

DevOps Analytics, Practices and Automation

AN IDC CONTINUOUS INTELLIGENCE SERVICE

DevOps is a powerful modern approach to unifying the business strategy, development, testing, deployment, and life-cycle operation of software. This approach is accomplished by improving business, IT, and development collaboration while taking full advantage of automation technologies, end-to-end processes, application security, microservices architecture, and cloud infrastructure to accelerate development and delivery and enable innovation. The *DevOps Analytics, Practices and Automation* subscription service provides insight, forecasts, and thought leadership to assist IT management, IT professionals, IT vendors, and service providers in creating compelling DevOps strategies and solutions.

Markets and Subjects Analyzed

- DevOps adoption drivers, benefits, and use cases
- Identification of DevOps innovators and best practices
- Identification of critical DevOps tools enabling automation, open source technologies, and market leaders
- Emerging DevOps practices such as GitOps, progressive delivery, and feature flags
- Analysis of the impact DevOps is having on IT infrastructure hardware and software purchasing and deployment priorities across on-premises and cloud service platforms
- Major transformation and impact DevOps is having on staffing, skills, and internal processes
- ITOps tools for areas such as observability, AIOps, incident response, and distributed tracing

Core Research

- Worldwide DevOps Software Forecast
- Worldwide DevOps Software Market Share
- DevOps Survey
- The Role of Cloud-Based IDEs to Drive DevOps Adoption
- Changing Drivers of DevOps: Role of Serverless and Microservices/Cloud-Native Architectures
- Market Analysis Perspective: Worldwide Developer, Operations, and DevOps
- Evolving Approaches and Practices in DevOps
- The Shift to Continuous Delivery and Deployment
- Tools and Frameworks for Supporting DevOps Workflows

In addition to the insight provided in this service, IDC may conduct research on specific topics or emerging market segments via research offerings that require additional IDC funding and client investment. To learn more about the analysts and published research, please visit: [DevOps Analytics, Practices and Automation](#).

Key Questions Answered

1. What are the primary DevOps adoption drivers, benefits, and use cases?
2. What is the role of automation, security, and open source in enabling effective DevOps operations and strategies?
3. Which vendors are disrupting the status quo with DevOps innovation?
4. What impact is DevOps having on IT infrastructure hardware and software purchasing and deployment priorities across on-premises and cloud service platforms?
5. What are the enterprise best practices for efficient and effective DevOps implementation and sustainability?

Companies Analyzed

This service reviews the strategies, market positioning, and future direction of key providers in the DevOps market, including:

Amazon Web Services, Atlassian, Broadcom, BMC, CloudBees, Digital.ai, Dynatrace, F5, GitHub, GitLab, Google, HashiCorp, IBM, JFrog, Micro Focus, Microsoft, New Relic, Oracle, Perforce, Progress, Red Hat, Salesforce, ServiceNow, Smartbear, Tricentis, and VMware.