



PRESS RELEASE

Rohde & Schwarz launches NAT/ mobile tethering transparency plug-in for analytics market

The new software plug-in enables mobile network operators and IT security administrators to detect unauthorized NAT devices in a network in order to uncover mobile tethering fraud and prevent cyberattacks.

Leipzig, Germany —February 19, 2020— Today, ipoque GmbH, a Rohde & Schwarz company providing market-leading deep packet inspection (DPI) software, announced that they have launched an easy-to-integrate software plug-in for network address translation (NAT) detection and mobile tethering transparency suitable for analytics and cybersecurity vendors. The plug-in in combination with the leading OEM DPI software R&S®PACE 2 detects NATing and devices behind the corresponding routing device, as well as the applications used.

Detecting NATing and the devices behind a NATing device is difficult. Routers, wireless access points or smartphones with enabled tethering option map multiple devices to one publicly exposed IP address. Private and public network areas are separated with NAT. Since multiple network devices with their distinct private IP addresses hide behind a single public IP address, network resources can be misused. Not only does this enable tethering fraud, as subscribers exploit tethering to use mobile internet access for laptops or tablets or to grant secondary users free access to their data plans. It also poses a threat to enterprise environments as unauthorized devices such as personal devices are outside the scope of traditional IT security and are able to create an insecure access point to the internal enterprise network.

With the new NAT/ mobile tethering transparency plug-in, analytics and cybersecurity vendors can now enhance their solution with cutting-edge IP traffic analytics to reveal devices behind a NATing device and tethering fraud in a specific network. By using such a solution, mobile network operators can detect and bill subscribers for secondary use of their data plans, and IT administrators can secure their networks.

The NAT/ mobile tethering transparency plug-in requires R&S®PACE 2. R&S®PACE 2 adds IP traffic analytics capabilities to network analytics, traffic management and network security solutions by classifying thousands of applications and protocols and providing content and metadata extraction regardless of whether the protocols use advanced obfuscation, port-hopping techniques or encryption. With no vendor lock-in and thanks to open APIs, both R&S®PACE 2 and the plug-in itself are easy to integrate and simple to manage.

R&S®PACE 2 and its new NAT/ mobile tethering transparency plug-in will be demonstrated at the RSA Conference in San Francisco in the German Pavilion section, at booth 5671 (North Expo), from February 24-28.

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ipoque

ipoque, a Rohde & Schwarz company, is a global leader in network analytics software for the communications industry. We leverage our deep domain expertise to create software solutions that empower customers to transform data into intelligence. Find out more under www.ipoque.com.

Rohde & Schwarz

Rohde & Schwarz is a leading supplier of solutions in the fields of test and measurement, broadcast and media, aerospace | defense | security and networks and cybersecurity. The technology group's innovative communications, information and security products help industry and government customers ensure a safer and connected world. On June 30, 2019, Rohde & Schwarz had 12,100 employees. The independent group achieved a net revenue of EUR 2.14 billion in the 2018/2019 fiscal year (July to June). The company is headquartered in Munich, Germany, and has subsidiaries in more than 70 countries, with regional hubs in Asia and America.

R&S is a registered trademark of Rohde & Schwarz GmbH & Co. KG.