

ATLAS Intelligence Feed Service

for Arbor Threat Mitigation System (TMS)

HIGHLIGHTS

Actionable Threat Intelligence Designed for Full-stack DDoS Protection

ATLAS® Intelligence Feed (AIF) for NETSCOUT® Arbor Threat Mitigation System (TMS) is a subscription-based service designed to optimize the TMS defenses to protect the network environments where deployed.

Key Features and Benefits

DDoS Attack Intelligence – Arbor TMS is continually armed with highly curated, global DDoS attack intelligence from ASERT enabling you to automatically stop known or emerging DDoS attacks.

TMS Mitigation Templates – Take advantage of ASERT's industry-leading experience in stopping DDoS attacks by continuously receiving predefined TMS mitigation templates.

Active Reflection/Amplification Attack Filters – TMS will continuously receive and apply a filter list of active reflectors conducting Reflection/Amplification attacks as seen by ASERT / ATLAS global threat intelligence.

Intelligent Warning Service – Rely upon ATLAS/ASERT worldwide botnet monitoring along with expanded contextual intelligence for a proactive, intelligent warning of active DDoS attacks targeting your organization.

Working seamlessly together, your Arbor Sightline and Arbor Threat Mitigation System (TMS) already offer an industry-leading DDoS attack protection solution. But as the volume of network traffic and cyber threats continue to increase in frequency and sophistication, mature security teams will rely not only upon the latest cybersecurity technology (e.g., Arbor Sightline and TMS), but also highly curated threat intelligence that continuously arms these products enabling them to conduct more agile incident response and remediation.

NETSCOUT ATLAS Intelligence Feed (AIF) is a unique and powerful fusion of:

- **People** – NETSCOUT's ATLAS Security and Engineering Research Team (ASERT) is an industry renowned elite group of security researchers and Super Remediators that routinely collaborates with government CERTS and is an active part of a large cybersecurity community.
- **Collections** – Cohesively known as ATLAS, years of unparalleled global collection consisting of anonymized data sent from over 350 Arbor product deployments, private and public threat intelligence sources, sinkholes, botnet monitoring, darknet forum monitoring, honeypots, and sinkholes.
- **Process** – Enrichment, Deep Behavioral Analysis, Recursive Introspection & Extraction, and Validation.

ATLAS Intelligence Feed for Arbor TMS

NETSCOUT's ATLAS Intelligence Feed (AIF) for Arbor TMS is a continuous feed of highly curated threat intelligence that enables you to automatically detect and mitigate all sorts of cyberthreats before they impact your or your customers. It consists of:

Category	Description
DDoS IP Reputation	Leveraging NETSCOUT ASERT's unmatched, global visibility into DDoS attack activity, the AIF is automatically updated with IP addresses of devices that are actively executing DDoS attacks. This DDoS IP Reputation data can be used to surgically block specific attack vectors, including all major Reflection/Amplification DDoS attack types. (e.g. only block sources actively executing NTP Reflection/Amplification attacks). With minor customization for your environment, Arbor TMS automatically applies this actionable intelligence.
DDoS Attack Payload	The AIF contains several continuously updated DDoS attack signatures that Arbor TMS uses to inspect packet payloads and automatically mitigate application-layer DDoS attacks.
TMS Mitigation Templates	Take advantage of ASERT's industry-leading experience in stopping DDoS attacks by continuously receiving predefined TMS mitigation templates from the AIF. These templates can be easily customized for your environment to stop the latest DDoS attacks or protect certain server types.
Intelligent Warning Service	Rely upon ATLAS/ASERT worldwide botnet monitoring along with expanded contextual intelligence for a proactive, intelligent warning of active DDoS attacks targeting your organization.

Turning Massive Amounts of Internet Data into Actionable Threat Intelligence

ASERT continuously scans the Internet to identify all possible open reflectors for each type of reflection/amplification attack. The result is millions of abusable IP addresses. That huge amount of data is interesting, but not actionable. ASERT makes this intelligence useful and actionable by correlating it with the real-time, worldwide, DDoS attack data they get from ATLAS. For example, at any time, there are over 9 million abusable open NTP reflectors on the Internet. When correlating that to an ATLAS-derived list of reflectors actively conducting NTP Reflection/Amplification (R/A) attacks, the number of IP addresses is reduced to approximately 250 K. This much more manageable list of IP addresses is continuously sent to TMS via the ATAS Intelligence Feed where it is applied as a TMS filter that can be used to automatically and more intelligently block NTP R/A attacks. Only NETSCOUT has the ATLAS real-time DDoS attack data. Only NETSCOUT can provide this kind of DDoS intelligence to drive surgical, automated blocking for today's most common and most threatening DDoS attacks.

As new attack information is discovered, the ATLAS Intelligence Feed is updated, and changes are delivered automatically to your NETSCOUT Networks Threat Mitigation System via a subscription service over a secured SSL connection.

Effective threat intelligence requires three things:

1. Continuous source of real-world network traffic and data;
2. Robust infrastructure for gathering and analyzing network traffic and threat data; and
3. Dedicated team to manage data and add the "human intelligence" to the analysis.

Truly great threat intelligence goes beyond collecting and analyzing attack data. It should make a marked improvement over existing staff and processes. This information must be actionable and seamlessly integrated into your security posture. ATLAS Intelligence Feed for TMS allows you to enforce highly curated threat intelligence from industry renowned experts to protect you and your customers from the continuous onslaught of cyber attacks.

LEARN MORE

For more information about ATLAS Intelligence Feed Service visit:

<https://www.netscout.com/global-threat-intelligence>



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