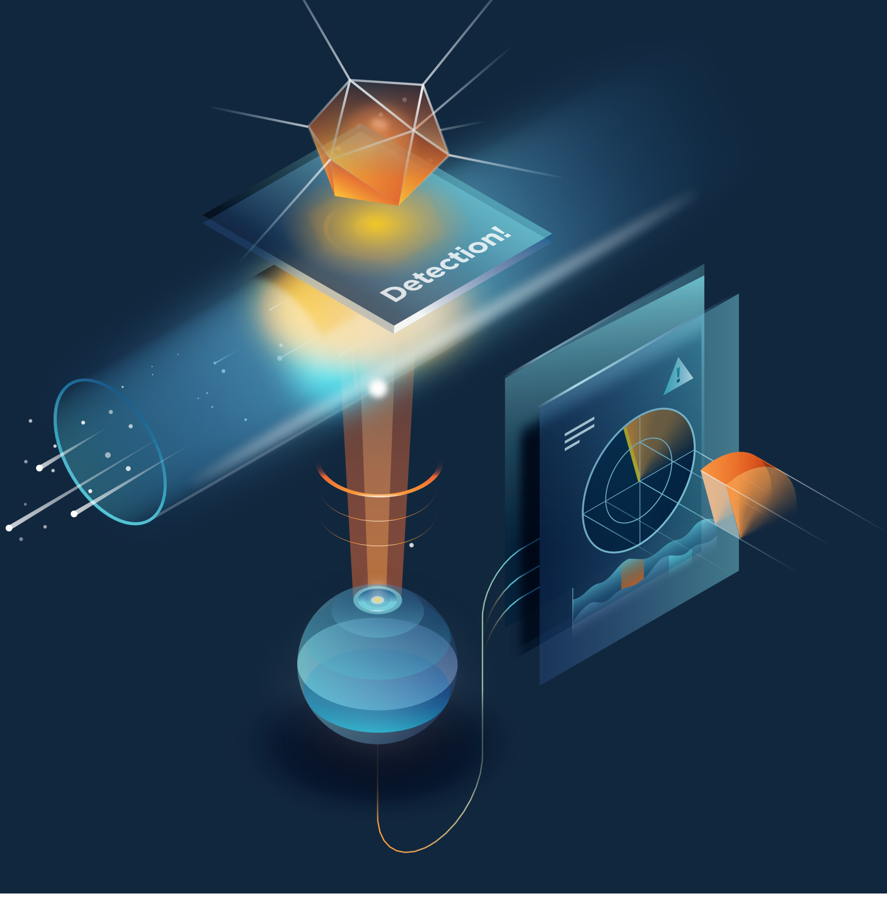
Progress® | Flowmon



Unknown **Threat Detection**

Threat actors constantly modify code and use advanced techniques to hide in network traffic. But they still leave footprints scattered all over the network. Where siloed tools deliver only partial information on breaches, Flowmon's detection and security analytics make it possible to piece together all anomalies, zone in and get a clear picture of the risk.

Today, security experts look for a technology that observes indicators of compromise at every stage from reconnaissance to lateral movement or data exfiltration, pieces the information together and presents it as one clear picture to help to see which events pose the highest risk and require the most attention.

197 days

The average time to detect a data breach.

Source: 2018 Cost of a Data Breach Study, Ponemon Institute

70%

of the companies would have known about the data breach if they had looked at their logs.

Source: 2019 Data Breach Investigations Report, Verizon

"The Flowmon solution is widely used in our company both by network and security engineers. Everyone receives the most important information necessary for their work."

orange™

Flowmon shields you from the noise and clutter of data and presents a holistic view of the situation from the network perspective.

The network never lies - external data breaches cannot occur without communication, and not even encryption will hide them.

The solution enables you to respond in early stages of breaches, whether it is a known or unknown malware or a targeted attack. Most importantly it will help you to reduce dwell time and streamline threat detection and response.

What is considered to be an **unknown threat**

The traditional way of detecting threats is based on signatures - a characteristic piece of code that can be recognized by detection software. However, some threats are too new or too rare for the signature to be available.

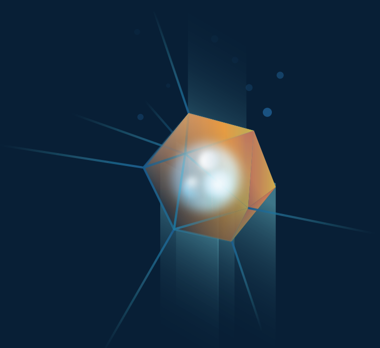
Malware constantly adapts to outrun the rate at which signature databases can be updated. Similarly, advanced persistent threats and targeted attacks are purposely designed to penetrate the victim's defences, often with substantial backing from powerful organizations or states.

However, Flowmon does not rely on signatures and has ways of detecting them.

USER BENEFITS

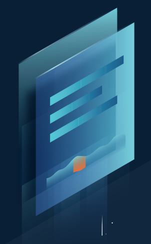
Fast time to value
Streamlined deployment, user enablement, predefined views, dashboards and reports. From deployment to data on the dashboard in just 30 minutes.

Threat hunting time reduction
Events are presented in meaningful context to support real-time threat-hunting and recorded in full for convenient post-compromise analysis.



Reduction of risk
Prevent breaches by identifying non-compliant, high-risk assets.

Breach impact minimization
Flowmon monitors network traffic to proactively alert on a compromise at an early stage so that breach dwell time can be reduced.



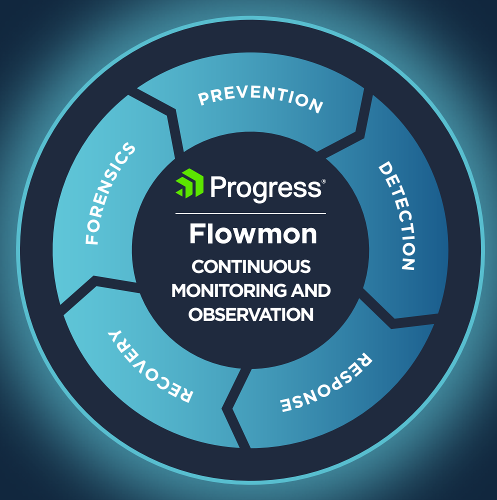
Breaking NetOps and SecOps silos
Response time is reduced when both teams collaborate on prevention, detection and response.

PREVENTION

While the NetOps team will appreciate Flowmon's data on network structure during sizing, capacity planning or performance management, SecOps teams will use the same data to identify non-approved service traffic

FORENSICS

Flowmon stores full traffic statistics for weeks or even months, and auto-triggers the recording of detected anomalies to provide full packet trace of the event. This provides a wealth of insight about the communication and enables post-compromise analysis of the incident.



DETECTION

Perimeter and endpoint security can only protect against threats of known signature. The rest require a layered security model that can monitor the gap between perimeter and endpoint and pick up early indicators of compromise on the network level.

RECOVERY

Flowmon helps to assess the attack scope and impact to draft a robust recovery plan. This includes identifying parts of the network which were compromised, assets and users affected, and what needs to be re-installed or recovered.

RESPONSE

When it comes to response, the SecOps team assesses the risk and decides how to mitigate, but it's the NetOps who carries it out on the network level. Flowmon helps with coordination between the teams and agreement on the remedial action, which is essential for faster time to respond.

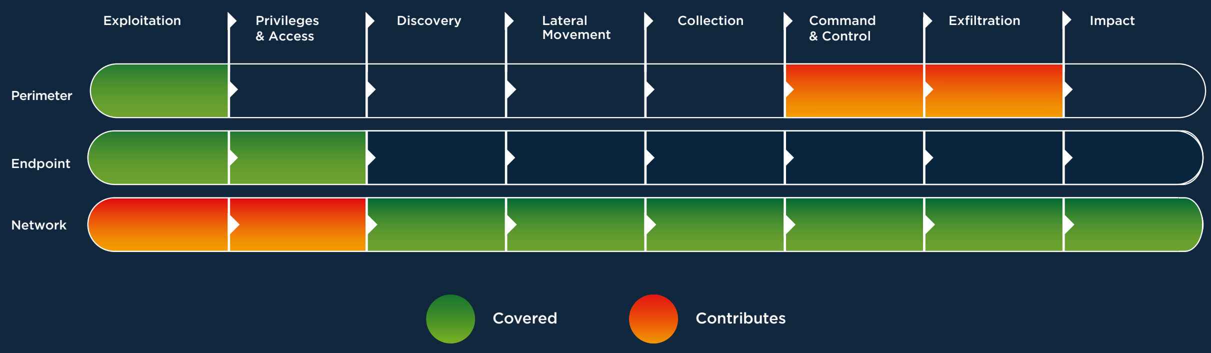
30 min
From deployment to dashboard insights

Day Zero
Respond to advanced persistent threats on Day Zero

16x
Up to 16x faster time to resolution

How does it work?

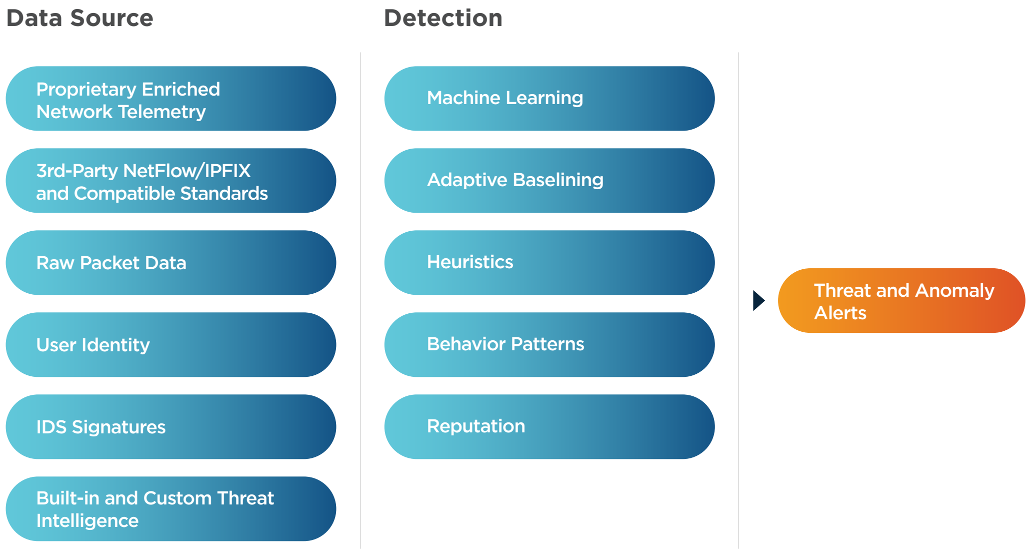
The detection of unknown threats requires layered security consisting of several approaches that can pick up various anomalies and recognize them as indicators of compromise. Flowmonco-creates these layers alongside antivirus and firewall to monitor the endpoint, perimeter and the network itself.



	Exploitation	Privileges & Access	Discovery	Lateral Movement	Collection	Command & Control	Exfiltration	Impact
Perimeter	🟩					🟥	🟥	
Endpoint	🟩	🟩						
Network	🟥	🟥	🟩	🟩	🟩	🟩	🟩	🟩

🟩 Covered 🟥 Contributes

Flowmon does not use just one detection mechanism, but several, all working at the same time. They cover a wide number of scenarios by examining the network from several points of view. For instance, threats that would escape detection by reputation databases will be revealed by entropy modeling. Because the solution uses network traffic metadata for its analysis, it has no problem delivering the same level of detection accuracy in encrypted traffic as well.



Data Source

- Proprietary Enriched Network Telemetry
- 3rd-Party NetFlow/IPFIX and Compatible Standards
- Raw Packet Data
- User Identity
- IDS Signatures
- Built-in and Custom Threat Intelligence

Detection

- Machine Learning
- Adaptive Baselining
- Heuristics
- Behavior Patterns
- Reputation

Threat and Anomaly Alerts

Once a threat is detected, the user is alerted and can immediately see the event and what it represents in the given context. Such insight is necessary for immediate and deliberate decision-making and prioritization.

Flowmon can automatically trigger a response via integration with other security tools to block or quarantine the threat. The event is logged and recorded for full forensic drilldown.

www.flowmon.com