DevOps 2.0 for Digital Transformation

June 8, 2017

Using this simple best practice for development, called Flag Driven Development, we do not make available the new functionality to 100 percent of users. It will be delivery in stages, starting with 1 percent of users, then with 10 percent, then with 30 percent, etc. with the ability to quickly enable or disable the functionality when something does not work as expected. In addition, it allows us to make available different versions of a functionality for different types of users (customer segmentation). There are several SaaS models and open-source solutions we can use to implement this type of techniques like Feature flags, toggles or controls.

What are the Benefits of DevOps 2.0 Techniques?

The use of this type of techniques during the development process provides these benefits:

- Quick scaling
- Stability of the system
- Integrity of the applications is not compromised.

This way we succeed in reducing the risk associated to each new delivery of functionality, in any productive environment. Business stakeholders can control when new features are available to end users, who continuously demand new changes and improvements.

For organizations, DevOps 2.0 will bring DevOps power to non-technical teams such as marketing, design, sales and business. Now all teams will have the skills and responsibilities that are required in a DevOps culture. It enhances the confidence, communication and feedback that is needed from all teams in a DevOps strategy.

Therefore, one of the major pillars of the DevOps 2.0 approach is the ability to control, through a control panel interface, the launch of new features of applications in production environments. This process would be launched in a controlled way by both technical and non-technical people. Also, the process will be separate from the development and continuous deployment.

At the same time, this type of coding techniques will allow to perform real-time analytics, making changes to the functionalities of a system that may also impact in the application performance monitoring (APM) tools. This makes it possible to determine when a particular functionality is degrading the global system performance and needs to be disabled quickly, as well as identify which functionalities are improving the end user experience

(UI/UX).

There are a lot of articles about these “Fast Feedback” practices. I hope this article help you better understand the potential impact of DevOps on your organization.

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