LogRhythm | infinigate

Data Sheet

LogRhythm NDR

360-Degree Visibility that Protects Your Network

Digital transformation has upended the cybersecurity landscape. With the market shifting due to the Internet of Things (IoT), Artificial Intelligence (AI), a hybrid workforce, remote working, and cloud adoption, the demands placed on security and network teams is greater than ever. Gaps in visibility across the landscape are expanding and the amount of network traffic that must be analyzed to prevent attacks is growing exponentially every day. Relying only on perimeter tools is no longer the only option to protect your business when attackers are continually learning and adapting.

LogRhythm NDR enables overwhelmed security teams to detect network cyberattacks efficiently and effectively with advanced analytics. NDR collects user, host, and network data and utilizes both machine learning and deterministic detection techniques to gain seamless visibility, reducing the dwell time of threats that live outside the perimeter. With LogRhythm NDR, network teams can easily hunt and investigate surfaced incidents to help reduce the cost associated with attacks that usually go unnoticed.

Benefits

- **Eliminate Gaps in Visibility:** Not every device can have an agent installed, and not every device can send a log. LogRhythm NDR provides a comprehensive view into all enterprise devices, entities, and network traffic while analyzing all traffic flows across the environment, including activity that moves laterally.
- **Detect the Undetectable:** It's the invisible threat that can harm your business. LogRhythm NDR identifies traffic anomalies that signal malicious activity such as command and control, lateral movement, data exfiltration, and malware activities. LogRhythm NDR can detect sophisticated evasion methods or "known unknown" cyber threats and brand new zero-day threats or "unknown unknowns."
- **Reduce Dwell Time:** Reduce the pool of threats that need investigation. Our advanced analytics provides higher-fidelity alarms across the entire network to surface the most pertinent threats and reduce attacker dwell time by exposing their activity without them knowing.
- **Lower Costs:** Our flexible, centralized patented mesh technology ensures on-site analysis of network traffic as the data is not shipped to the cloud to perform the analytics; keeping costs predictable and affordable.

See What Dwells in the Dark

Threat Detection and Investigation

Advanced Analytics

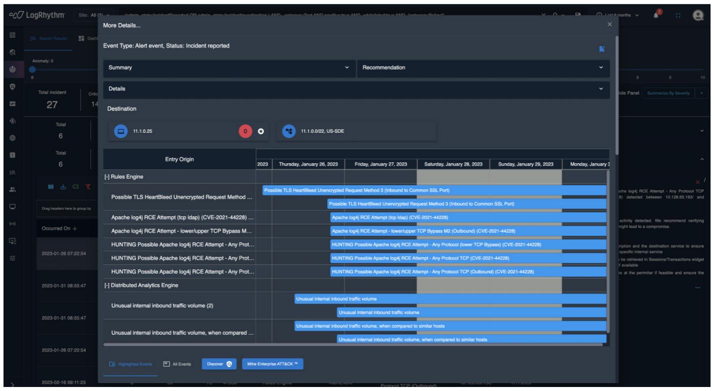
Network Monitoring

Mesh Architecture

Key Features

Advanced Analytics

While other NDR solutions rely solely on machine learning applied to single streams of data to detect threats, LogRhythm uses analytics that combine machine learning and deterministic detection techniques to analyze network, user, and host activity. This holistic approach provides a true representation of all activity within the enterprise domain, making it possible to detect in real time lateral movement, exfiltration, malware compromise, ransomware, and unknown threats.



More Details...

Event Type: Alert event, Status: Incident reported

Summary

Recommendation

Details

Destination

11.1.0.25 — 0

11.1.0.0/22, US-SDE

Entry Origin	2023	Thursday, January 26, 2023	Friday, January 27, 2023	Saturday, January 28, 2023	Sunday, January 29, 2023	Monday, January 3

[-] Rules Engine

- Possible TLS HeartBleed Unencrypted Request Method ...: Possible TLS HeartBleed Unencrypted Request Method 3 (Inbound to Common SSL Port); Possible TLS HeartBleed Unencrypted Request Method 3 (Inbound to Common SSL Port)
- Apache log4j RCE Attempt (tcp ldap) (CVE-2021-44228) ...: Apache log4j RCE Attempt (tcp ldap) (CVE-2021-44228)
- Apache log4j RCE Attempt - lower/upper TCP Bypass M...: Apache log4j RCE Attempt - lower/upper TCP Bypass M2 (Outbound) (CVE-2021-44228)
- HUNTING Possible Apache log4j RCE Attempt - Any Prot...: HUNTING Possible Apache log4j RCE Attempt - Any Protocol (lower TCP Bypass) (CVE-2021-44228)
- HUNTING Possible Apache log4j RCE Attempt - Any Prot...: HUNTING Possible Apache log4j RCE Attempt - Any Protocol TCP (CVE-2021-44228)
- HUNTING Possible Apache log4j RCE Attempt - Any Prot...: HUNTING Possible Apache log4j RCE Attempt - Any Protocol TCP (Outbound) (CVE-2021-44228)

[-] Distributed Analytics Engine

- Unusual internal inbound traffic volume (2): Unusual internal inbound traffic volume; Unusual internal inbound traffic volume
- Unusual internal inbound traffic volume, when compared ...: Unusual internal inbound traffic volume, when compared to similar hosts; Unusual internal inbound traffic volume, when compared to similar hosts

Figure 1: Gain insight into potential threats through advanced analytics

Mesh Architecture

LogRhythm NDR's mesh architecture technology eliminates data movement between locations to minimize transport charges and to optimize scalability. By utilizing distributed computing to scale data collection and analytics, NDR co-locates analytic processing alongside our collection engines constructing a distributed mesh for data processing. By easily collecting and enriching data on location, operating costs are reduced, and privacy risk and compliance issues are eliminated.

Built-in MITRE ATT&CK Framework

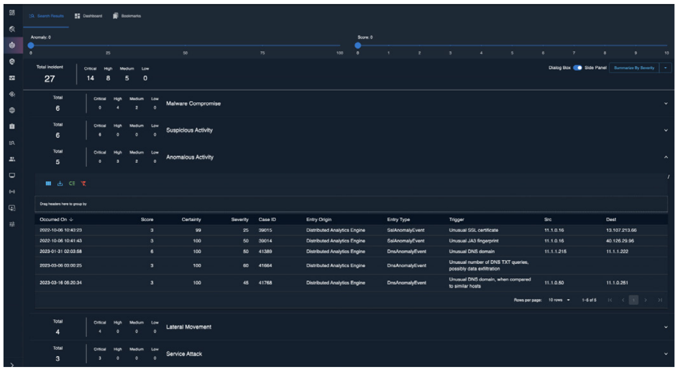
Built-in MITRE ATT&CK™ engine combined with real-time and historical visualization tools help analysts hunt for threats. Gain a complete security narrative with automatic mapping of threats to MITRE ATT&CK tactics, techniques, and threat group signatures that gives detailed descriptions, recommended remediation tips, and reporting tools.

Network, Host, and User Visibility

Real-time network monitoring gathers data from within your environment across users, networks, and hosts to provide relevant, contextual information that streamlines your investigations. NDR is agentless and ingests data and logs to monitor OS and workload behaviors across environments which provide flexible and scalable monitoring of applications workloads regardless of their location.

Threat Hunting and Investigation

Easily discover anomalous activity across various attributes, protocols, and geographies with high-level summaries and side-by-side threat hunting that give context into threat activities. Gain greater clarity and faster analysis and decision making through incident timelines that combine detections and engines. Network forensics provides anomaly detection and investigative capabilities for better incident response (PCAPS, Netflow). And over 20,000 out-of-the box detection rules provide immediate protection against known security threats and rules customization helps meet specific industry security and compliance needs.



Total incident	Critical	High	Medium	Low
27	14	8	5	0

Category	Total	Critical	High	Medium	Low
Malware Compromise	6	0	4	2	0
Suspicious Activity	6	6	0	0	0
Anomalous Activity	5	0	3	2	0
Lateral Movement	4	4	0	0	0
Service Attack	3	3	0	0	0

Occurred On	Score	Certainty	Severity	Case ID	Entry Origin	Entry Type	Trigger	Src	Dest
2022-10-06 10:43:23	3	99	25	39015	Distributed Analytics Engine	SslAnomalyEvent	Unusual SSL certificate	11.1.0.16	13.107.213.66
2022-10-06 10:41:43	3	100	50	39014	Distributed Analytics Engine	SslAnomalyEvent	Unusual JA3 fingerprint	11.1.0.16	40.126.29.96
2023-01-31 02:03:58	6	100	50	41389	Distributed Analytics Engine	DnsAnomalyEvent	Unusual DNS domain	11.1.1.215	11.1.1.222
2023-03-06 03:00:25	3	100	60	41664	Distributed Analytics Engine	DnsAnomalyEvent	Unusual number of DNS TXT queries, possibly data exfiltration		
2023-03-16 05:20:34	3	100	45	41768	Distributed Analytics Engine	DnsAnomalyEvent	Unusual DNS domain, when compared to similar hosts	11.1.0.50	11.1.0.251

Figure 2: Easily drill down into incidents to obtain detailed threat information

SIEM, EDR, and Firewall Integrations

Plug & play integration with SIEM, EDR and other security solutions simplifies deployment, delivers broader threat detection, and provides comprehensive visibility across your environment.

Professional and Consulting Services

Gain a faster time to value with guidance from our experts.

About LogRhythm

LogRhythm helps busy and lean network teams save the day — day after day. With a potent combination of its comprehensive security operations platform, technology partnerships, and advisory services, LogRhythm empowers network teams to navigate a changing threat landscape with confidence. Together, we are ready to defend.

Interested in seeing LogRhythm NDR in action? Request a demo today!

info@logrhythm.com // 1.866.384.0713 // +44 (0)1628 918 330 // +65 6222 8110 // +61 2 8019 7185

www.logrhythm.com

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