



Fox DataDiode deployed by defence

Fox DataDiode **One-way traffic in Italy**

Maurizio Corti from Security company Heimdall Consulting: 'Fox-IT is the market leader in one-way traffic technology. We deploy the Fox DataDiode for our clients to protect their critical infrastructures and secured networks.' One of the clients is the Italian Ministry of Defence.



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The Ministry of Defence asked us if we could offer something other than the classic firewalls,' recalls senior partner Maurizio Corti of the Italian Heimdall Consulting. 'The CC EAL4+ firewall they were using at the time was not sufficient, and was not secure enough in a military environment with highly confidential and sensitive information. When Fox-IT was awarded the CC EAL7+ certificate for the DataDiode three years ago, we decided to take the plunge.' The DataDiode is a data valve which ensures that information between networks can only travel one way. The Italian security company had already been working with the 'oneway traffic' principle for some years. Nevertheless Heimdall Consulting switched to the Dutch technology.

Corti on Fox-IT: 'Because Fox-IT is the market leader in "one-way traffic technology", we deployed the Fox DataDiode for our clients. It is mainly the certification and the ease with which the DataDiode integrates into a network that we believe to be important. In their support Fox-IT are professional, open-minded, flexible and helpful.'

Protecting critical infrastructures

'The second scenario in which we recommend the Fox DataDiode involves critical national infrastructures, such as electricity utilities, the oil industry, airports, the railways, metro and pharmaceutical companies. Such companies generally operate with two types of network. The first is that of the SCADA installations (Supervisory Control And Data Acquisition, a system which processes measurement and control signals from a range of equipment in large industrial systems), and the other network facilitates orders and invoices. As soon as information has to be sent from one network to the other, the Fox DataDiode's one-way traffic is necessary. Imagine if a Trojan Horse managed to enter the SCADA network and for example, disrupted the railway signaling alongside the rails of a high-speed train. The chaos and disaster this could cause is unimaginable.' Programatic has studied the network construction of these types of organisations to determine precisely where the Fox DataDiode needs to be installed.

Highly classified

'We train military personnel with a thorough background in security technology, so that they can then develop and implement solutions for highly classified applications themselves. In so doing we are advisors and the 'helpdesk',

but – understandably – the specific application still remains secret to us. The only thing we know is that some of the equipment we supply is being deployed during the mission in Afghanistan, and that the Ministry of Defence uses it to track the position of its military fleets.'

Small suppliers increasingly important

What are Corti's views on the future of network security? 'I believe that critical infrastructures are becoming increasingly important in our lives, and that we must therefore focus more on protecting these networks. I also think that small suppliers who have specialized in network protection, for instance, will come to play a greater role. It is precisely these smaller organisations with their very specialized knowledge who are more valuable than a major company that does a little of everything.'

Fortify and secure your network connections

A wealth of information on the different applications and scenarios for the Fox DataDiode is available on our website. The Fox DataDiode is delivered through a global network of certified and trained partners who are knowledgeable in handling confidential information. For more details, including partner information, please go to www.foxdatadiode.com.

Fox-IT

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