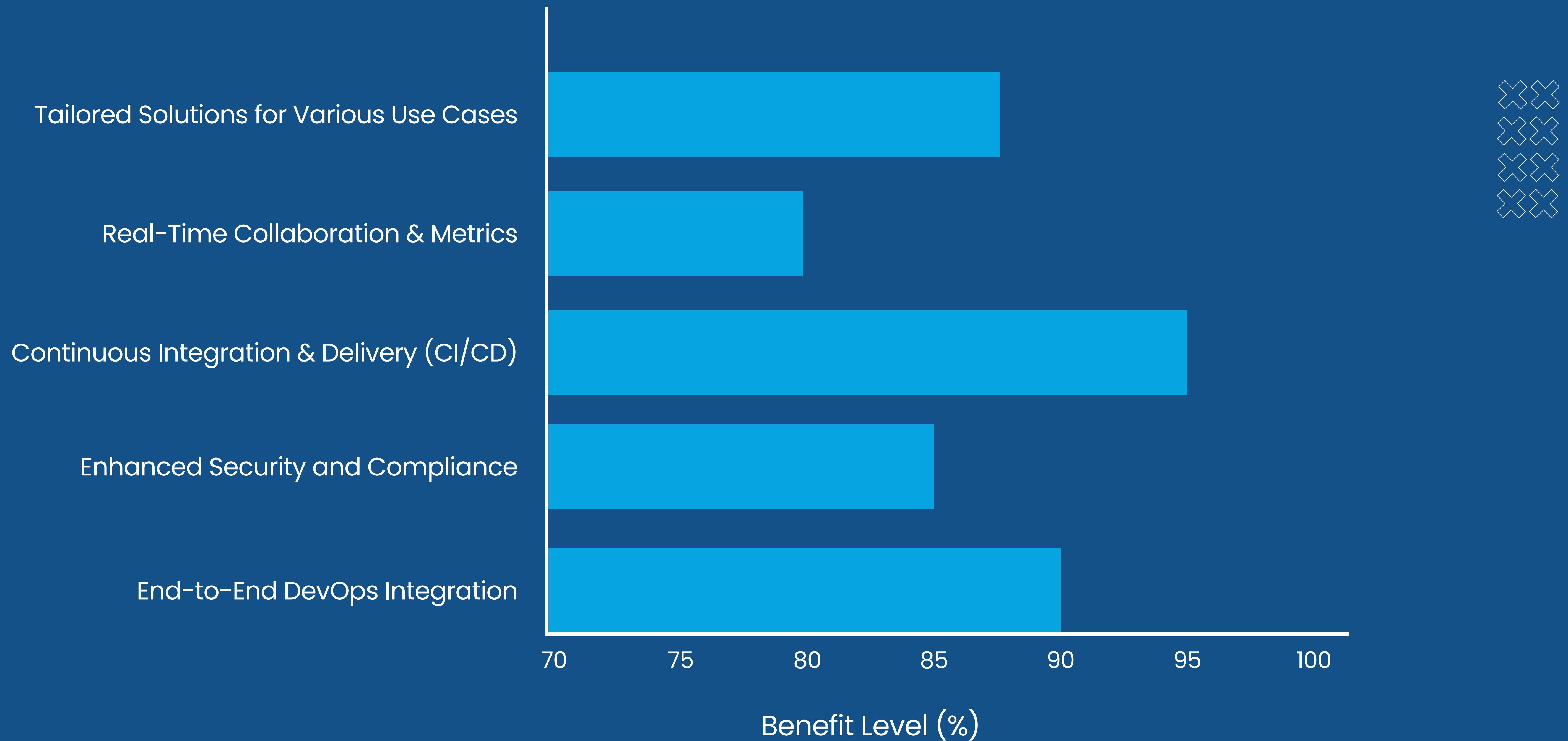
One of the standout vendors in the Magic Quadrant is **Amazon Web Services (AWS)**, positioned as a Visionary. AWS offers the **Amazon CodeCatalyst** platform, which integrates various AWS services like CodeArtifact, CodeBuild, and CodePipeline into a unified solution. This platform is particularly notable for its evolving capabilities in collaboration and reporting.

However, it's important to note that during the evaluation period, AWS decided to stop onboarding new customers to CodeCommit, which may limit some aspects of the platform's adoption. Despite this, AWS continues to enhance CodeCatalyst's features, making it a solid choice for organizations looking for a cloud-native DevOps platform.

Other vendors in the Magic Quadrant also offer robust platforms, each with their own unique strengths and potential challenges. When evaluating a DevOps platform, organizations should consider their specific needs and weigh the strengths and cautions of each provider carefully.



HOW SKYTECH CYBER CLOUD CAN HELP YOUR BUSINESS WITH DEVOPS PLATFORMS



SKYTECH CYBER CLOUD DevOps Platform Benefits By Section

Skytech Cyber Cloud provides comprehensive DevOps solutions to help businesses streamline their software development processes and accelerate delivery. Here's how we can support your organization:

01

End-to-End DevOps Integration:

Our platform integrates the entire software development lifecycle, from coding and testing to deployment and monitoring, ensuring a seamless, efficient workflow.

02

Enhanced Security and Compliance:

We embed security checks and compliance monitoring throughout the development pipeline, reducing vulnerabilities and ensuring regulatory adherence without slowing down delivery.

03

Continuous Integration & Delivery (CI/CD):

Automate software builds, testing, and deployments, allowing for faster releases and reducing manual errors, helping your team achieve rapid time-to-market.

04

Real-Time Collaboration & Metrics:

Our unified dashboard provides real-time visibility into project progress, enabling teams to collaborate more effectively, track key metrics, and optimize performance.

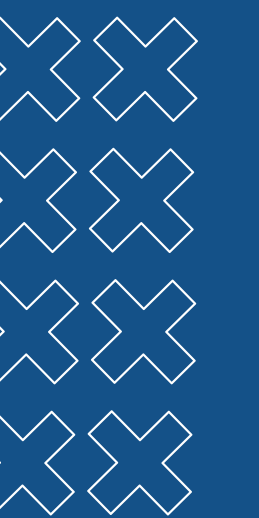
05

Tailored Solutions for Various Use Cases:

Whether you are delivering cloud-native applications, mobile apps, or machine learning models, we offer customized DevOps solutions to suit your specific business needs.

Skytech Cyber Cloud empowers your business with agile, secure, and efficient software delivery, keeping you competitive in today's fast-paced digital environment.

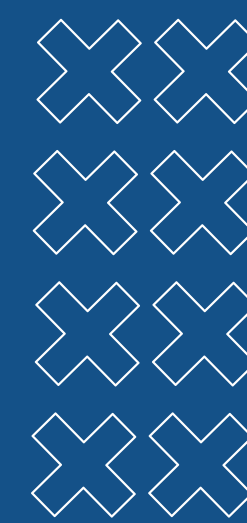
Transform your software delivery with Skytech Cyber Cloud—where innovation meets execution.



8. CONCLUSION

The DevOps platform market is poised for significant growth, with 80% of organizations expected to adopt these platforms by 2027. As software delivery becomes increasingly complex, DevOps platforms provide an integrated solution that reduces complexity, enhances security, and accelerates delivery.

Organizations that invest in a DevOps platform today will position themselves for long-term success, benefiting from streamlined workflows, better collaboration, and improved visibility across the software development lifecycle. The 2024 Magic Quadrant for DevOps Platforms serves as a valuable guide for businesses looking to make informed decisions and optimize their software delivery strategies.





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