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Rohde & Schwarz Cybersecurity DPI Solution Enables Security and Traffic Control of Critical Enterprise Cloud Applications

Barracuda's cloud-ready firewalls utilize the deep packet inspection (DPI) engine R&S PACE 2 to achieve reliable application visibility which allows for controlling network traffic and facilitating the secure delivery of critical cloud business applications.

Munich, Germany, January 18, 2018 — Rohde & Schwarz Cybersecurity, a leading IT security company, has delivered an embedded deep packet inspection (DPI) engine that serves as the core for Barracuda's NextGen firewall F-series. The Barracuda F-series firewall is able to classify network applications up to Layer 7 in real-time, and can granularly control what applications are permitted, prioritized or de-prioritized for access. By embedding the R&S PACE 2 DPI software, the F-series firewall can identify services like Voice over IP (VoIP) while maintaining a high bandwidth, even if settings are being changed to reprioritize applications on the fly (dynamic Quality of Service (QoS) settings). This improves site-to-site connectivity and enables uninterrupted access to applications hosted in the cloud, all while simplifying the administration of network operations for enterprises and managed services providers. In addition, the firewall offers advanced protection for dispersed enterprise networks that rely on cloud computing, software as a service (SaaS) and an increasingly mobile workforce.

Fast and reliable application classification using DPI remains a prerequisite for a firewall solution to enable advanced security and traffic management policies. The R&S PACE 2 DPI engine provides a powerful and extremely reliable detection and classification of thousands of applications and sub-applications through combining deep packet inspection and behavioral traffic analysis – regardless of whether the protocols use advanced obfuscation, port hopping techniques or encryption. The embedded software makes high-performance traffic visible in order to set up advanced security and traffic management policies, secure and control enterprise applications hosted in public clouds, and to guarantee uninterrupted network availability and operational continuity.

“Ten years ago, enterprises were more concerned about the unauthorized use of P2P applications and instant messaging. Although the need for application control and awareness remains, enterprise concerns have shifted to securing enterprise applications hosted in private and public clouds, protecting east-west data center traffic and preventing unwanted traffic and malware on the corporate network,” said Alexander Müller, product manager for DPI at Rohde & Schwarz Cybersecurity. “In the cloud era, network firewalls are more than just security devices, they must ensure network availability across distributed networks.”

“Our F-series virtual and cloud-based firewalls are enhanced to facilitate real-time policy and security management in order to protect today's enterprise distributed networks of office sites, data centers and mobile workers. The high-performance R&S PACE 2 DPI engine from Rohde & Schwarz Cybersecurity supports this effort to protect organisations as part of our firewall solution,” said Klaus Gheri, VP Network Security at Barracuda Networks. “By implementing the R&S PACE 2 DPI software, we receive regular application and protocol updates without the need to increase internal R&D in signature plug-ins and maintenance.”

Find out more about the technology: https://ipoque.com/sites/default/files/media/documents/2017-11/RSCS_%20PACE2_Casestudy-Barracuda_en_5215-4230-32_v0100_96dpi.pdf

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About Rohde & Schwarz Cybersecurity

Rohde & Schwarz Cybersecurity is a leading IT security company that protects companies and public institutions around the world against cyberattacks. The company develops and produces technologically leading solutions for information and network security, including highly secure encryption solutions, next-generation firewalls and software for network analysis and endpoint security. The award-winning and certified IT security solutions range from compact, all-in-one products to customized solutions for critical infrastructures. The product portfolio also includes vulnerability scanners and firewalls for business-critical web applications. To prevent cyberattacks proactively, rather than reactively, our trusted IT solutions are developed following the security-by-design approach. More than 500 people are employed at the current locations in Germany, France and Denmark.

For more information, visit www.cybersecurity.rohde-schwarz.com

About Rohde & Schwarz

The Rohde & Schwarz technology group develops, produces and markets innovative information and communications technology products for professional users. Rohde & Schwarz focuses on test and measurement, broadcast and media, cybersecurity, secure communications and monitoring and network testing, areas that address many different industry and government-sector market segments. Founded more than 80 years ago, the independent company has an extensive sales and service network in more than 70 countries. On June 30, 2017, Rohde & Schwarz had approximately 10,500 employees. The group achieved a net revenue of approximately EUR 1.9 billion in the 2016/2017 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has regional hubs in Asia and the USA.

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