20 Most Promising DevOps Solution Providers 2015

Today, DevOps is helping companies address the software development and delivery challenges by engaging both the operations and development teams in a single development sphere. Beyond enhanced delivery and support, DevOps provides room for innovation driven by the latest trends such as big data, cloud computing, and mobile applications and social media support.

Open source tools are crowding the DevOps landscape, attracting bigger organizations to adopt the agile practices advocated by DevOps. These practices spawn greater customer satisfaction, better communication, integration, and collaboration within the development life cycle. Although most enterprises uphold that software development and delivery are critical to profit-making, an IBM survey reveals that only 25 percent believe that their teams are effective in terms of execution and delivery. Migrating to a DevOps environment applies agile and lean practices across an organization and maximizes the speed of delivery of a product or a service, from the initial development stage, to customer feedback, to enhancements based on the feedback.

DevOps strategy has evolved over time, leading the solution providers to develop their own reliable toolkits and interfaces. Software developers can adopt these principles with a holistic DevOps approach to reap the benefits of agile development. DevOps providers are regularly updating their toolkits and APIs to support more verticals. In some cases, they are also developing tailor-made suites to service clients better. Ultimately, DevOps improves the way that a business delivers value to its customers, suppliers and partners—it can be considered as an essential business process, not just an IT capability.

As a prelude to CIOReview's 20 Most Promising DevOps Solution Providers, our selection panel evaluated the capabilities of several vendors who provide agile solutions to businesses. A distinguished panel comprising of CEOs, CIOs, VCs, industry analysts and the editorial board of CIOReview selected the final 20.

We present you CIOReview's 20 Most Promising DevOps Solution Providers 2015.

Spirent Communications

recognized by CIOReview magazine as

CIO 20 MOST PROMISING DevOps
Review SOLUTION PROVIDERS - 2015

An annual listing of 20 companies that are in the forefront of providing DevOps solutions and impacting the marketplace

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Company:
Spirent Communications

Key Person:
Marc Hornbeek,
Senior Solutions Architect

Patrick Johnson,
General Manager

Description:
Provides integrated automated continuous testing and lab orchestration tools and solutions that accelerate DevOps development to delivery pipelines. Also best DevOps practices assessments and services.

Website:
spirent.com

Spirent Communications
Providing CLEAR DevOps Solution for Continuous Testing and Lab Management

Today, development teams are under increasing pressure from customers to work more collaboratively together with operations teams to accelerate product delivery pipelines. Though DevOps thrives to overcome and address these complexities, lack of expertise on implementation and usage of DevOps solutions is posing as a problem for organizations that are employing DevOps.

"DevOps is about rapid build, test and delivery cycles. The faster you can test and identify a problem in the delivery pipeline, the faster you can fix it. DevOps and Continuous Testing based on process knowledge and tools designed to accelerate testing, can help organizations identify gaps in their current practice and get more value out of DevOps," says Marc Hornbeek, Senior Solutions Architect, Spirent Communications.

Marc Hornbeek

Headquartered in Sunnyvale, California, Spirent develops innovative solutions that allow IT and communications industries to evaluate the performance, agility, and security of the latest technologies, infrastructure, and applications being deployed worldwide. Even though historically Spirent's applications have been focused on the network arena, the space is now broadening out toward enterprise applications deployed virtual and cloud environments.

"We believe DevOps is becoming increasingly important as organizations are migrating toward elastic cloud computing resulting in additional testing as more deployments are pushed through the delivery pipeline," adds Hornbeek. Spirent's test and lab automation solutions efficiently evaluate performance of the latest technologies as DevOps implementations trend towards speed and faster deployments of software. As new communication services and applications are introduced in the market, Spirent provides the solutions to help companies get their offerings tested and to the market faster.

Spirent's CLEAR DevOps Solution includes tools, expertise, and professional services. Two of Spirent's solutions instrumental in implementing DevOps are iTest, a vendor agnostic, integrated test authoring and automated test executing tool and Velocity, an integrated lab management and test execution solution for self-service elastic test labs. "In context of testing and DevOps, it is important to have a fully-integrated tool kit that embodies a test methodology where one does not have to spend time shifting tools or wasting time creating and maintaining tests. iTest and Velocity create a powerful, integrated toolset that integrates into existing or new DevOps environments," explains Patrick Johnson, General Manager, Spirent.

One of the clients of Spirent, in spite of having a proper infrastructure of rich software application, was facing unyielding engineering performance. The organization was unable to meet their committed release dates and was struggling to keep pace with new feature requirements due to 50 percent of engineering working on customer found defects. By moving to a continuous testing test methodology using Spirent's CLEAR DevOps Solution, they were able to free up engineering and lower the overall cost of quality assurance. The savings to development provided a payback on the solution in the first year and enable the customer to move from 18 months to monthly releases. Spirent's DevOps model, optimized the customers continuous build and automation testing cycle environment enabling them to scale test automation to over 600 developers.

> **We help the organizations to identify gaps in their current practice and what they should do to get more value out of DevOps**

Spirent CLEAR DevOps Performance Dashboard enabled the entire operation to monitor the performance of the new continuous integration infrastructure in real-time. By doing so, the client was able to benchmark the current state and systematically monitor infrastructure to guide teams and individuals on achieving their goals and objectives for continuous deployment.

Going forward, Spirent aims to bring more advanced continuous testing product features to market and advance their array of expert services for DevOps. "We have built a product structure for the growing cloud environment, which allows customers to spin up and manage testing and labs remotely in cloud," concludes Hornbeek. CR