OpsCruise – Autonomous Performance Operations

IT Operations Challenge with Cloud Applications

Digital business is driving a fundamental shift to cloud-native applications to leverage scale, agile deployment and management. This class of application architecture presents:

- A larger number of thin components that communicate with each other in myriad ways, resulting in
- An explosion of performance, event, log and tracing data, and creating unanticipated
- Bottlenecks that move around the system as load conditions change

These changes create enormous challenges for even the most sophisticated operations (Ops) teams to manage the performance and uptime of their applications. Current tools are unable to evolve to meet these challenges. Teams often resort to over-provisioning of cloud resources to mitigate risk.

Autonomous Performance Operations

OpsCruise addresses the challenge of managing application performance by providing the Ops team a first of a kind autonomous dynamic performance assurance platform. The solution comprises two parts:

- OpsCruise Live App Map™ for Actionable Insights provides automated granular visibility into where and why performance problems are occurring, enabling direct pinpoint intervention
- OpsCruise Assure™ for Prescriptive Tuning restores application service levels with automation, assisting the decision and control process

The platform consumes existing monitoring and configuration data to automatically build a real-time application model using a unique patent-pending application-centric approach.

The model provides a deep granular understanding of the application behavior of all underlying components and their interdependencies, across the application and down to the infrastructure level. Using this model and multiple augmented machine learning techniques, OpsCruise provides continuous application performance insights – detecting early onset of problems, isolating the cause and locality of the problem and recommending corrective actions.

The resulting benefits positively impact both top and bottom line: increased uptime through proactive problem resolution to meet performance SLAs of customer facing applications and services; greater organizational agility from improved efficiency and predictability of their DevOps process for new applications; and reduced cost of infrastructure resources as well as decreased dependence on highly skilled operators.

OpsCruise is low friction. It is delivered as-a-service, requires no agents to deploy, no changes to your application code and integrates with popular monitoring and service management tools.

About OpsCruise

OpsCruise is start-up, venture funded by The Fabric and based in Sunnyvale, CA. Our founders are industry veterans and innovators with expertise in IT operations, data center technologies, computational analytics and ML.