

Flowmon APM Specification

MODELS LIST

Valid from December 1, 2024

Flowmon APM

	Lite FM-APM-SW-L	Standard FM-APM-SW-S	Business FM-APM-SW-B	Corporate FM-APM-SW-C	Enterprise FM-APM-SW-E	Ultimate FM-APM-SW-U
Transactions per minute	1,500	7,500	15,000	30,000	60,000	120,000
Supported applications	HTTP/ HTTPS					
Supported databases	MSSQL, Oracle*. PostgreSQL, MySQL/MariaDB					
Required CPU cores	1	2	4	4	8	12
Required memory (GB)	2	4	4	8	8	16

**Subject of validation of specific Oracle protocol version in use during the product evaluation.*

Number of transactions per minute is maximum number of transactions recorded by Flowmon APM for defined number of unique transactions. The declared performance applies up to 5 000 unique transaction aggregations. All additional transactions (above the maximum) are ignored. Number of applications is not limited by the license. For APM-SW-E and APM-SW-U high performance Collector models using RAID 10 or SSD discs are recommended to achieve declared performance.

HTTPS traffic is possible to monitor under specific conditions. A private key must be inserted in APM from the server where the encrypted connection is terminated. Technically, only connection using the RSA algorithm for the exchange of encryption keys can be decrypted. It is not possible to decrypt traffic if DH/ECDH algorithms (Diffie-Hellman, Elliptic Curves) are active. PEM (.pem, .key), DER (.der) and PFX (.pfx, .pkcs12, .p12) SSL key formats are supported.

Note: Aggregation is used to merge similar transactions into one. If the transactions are identified by URLs, for <.../products/product1> and <.../products/product2> it is one unique aggregation for aggregation rule “/products”. If the aggregation rule was “/products/product*” the transactions would be recognized as two unique aggregations.

Number of licensed probes is not limited. Customer with Flowmon APM is eligible to use for APM Probe functionality any number of 1G or 10G Flowmon probes that are properly licensed and covered by valid technical support service. The practical limitation is maximum of 100 unique monitoring ports on these probes to be used for Flowmon APM in parallel.

CPU load depends on traffic bandwidth (packets per second) and number of Applications.

Memory utilization depends on traffic bandwidth, number of Applications and number of unique transactions.

Flowmon APM can be deployed on all hardware probes except FM-PRB-HW-PRO-200000-QSFP28.

Flowmon APM can be deployed on all virtual probe models.

Flowmon APM also includes component **Flowmon APM TG** (Transaction Generator), which provides automated testing and availability monitoring of your business critical applications. Flowmon APM TG generates transactions to simulate user behavior, measures application responsiveness and reports on SLA. The module provides with automated application testing to check the availability, proper functionality and response of customers HTTP and HTTPS applications. Flowmon APM TG is **available at no extra cost** for all our customers.






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