



Assess your security without the risk of disruption

# Passive Auditing

In order to be sure that the security of your systems is – and remains – at the appropriate level, it is important to carry out regular security audits. However, active auditing techniques cannot be used in business-critical environments because there is a risk of disruption. In order to provide you with the information you need on the security of your business-critical environments, Fox-IT offers a Passive Auditing service, designed to produce a reliable assessment based on monitoring and analysing your network traffic.

### Your security could be below par

You should be able to assume that all your security measures will do what they were designed to do, although you have no guarantees. Data traffic that passes through your security facilities is not necessarily secure. Technology can fall short, for example because virus scanners do not always recognize new threats ('zero-day attacks'). And when people are involved, human error is always a possibility. Although you have all the relevant security measures in place, they might not be providing the level of protection you require. In most cases, a lack of real-time information on what is occurring on your networks means that deficiencies are not discovered until it is too late.

### Disruptions to critical systems are not acceptable

For these reasons it is highly advisable to have your IT security assessed by experts on a regular basis, to establish whether it still meets your requirements. Various methods can be used for this purpose. In certain cases, active techniques such as penetration tests and vulnerability scanning are used. But these methods could have a negative impact on systems that are being tested. They are not appropriate for business-critical environments such as industrial process-control systems and medical systems, where the smallest disruption is unacceptable.

As a result, the security of these critical systems is not sufficiently assessed. Weaknesses remain undiscovered and therefore unresolved, which means that these business-critical systems are vulnerable to misuse – imagine all the damaging consequences this could have...

### Effective assessment using traffic analysis

Fox-IT has developed Passive Auditing for such specific situations. By monitoring and analyzing your network traffic, we are able to assess the level of security of your environment. Passive Auditing enables us to produce a detailed overview of the day-to-day activities in your business-critical network during a typical production period of a few weeks. The overview shows you exactly which systems and services are active, which protocols are used by which hosts and to what extent. Possible misconfigurations and unexpected traffic flows are quickly discovered. Further detailed research is carried out to determine whether there are possible 'malware exploits' such as activity by viruses, spyware and adware. Or that maybe users engage in high-risk e-mailing and surfing. Passive Auditing is an excellent solution for use in your critical IT environment, since it does not involve the use of active methods that could cause disruption.

**Passive Auditing provides you the information you need on the security of your business-critical environments, without the risk of disruption.**

## Passive Auditing

- Reliable assessment of your security without the risk of disruption
- Assessment based on monitoring and analyzing your network traffic
- Detailed information about the traffic flow of your network
- Detection of hacking attempts, activities of malware exploits, high risk e-mailing and surfing by users
- You will receive an extensive report containing all findings and recommendation
- Passive Auditing is an excellent solution for use in your critical IT environment

## Fox-IT

Fox-IT is a leading IT security company with a strong international reputation. From our headquarters in the Netherlands and our offices in Aruba and the UK, we deliver specialist security and intelligence solutions for government bodies and other major organizations worldwide. Our core business is developing solutions for the protection of state secrets, conducting digital forensics, audits, managed security services, consultancy and training courses.

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