Netrounds

Optimizing the User Experience with ConfD

About Netrounds

Netrounds is an automated active testing and monitoring solution provider for physical, hybrid and virtual networks. Netrounds' programmable, software-based capabilities enable network operators, service providers and enterprises to remotely test, monitor and troubleshoot layer 1-7 network services. Netrounds provides insight into delivered service quality and allows them to enhance the customer experience of IP-based services such as Internet, TV, voice, and other quality-demanding business services. Netrounds solutions are used by more than 250 customers worldwide.

The Need to Optimize the User Experience

The focus for Netrounds is all about the customer experience. Network operators and service providers are focused on ensuring consistent delivery of network services, including automating processes wherever possible. Where they needed help was automatically verifying that the actual user experience meets expectations once service delivery has taken place, as well as closing the loop on automating the troubleshooting process and providing high-quality, service-level data for healing, and, ultimately, improved service quality. Netrounds wanted to provide its customers with the ability to more effectively test, monitor and troubleshoot network service quality in a completely automated way.

The Solution: ConfD from Tail-f

Netrounds is a Cisco SolutionsPlus Partner, and as such has been building a tight integration with Cisco's Network Services Orchestrator (NSO). ConfD was recommended as the solution to enable seamless integration with NSO and speed up the development process for faster time to market. In addition, ConfD's market leadership of implementing NETCONF and YANG matched Netrounds' technical development strategy and experience.

"ConfD gives us an important new framework for ensuring a seamless integration between Netrounds and NSO for orchestrated assurance, the automation of network service quality testing, monitoring, troubleshooting and healing.

With this tight integration, our customers can take advantage of a proven automation solution to ensure that provisioned network services work when delivered and continue to work throughout their lifetime."

Anders Bergsten
VP Product Management
Netrounds

The Results

ConfD allows Netrounds to leverage network programmability and deliver a more robust product to its network service provider and enterprise customers. Through the seamless integration with NSO, Netrounds can deliver capabilities to its customers that allow them to validate the delivery of services automatically. This is particularly useful after updates or configuration changes take place that could impact service quality delivered to the end user. Whereas previously these validations were operationally expensive or simply not done and network quality issues were found by customers instead of by the service provider, ConfD enables more seamless feedback of Netrounds active testing and monitoring measurements to the orchestrator so NSO can perform changes and automated healing for an enhanced customer experience.

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