SPARK

SPARK is a portable scanner that detects hack tools, backdoors and traces of hacker activity on end points.

While everyday Anti-Virus scanners recognize malware such as viruses, trojans and exploit codes, SPARK uses more than 9000 special signatures to examine systems for typical attacker tools, activities in logs, system manipulations, and other elements that can expose attacker activities.

The major differences to THOR is the completely different code base that allows us to compile SPARK for any desired platform like Windows, Linux and macOS. It is smaller, faster and more flexible than THOR but lacks some features, modules and checks on the Windows platform.

Security analysts, forensic experts and security monitoring specialists at Nextron Systems regularly update SPARK with information from various sources on attack patterns and hack tools. These sources include:

- Threat intel reports and threat exchanges
- Internal research
- Ongoing monitoring of attackers tool sets
  (e.g. disclosed tools, hack tools from underground forums)
- Forensic analyses of compromised systems in customer APTs

SPARK can be easily extended to handle individual, client-specific IOCs like hashes, C2 servers, file names and YARA rules. We use a simple to write and read CSV format that many users have come to appreciate from LOKI, our Open Source scanner.

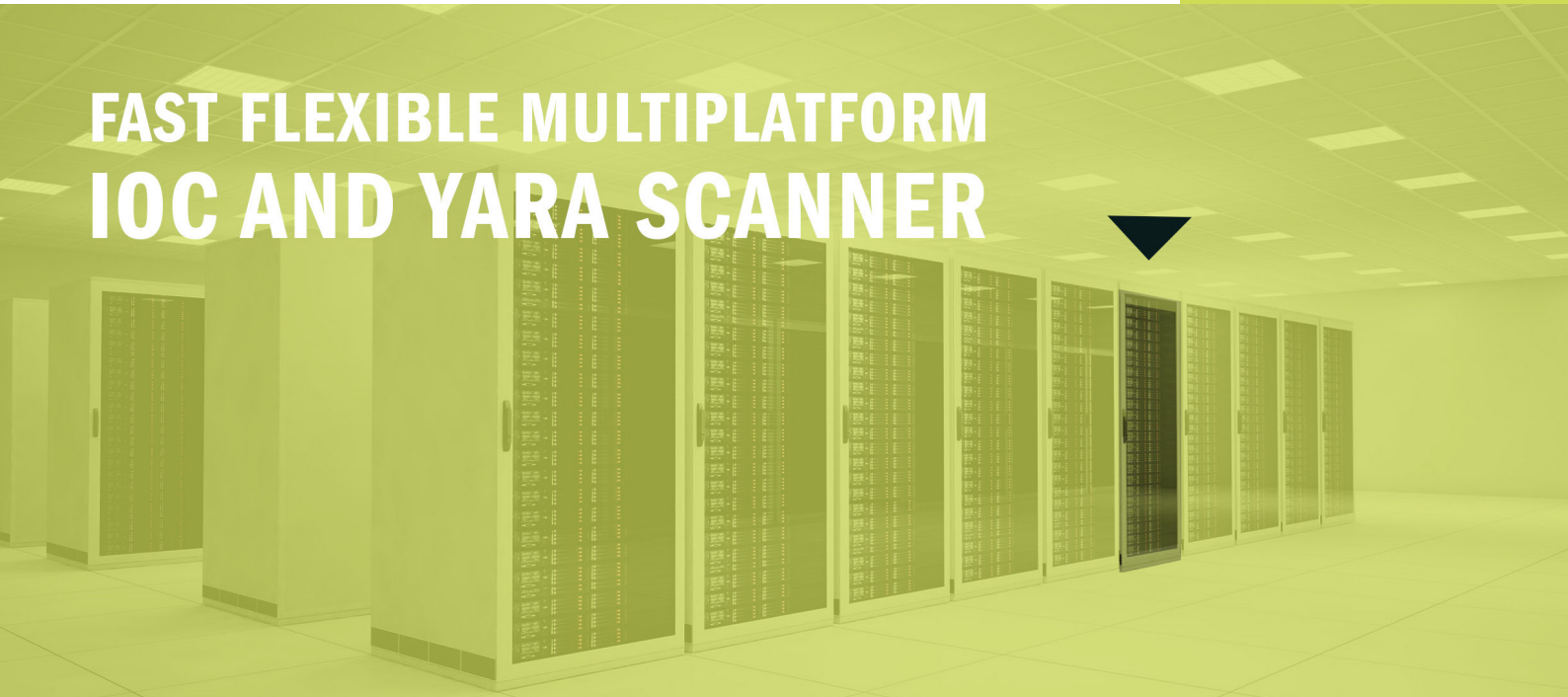
Focus on APTs

Fast, Lightweight and Multiplatform

Signatures maintained by security researchers

Specific indicator and signature sources

Custom case-related attack patterns



FAST FLEXIBLE MULTIPLATFORM
IOC AND YARA SCANNER

SPARK

SPARK generates different output types: a text log and SYSLOG output in Text or JSON form that can be send to remote systems.

The well-known CEF format, used by ArcSight, is also supported. Therefore it is an easy task to integrate SPARK's logs into any major SIEM system.

SPARK can operate completely offline. The scope of application is therefore very flexible. You can easily scan separated network segments like DMZs, collect and merge the generated log data afterwards.

	SPARK	THOR
Main Use Case	Preventive Scanning / Triage	Incident Response / Live Forensics
Platform	Windows, Linux, macOS	Windows
Size (Binaries)	9 MB	16 MB
Language	Go	Python
Modules	9	26
Special Extras	JSON output SYSLOG (tcp/udp/ssl) Scan Throttling	... a lot, see comparison

There are three major use cases for SPARK:

- **Triage Sweep**
  Scan run on all systems in a system einvironment, reporting to a central SIEM to identify compromised systems
- **Single System Live Forensics**
  Scan run on a single running system reported as suspicious to falsify or verify a possible threat
- **Image Scan im Lab**
  Scan run on a mounted drive image in the Lab to identify known indicators of compromise and speed up forensic analysis

Further advantages / features are:

- Quick scan mode for fast analysis of the most important elements within minutes
- Sigma rule application on endpoints
- Extensive STIXv2 support
- Free Splunk App / Add-on
- Resource control feature provides high stability and ensures low CPU load during the scan
- Encrypted signatures
  (bundled with encrypted rule set, encrypt custom rules with 'thor-util')
- Data protection option to remove personal information from scan results
- Direct contact to the developers / quick feature integration / security made in Germany

SPARK

Scan your systems with SPARK to gain certainty about their integrity and detect possible attackers.

Contact us today via the following address: