iTRINEGY

SECTRA COMMUNICATIONS CONFIRMS RESILIENCE OF ENCRYPTED DEVICES WITH ITRINEGY SOFTWARE-DEFINED TEST NETWORKS

SECTRA

Founded in 1978, Sectra develops products and services that protect some of society's most sensitive information and communications. The company offering includes secure voice and data communications, with solutions certified at the national level and by the EU and NATO, as well as security analysis and monitoring of critical IT systems, such as electricity and water supply. An iTrinegy customer since 2014, Sectra incorporates iTrinegy's Software-Defined Test Network technology as an integral part of its product development and testing regime to verify the resilience of its encrypted telephony devices over networks.

THE REQUIREMENT

Sectra's encrypted telephony products and services are relied upon by government officials and diplomats to exchange sensitive information securely. Sectra uses iTrinegy's Software-Defined Test Network technology to ensure the effective operation of their telephony products by enabling the company to test across a variety of networks, including satellite and mobile, and most pertinently under a range of network quality conditions. This level of testing guarantees their customers will achieve safe, effective communication with each other using Sectra deployed solutions.

"Sectra Tiger®/S 7401 has been developed to provide mobility and flexibility to those individuals and organizations handling high-level classified information. It has been designed to resist attacks from any source, including intelligence organizations of foreign states, making it the optimal choice for foreign missions and government organizations at a ministerial level."

THE SOLUTION

Sectra uses iTrinegy's INE Enterprise Software-Defined Test Network technology to create realistic test networks over which to verify the operability of their secure telephony products over the most challenging network conditions likely to be encountered by their customers. The INE Enterprise technology delivers Sectra an extensive, controllable and repeatable test environment thereby mitigating deployment risk and significantly reducing the resources, costs and difficulty in provisioning real network test environments. The iTrinegy INE Enterprise can be used to replicate WAN, Cloud, Satellite, Mobile and WiFi test environments both as point to point and meshed network implementations.

Sectra Test Leader, Andreas Ornberg explains how the INE Enterprise is used, "Our customers frequently have a satellite or a mobile connection or a combination of the two and we use the INE Enterprise to test how our products work even when the quality of these network environments is poor. We want to know that our products will work in challenging network scenarios. Our goal is to ensure secure and reliable communication for our customers in all the typical network scenarios over which our products will need to operate".
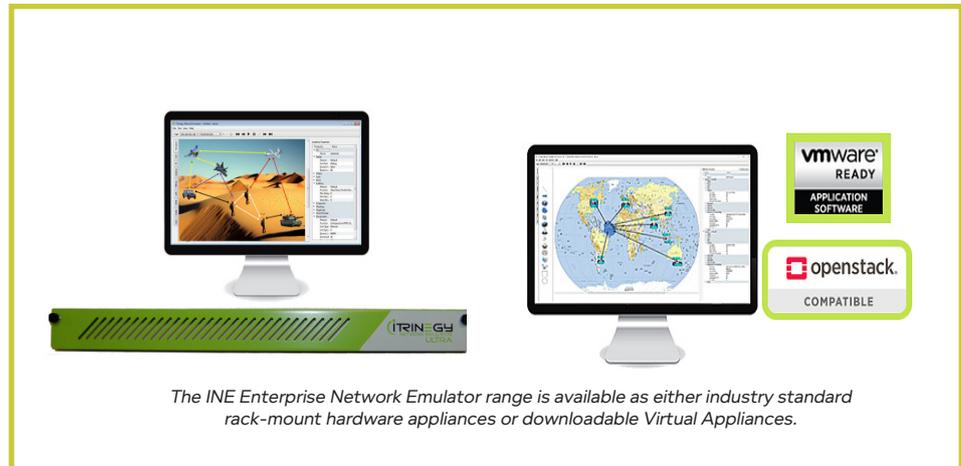
THE SOLUTION

Andreas continues, "The evaluation process not only resulted in us being confident with the product capability but also with the anticipated ongoing technical support iTrinegy would provide. I am delighted that on both these counts we know our selection of iTrinegy has been fully vindicated. iTrinegy experts even helped us build out many of the specific network profiles we still use in our testing today."

The INE Enterprise Network Emulator range is available as either industry standard rack-mount hardware appliances or downloadable Virtual Appliances.

FUTURE UTILIZATION - INCREASED TEST AUTOMATION

At present, much of Sectra's testing is conducted manually but it is Andreas's objective to introduce further automation into their testing procedures. The new 2021 iTrinegy code release which includes a powerful RESTful API and other advanced integration features will help deliver these ambitions.

Sectra anticipates purchasing further products from iTrinegy this year.

iTrinegy looks forward to continuing its relationship with Sectra and helping the company deliver a realistic yet cost-effective test environment.

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