Asia/Pacific Digital Innovation and DevOps Strategies

AN IDC CONTINUOUS INTELLIGENCE SERVICE

The Asia/Pacific Digital Innovation and DevOps Strategies program provides insights and guidance to C-suite executives at IT buyer organizations and to technology suppliers on digitally innovative products and services. The program is focused on advising IT buyers on how to execute on digital innovation — including software development that creates value-add and differentiation in their products and corporate systems and understanding what their competitors and peers are doing, along with the benefits and potential returns from embracing innovation. The focus for technology suppliers is on how to embrace and support/encourage digital innovation by their clients by bringing enabling technologies to them with software solutions, development tools and DevOps tooling, and SaaS and PaaS platforms as well as ways to leverage other apps, development practices, and sourcing and distribution opportunities.

This program explores digitally innovative software applications, development platforms, and architectures. It looks at software development and deployment trends, practices, challenges, and buying behaviors, ranging from DevOps and DevSecOps to open source software, data operations, and API ecosystems. It provides insights into developer attitudes and preferences for software development tools, languages, and programming models, with a focus on products and technologies that enable digital transformation and revenue growth and capture new customers and users.

Markets and Subjects Analyzed

- DevOps adoption drivers, benefits, and use cases
- Analysis of DevOps tools and market leaders
- Evolving approaches and practices in DevSecOps
- Agile and DevOps organizational/cultural strategies
- DevOps' impact on DX, internal processes, and staffing resources
- API life-cycle management and integration strategies
- Low-code and model-driven application platforms
- Web application development tools and practices
- Customer base, adoption, and use cases for open source technology
- Cloud and server application platforms and environments

Core Research

- Asia/Pacific DevOps Software Market Shares and Forecast
- Asia/Pacific DevOps MaturityScape
- Asia/Pacific DevOps Software PeerScape
- DevOps and Regulatory Compliance: Best Practices
- Asia/Pacific Software Survey
- Asia/Pacific Development Languages, Environments, and Tools Market Shares and Forecast
- Developer Demographics in Asia/Pacific
- Open Source Development Tools in Asia/Pacific
- Asia/Pacific API Life-Cycle Management PeerScape

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: Asia/Pacific Digital Innovation and DevOps Strategies.

Key Questions Answered

1. What are the primary DevOps drivers, benefits, and use cases?
2. What are the roles of automation and open source in enabling effective DevOps operations and strategies?
3. Which vendors are disrupting the status quo with DevOps innovation?
4. What are the enterprise best practices for efficient and effective DevOps implementation and sustainability?
5. What are the main developer ecosystems, and how does ecosystem affiliation affect technology choices?
6. What are the architectural shifts taking place in application platforms, and how will they affect software development practices?
7. How is data driving the next-generation organization?
8. What will next-generation developer tools and application deployments look like based on current developer trends?
9. How is open source software used in enterprises, and who are the key commercial vendors providing the technology?

Companies Analyzed

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

Amazon Web Services, The Apache Software Foundation, Atlassian, BMC Software, Chef Software, CloudBees, Cloud Foundry, Docker Inc., Dynatrace, Electric Cloud, GitLab, Google, Hewlett Packard Enterprise, IBM, The Linux Foundation, New Relic, Oracle, Perforce Software, Pivotal Software, Puppet, Red Hat, Riverbed Technology, ServiceNow, and VMware.