## Enterprise Survey Series

In its second year, the Enterprise Survey Series is a distinct survey series in Evans Data's stable of market research and explores technologies and methodologies that are important to enterprise IT and development. This report, the first in the annual series, focuses on DevOps and is an important asset for any organization looking to sell DevOps technologies, tools and services to other companies, as well as for any organization that wants to automate its own processes through DevOps. Along the way, organizations need to get a sense of the current DevOps landscape, the tactics current DevOps users have embraced, and the challenges that these technical professionals face.

**DevOps 2020** -- the first report in this series which covers the essentials of DevOps; provisioning, handoffs, orchestration tools, organizational structure, etc

*Released April 2020: Read on for more information*

**DevOps and the Cloud** - Cloud dynamics and DevOps; multi-cloud and hybrid cloud dynamics; cloud orchestration; microservices and containers; security and governance, etc

*Expected Release Date: May 2020*

**DevOps in a Legacy Environment** - Integrating a DevOps structure and strategy for legacy systems, ITIL, other ITSMs, and similar

*Expected Release Date: August 2020*

**DevOps and Emerging Technologies** - How DevOps is being impacted by and incorporating new technologies like AI, ML, AR, block chain, HPC etc.

*Expected Release Date: November 2020*

## Why This Report Matters to DevOps Tool Vendors:

The practical applications of DevOps have helped push DevOps practices and philosophies into the limelight. Nevertheless, developers and IT professionals may perceive DevOps as being more appropriate for specific fields, and may also perceive challenges along the way. For this reason, it is important for tool and service providers to understand the frustrations that developers and operations professionals experience in their existing development, as well as the perceived challenges in using DevOps, and address them. Ultimately, tool and service providers need to understand the behaviors and perceptions of developers and IT professionals, and particularly the differences between them, in order to gain a clearer understanding of their target market.

## Why This Report Matters to Those Implementing DevOps Within Their Own Organizations:

Ops initiatives are well underway in IT organizations throughout the world. Putting DevOps into practice within an organization requires a keen understanding of how developers and IT managers are already using DevOps, including which assets they need to provision, where the handoffs occur between the development and operations teams, and how the Cloud functions as a means of facilitating automation. Furthermore, DevOps implementation requires an awareness of how technical staff members across a variety of different industries perceive the interaction of development and operations and its challenges.

DevOps builds upon numerous technological advances and patterns of thought. Understanding developers' perceptions and preferences can help organizations with budding DevOps strategies formulate the smoothest path to adoption. In order to create this path, organizations need to understand the behaviors and preferences that developers and IT professionals alike have at this intersection between development and operations, and how they may differ across the two groups. As with tools providers and other tech companies, organizations with nascent DevOps strategies also must understand the difficulties that exist in current development efforts and the perceived challenges of DevOps implementation.

## Enterprise Survey Series: DevOps 2020

This survey gives a comprehensive view of the attitudes, adoption patterns, and intentions of developers and IT managers within the enterprise as they relate to DevOps. Evans Data Corporation wishes to make this survey series as valuable as possible to our clients; thus, we solicit input from subscribers prior to the publication of each volume. This subscriber input is incorporated into the content of the survey, providing answers and insight into issues of interest to our clients. Publication rights to any of the results are not granted to any subscribers outside of their own companies without written permission from Evans Data Corp.

## Survey Methodology

This survey series is completed entirely online. Respondents from Evans Data's International Panel were sent invitations to participate and complete the survey online. Incentives for completing the survey are the ability to influence tool makers and receive points that build up and can be used to redeem cash cards.

## The Sample – Software Developers and It Managers

This survey consists of 430 in-depth interviews conducted with an even number of English-speaking developers and also IT managers worldwide who have DevOps initiatives within their organizations. This provides a margin of error of 4.6%.

## New Sections in This Volume

### Environments

The combination of environments used to develop, test, and deploy enterprise solutions may be relatively narrow in scope or sprawling, depending on how strictly enterprises control tool and environment acquisition, and different organizations may be in various stages of transition to a DevOps environment. New questions in this section ask developers and IT managers about their organizations' frequency of deploying code and their tendency to favor specific vendors in regards to development and/or deployment environments, as well as their approach to software audits and whether or not they consider these audits to be "pain points."

### Provisioning

This section explores various considerations surrounding provisioning, including self-provisioning infrastructure, the advantages of automated provisioning, and the use of manual versus automated processes. New to this section, analysis explores API versus script-based execution of various provisioning and monitoring tasks, the types of databases respondents and their organizations are likely to use, and the criteria used for evaluating third-party code as it is pulled into the development lifecycle.

### Application Handoff

Whether as part of a DevOps initiative or as part of a more traditional approach, much of the focus of developers and operations' interactions surrounds the handoffs. In this mostly-new section we take a look at a variety of topics surrounding application handoff, from lead time for code changes and challenges in deploying both internal and external apps to respondents' familiarity with, and implementation of, chaos engineering.

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