Nyotron

Description:

Nyotron began delivering its solution in 2015, making it a very new entrant into the NGES foray. Its PARANOID approach is very different than others in the market. Nyotron understands that the types of threats and the avenues to system compromise are nearly infinite. That is why the pace of change in the endpoint threat landscape is so rapid. Small changes in the attack method are often equivalent to a large change in defense needs, which means chasing threats and attack vectors requires constant updates of signatures or regular training updates of behavioral models.

Because **Nyotron PARANOID** doesn't care about the threat, it is truly a threat-agnostic solution to protect endpoints regardless of the type of attack, how it was generated, or how it penetrated network or system defenses. Though it sounds radical, it's more revolutionary.

How does it accomplish this feat? PARANOID also knows that though attack methods and vectors change rapidly, the means of interacting with a system are finite. Operating systems contained defined and well-documented methods of accessing and updating resources such as memory, processes, and files. Good applications and processes follow the rules of engagement; malicious ones do not. From memory heap spray, to process injection and piggybacking, and everything else that wants system resource access, these tactics have to interact with the operating system to be successful. They make requests that violate the patented Behavior Pattern Mapping (BPM) Nyotron created.

Leveraging BPM, Nyotron creates real-time visibility into all protected endpoints for enhanced monitoring and the level of detail held by PARANOID provides step-by-step attack visualization and forensics. As attacks emerge within the environment, PARANOID provides proactive detection of zero-day malware and advanced persistent threats (APTs). It integrates into response management solutions and is available as a managed service, on-premises, or as a cloud SaaS offering. PARANOID can operate in prevent mode and detect-only mode.

Nyotron's Managed Defense Services support clients by providing 24x7x365 monitoring and activity management all the way through incident management with incident response, crisis management, and forensic details of the incident. Nyotron even offers an "**Under Attack**" contact on their website for organizations currently experiencing an attack. They will aid in containing the situation in good faith while waiting on all of the paperwork to get figured out.

Nyotron War Room uses the forensic information from PARANOID to present the analyst with advanced analysis of the attack sequence and attack path visualization, producing a complete story of the attack. Within War Room, analysts can view endpoints according to their desired classifications–by network grouping, application, geo-location, etc. using the highly configurable 3D management console. Full network and attack visualization allows analysts to view, analyze, and respond to threats in real time. Weak defenses can be bolstered to prevent exploitation in a future attack.

Category: Detection, prevention, incident response, and system forensics for Windows systems

Entered Enterprise Market: 2015

2016/2017 Company growth: >100%

2016/2017 Market share by licenses sold: <1%

2016/2017 Market share by revenue: <1%

2016/2017 Rank by largest single deployment: 13

2016/2017 Rank by licenses sold: 12

2016/2017 Rank by market share: 11

Analyst Notes:

Nyotron has a truly unique approach to endpoint protection. To prove its point about PARANOID's effectiveness, it is currently offering a **free trial** to all businesses (not currently available for personal use).

©2017 Enterprise Management Associates, Inc. All Rights Reserved. | www.enterprisemanagement.com

About Enterprise Management Associates, Inc.

Founded in 1996, Enterprise Management Associates (EMA) is a leading industry analyst firm that provides deep insight across the full spectrum of IT and data management technologies. EMA analysts leverage a unique combination of practical experience, insight into industry best practices, and in-depth knowledge of current and planned vendor solutions to help EMA's clients achieve their goals. Learn more about EMA research, analysis, and consulting services for enterprise line of business users, IT professionals, and IT vendors at www.enterprisemanagement.com or blogs.enterprisemanagement.com. You can also follow EMA on Twitter, Facebook, or LinkedIn.

This report in whole or in part may not be duplicated, reproduced, stored in a retrieval system or retransmitted without prior written permission of Enterprise Management Associates, Inc. All opinions and estimates herein constitute our judgement as of this date and are subject to change without notice. Product names mentioned herein may be trademarks and/or registered trademarks of their respective companies. "EMA" and "Enterprise Management Associates" are trademarks of Enterprise Management Associates, Inc. in the United States and other countries.

©2017 Enterprise Management Associates, Inc. All Rights Reserved. EMA™, ENTERPRISE MANAGEMENT ASSOCIATES®, and the mobius symbol are registered trademarks or common-law trademarks of Enterprise Management Associates, Inc.

Corporate Headquarters:
1995 North 57th Court, Suite 120
Boulder, CO 80301
Phone: +1 303.543.9500
Fax: +1 303.543.7687
www.enterprisemanagement.com

3711.092117