

# Flowmon ADS Specification

---

MODELS LIST





		Lite FP-ADS-L	Standard FP-ADS-S	Business FP-ADS-B	Coporate FP-ADS-C	Enterprise FP-ADS-E	Ultimate FP-ADS-U
<b>Data processing</b>	Flow data	NetFlow v5/v9, IPFIX, NetStream, jFlow, cflowd					
	External information	Flowmon Threat Intelligence (reputation databases, indicators of compromise), whois, IP tools, weblinks					
	Behavioral detections	machine learning, adaptive baselining, behavior analysis, heuristics					
	IDS detections	built-in integration with Suricata IDS running on Flowmon Probes					
<b>Event reporting</b>	Reporting and alerting	e-mail, PDF/CSV, syslog, SNMP, packet capture trigger, script trigger					
	SIEM support	Using CEF (over syslog), SNMP trap					
<b>Performance indicators<sup>1</sup></b>	Stream data processing (flows/s)	100	1 000	5 000	20 000	50 000	100 000
	Behavior patterns processing (flows/s)	100	1 000	5 000	20 000	25 000	25 000
	Data feeds	1	3	5	20	50	100
	Required memory (GB)	4	8	16	32	64	128
	Required CPU cores	1	2	4	8	16	24
<b>User interface</b>	Event visualizations	Event analysis tree, Timeline, Details, Evidence, Interactive					
	3rd Party integration	IBM QRadar App, LDAP/AD, McAfee ePO					

<sup>1</sup> Flows per second rate corresponds to unidirectional flow data before it is aggregated to bi-direction flow. Detection method configuration where there are high numbers of method instances and assigned active data feeds may lead to performance issues. The performance is declared for standard product configuration (all detection methods enabled, one method instance per method, proxy correlation disabled) while providing a required amount of memory for Flowmon ADS.

By enabling the proxy correlation, the performance can decrease up to 50% of the original value. Proxy correlation is available only for stream engine, and thus affects only stream data processing performance. Required memory refers to memory consumed by ADS only. It is recommended that the total memory of the Flowmon appliance is double the one for ADS. Insufficient memory allocated to Flowmon ADS does have an impact on detail of individual events as in memory rolling store for flow data does not provide sufficient history.

In case of insufficient memory Flowmon ADS will dynamically decrease the flow store capacity to continue data processing. Required CPU cores refer to CPU cores including hyperthreading allocated for ADS only. Providing less CPU cores may lead to performance degradation.

**Total performance** refers to the maximal number of flows per second processed on all active data feeds combined. For stream processing the limit is applied when the one-hour average value of flows/s exceeds threshold. For BPATTERNS processing the limit is applied when the 5-minute average value of flows exceeds the threshold. Therefore short flow bursts and traffic spikes will be processed, even if over the limit.

**Behavior patterns (BPATTERNS)** performance is the maximal amount of flows per second processed on all active data feeds assigned to this detection method. The performance is load balanced between data feeds equally, first flows in a 5-minute batch within the available capacity are processed. The limit is applied to the 5-minute data batches. BPATTERNS engine is based on batch processing of flow data.

**Data feed** is a receiver for flow data from Flowmon Collector. Data feeds provide logical separation of data from different network segments (e.g., LAN, DMZ) or different organizations (tenants). For a single Data feed, multiple instances of each detection method can be defined. Internal context and classifiers for each Data feed and method instance are computed and kept in isolation.

**Flowmon Threat Intelligence** is a premium cloud-based service included in Gold and Platinum Support. The service offers reputation data and indicators of compromise such as recent attackers, infected hosts, or botnet command & control centers. This information is used as a basis for the detection of suspicious network communications via BLACKLIST method. Flowmon Threat Intelligence also updates Behavior patterns to detect known threats or zero-day attacks using behavior analysis principles.

**Flowmon ADS ISP** edition is no longer available and is replaced by the standard models as follows:

Flowmon ADS ISP version	Replacement
Flowmon ADS ISP 1 & Flowmon ADS ISP 4	Flowmon ADS Business
Flowmon ADS ISP 10 & Flowmon ADS ISP 40	Flowmon ADS Corporate
Flowmon ADS ISP 100 & Flowmon ADS ISP 400	Flowmon ADS Enterprise






## About Progress

Dedicated to propelling business forward in a technology-driven world, [Progress](#) (NASDAQ: PRGS) helps businesses drive faster cycles of innovation, fuel momentum and accelerate their path to success. As the trusted provider of the best products to develop, deploy and manage high-impact applications, Progress enables customers to build the applications and experiences they need, deploy where and how they want and manage it all safely and securely. Hundreds of thousands of enterprises, including 1,700 software companies and 3.5 million developers, depend on Progress to achieve their goals—with confidence. Learn more at [www.progress.com](http://www.progress.com)

2022 Progress Software Corporation and/or its subsidiaries or affiliates. All rights reserved.  
Rev 2022/01 RITM0168479

## Worldwide Headquarters

Progress Software Corporation  
15 Wayside Rd, Suite 400, Burlington, MA01803, USA  
Tel: +1-800-477-6473

-  [facebook.com/progresssw](https://facebook.com/progresssw)
-  [twitter.com/progresssw](https://twitter.com/progresssw)
-  [youtube.com/progresssw](https://youtube.com/progresssw)
-  [linkedin.com/company/progress-software](https://linkedin.com/company/progress-software)
-  [progress\\_sw\\_](https://instagram.com/progress_sw_)