F5 and ExtraHop Ensure Application Delivery Success

Do you and your network always get the blame? Performance degradation, intermittent issues—when these problems arise, fingers quickly point at the network whether or not it's warranted. Network engineers are forced to spend valuable time troubleshooting, leading to major costs in IT man-hours, potential lost revenue, and customer dissatisfaction. ExtraHop and F5 Networks have partnered to tackle these challenges. ExtraHop offers a passive network appliance that delivers comprehensive visibility for network management. With specific KPIs and prescriptive tuning guidelines for F5's BIG-IP, ExtraHop works together with F5 Networks to ensure application-delivery success and provide a powerful and intuitive management solution that is designed to solve today's network-management challenges.

Challenges

In today's hyper-distributed, virtualized world, networks are becoming increasingly complex to manage. As new classes of networking devices blur the lines between the application and the network layers, the network often is blamed unfairly for any performance issues that arise. Many traditional network-management tools provide either a telescopic (high-level) or microscopic (bits-and-bytes) view, missing much of the crucial information in the middle.

The ExtraHop Solution

ExtraHop brings a new level of innovation to network management with the only solution that delivers full L2–L7 visibility to accelerate network troubleshooting and provide guided tuning for intelligent network devices such as BIG-IP. The ExtraHop Application Delivery Assurance system can be installed in as little as fifteen minutes and requires no agents and no additional configuration. The ExtraHop appliance helps networking teams to achieve the following mission-critical goals:

End the Perpetual Blamestorm
With unprecedented visibility from the ExtraHop system, you confidently can answer the question of "Is it the application or is it the network?" with a few clicks. Drill down to any individual application, device, protocol, or even specific errors and database stored procedures.

Optimize Performance through Advanced Tuning

- Centralize all important TCP metrics and tuning parameters in a single view in order to spot network congestion issues and tune proactively.

- Stack rank load-balanced servers by performance to optimize load-balancing policies and ensure sufficient capacity for application deployments.

- Obtain vital information for content-caching policies to get the most out of your Application Delivery Controllers.

- Determine the impact of the Application Delivery Controller on application and network performance.

ExtraHop online Help describes each metric in detail and provides expert recommendations for tuning, including specific tuning instructions for BIG-IP.

Understand Capacity Needs and Test Network Designs
Deploy the ExtraHop system within a staging environment to discover potential performance bottlenecks before deploying a new application into production. The ExtraHop system intelligently trends performance and capacity metrics by time of day and day of the week, learning cyclical trends to create an accurate and insightful view of the application and network.