REDSOCKS
malicious threat detection

Breach Detection in the Financial Services Sector

Financial Services Sector remains targeted by cyber criminals

Cyber risks, it seems, are everywhere. Retailer agreements breached, intellectual property stolen and data is being hacked almost on a daily basis. According to the CFO SignalsTM survey, cyber-attacks are one of the most pressing concerns for banking chief executives.

Financial institutions have taken significant steps to bolster cyber security efforts in recent years. Nevertheless, banks and other financial services companies are being challenged by the speed of technological changes and the increasing sophisticated of cyber threats. Unfortunately, classic security controls (firewalls, antivirus, Intrusion Detection Systems [IDS], Intrusion Prevention Systems [IPS], and so on) are decreasingly effective as attackers employ innovative techniques to evade them. It appears that attackers are often many steps ahead, as it is their core business.

RedSocks Features

- √ **Immediate insight & action**
- √ **Non-intrusive solution**
- √ **No impact on stability & performance**
- √ **Import your own threat intelligence with STIX and TAXII**

RedSocks Benefits

- √ **Filter determines own choices which you rely on**
- √ **Compliant with EU GDPR and NL Mandatory Data Breach Notification Regulation**
- √ **Can detect & report unknown threats**
- √ **Pure Dutch, no dependencies of non-Dutch companies**

Facing the facts: how safe are you and your organisation really from cyber-attacks?

Bank websites, automated clearing houses and payroll systems are increasingly being targeted using financial Trojans, as a virus disguises itself as a legitimate piece of software. In the meantime, the malware distributors continue to develop their tricks and reach over the internet to banking data in a way, that is usually hard to recognize as illegal and/or fraud.

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Planning a new defense: the solution

How do we know that our transactions are secure? How can related risks be minimized and related funding be decreased? RedSocks developed a product: the Malicious Threat Detector (MTD). This product enables you as a client to gain real-time insight in all outgoing internet traffic. Therefore you have direct insight in internet traffic that you don't trust! The MTD will display alerts when malicious activities occur.

How does it work?

The MTD will be located next to the router that transfers your data to the internet. This router inspects metadata of the network traffic to the MTD. We do not look at your content, but we inspect data like origin and destination address, MAC address, protocol, used port and the size of the communication. RedSocks uses the so called "Intelligence Driven E-gress Security Model". The MTD analyses the metadata using this model and verifies these data against lists with addresses, of which we know that these communicate with malware. These algorithms and lists are developed and kept up-to-date on the basis of analysing a million pieces of malware each hour.

Benefits for the financial sector

As the MTD enables you to indicate which communication you trust and which not, communication with nontrusted IP-addresses will be reported directly. The MTD provides you with the option to undertake immediate action, depending on the threat level. While detecting non-trusted communication the MTD provides you with the option to perform a historic analysis over the last 12 months on this threat.

The continuity of your IT facilities is essential for your company. Don't take any risk and prevent malware from harming your company.

Why RedSocks?

RedSocks is a Dutch company that specialises in malware detection. Our solution, RedSocks Malicious Threat Detector (MTD) is a network appliance that analyses digital outgoing traffic flows in real-time based on algorithms and lists of malicious indicators. This critical information is compiled by the RedSocks Malware Intelligence Team. The team consists of top specialists whose job it is to identify new threats on the Internet and translate them into state-of-the-art malware detection capabilities.

For more information

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