Trusted Network Equipment by Kaspersky Lab and Eltex

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Two Leading Russian Companies Join Forces to Create Trusted Telecommunications Equipment

»Though targeted attacks on corporate and industrial targets are often carried out via vulnerabilities in system software, this is exactly the sort of software that doesn’t have sufficient protection.»

Andrey Doukhvalov,
Head of Future Technologies,
Kaspersky Lab

»The number of cyberthreats is growing every year. As a device developer and manufacturer, our company understands that it’s crucial to use the most up-to-date protection technologies to ensure secure and reliable functioning of those devices on our customers’ networks. By using KSS from Kaspersky Lab we have given the devices manufactured by Eltex a new level of security.»

Mikhail Moiseev,
Commercial Director Deputy,
Eltex

Challenge

Modern telecommunications systems have extensive functionality, but these capabilities come hand in hand with cyberthreats that jeopardize the stability of the equipment itself and the security and confidentiality of the data that’s transferred or stored using these systems.

For example, implants surreptitiously embedded in system software that controls telecoms equipment enable attackers not only to control devices and remotely put them out of operation but also to intercept the data they handle, compromising its integrity as well as confidentiality.

That’s why modern communications equipment, in addition to its primary functions, has to ensure the cybersecurity of the device itself and the data it transmits. End users also need to be sure that the device doesn’t contain any undocumented functions. Taking into account all the above, it is necessary to create a basic software package with built-in protection against cyberthreats, and to install that package on trusted hardware.

The Kaspersky Lab solution

Eltex and Kaspersky Lab combined efforts to create a trusted solution for telecommunications that completely meets these cybersecurity requirements. The solution is based on hardware and software products by Eltex and Kaspersky Security System – a special security module from Kaspersky Lab.

The main principle behind Kaspersky Security System is that of ‘default deny’, which means blocking anything that is not explicitly allowed. This approach prevents penetration by malicious programs and any negative consequences. In addition, all the security settings, including denying execution of any particular processes or actions, take into account the characteristics of the Eltex equipment and its security requirements.

Integration of KSS into Eltex’s solution was implemented at the same time as modifications to the architecture. In this regard, several components can be emphasized:
The range of measures employed means that a user with a privilege level of less than 10 cannot execute a single privileged command even if a critical vulnerability is found in CLI Shell and exploited.

Thanks to the mutual efforts and collaboration of these two industry leaders, a new product has been created based on the latest technological developments by Eltex and Kaspersky Lab’s trusted KSS module. Now, customers can be sure their equipment contains no vulnerabilities and their data is reliably protected. The new product is already available for purchase.
About Kaspersky Lab

Kaspersky Lab is a global cybersecurity company celebrating its 20-year anniversary in 2017. The company’s deep threat intelligence and security expertise is constantly transforming into security solutions and services to protect businesses, critical infrastructure, governments and consumers around the globe.

Kaspersky Lab’s comprehensive security portfolio includes leading endpoint protection and a number of specialized security solutions and services to fight sophisticated and evolving digital threats. Over 400 million users are protected by Kaspersky Lab technologies and we help 270,000 corporate clients protect what matters most to them. Learn more at www.kaspersky.com.

About Eltex

Eltex is a leading Russian developer and manufacturer of telecommunications equipment.

The company was founded in 1992 and today it is a huge, dynamically developing enterprise with more than 600 employees. Eltex has its own high-tech manufacturing facilities that include all the necessary technological cycles and equipment as well as seven software development labs.

The image illustrates service routers ESR-1200, ESR-1000 and ESR-12VF. For the full list of trusted equipment visit the Eltex website: https://eltex-co.ru/catalog/service_gateways/