

Short Term Collector (STC)

Empowering Flexible Data Collection for Analytics and Reporting



The Short Term Collector (STC) is a separate, modular component for the collection and storage of real-time monitoring statistics received from Allot Service Gateway devices. The information is aggregated and stored in NX for long-term data. All real-time reports are accessed from the data stored in STC and displayed in NX.

Distributed collectors increase scalability by supporting large numbers of Service Gateways or those installed in remote locations.

The STC stores short-term statistics at various time-intervals (specifically at granularity of 30 or 300 seconds), and these statistics can be accessed by the NetXplorer Server in real-time.

Monitoring collectors are fully managed via the NetXplorer GUI. This element of the solution enables a hierarchical deployment of the data collection and storage and can be deployed in redundancy scenarios by associating multiple collectors in group.

Allot Short Term Collector

Technical Specifications

Capacity	
Number of Service Gateways for collection*	1 SG-Tera II** 1 STC per SG Tera 1 STC for every 3 x SG 9700 1 STC for every 4 x SG-9100, SG-9500
Types of Records Supports	VC Buckets Conversation Buckets Service Buckets HTTP Buckets
Hardware Specifications (Standard STC)	
Power Supply	2 x 750W Hot swap Platinum AC or DC Power Supply
Network Connections	4 x 1Gb RJ45 or 10G (Upgradable)
CPU	1 x Intel Xeon Silver 4214
Storage	2 x 480GB 2.5" 5200 SATA 6GB Hot swap
Memory	2 x 16GB TruDDR4 Memory (2Rx8, 1.2V) 2933MHz RDIMM
Hardware Specifications (Enhanced STC)	
Power Supply	2 x 750W Hot swap Platinum AC or DC Power Supply
Network Connections	4 x 1Gb RJ45 or 10G (Upgradable)
CPU	2 x Intel Xeon Silver 4214
Storage	4 x 480GB 2.5" 5200 SATA 6GB Hot swap
Memory	4 x 16GB TruDDR4 Memory (2Rx8, 1.2V) 2933MHz RDIMM
Product Options	
Support of Aggregation	Yes, based on key attributes of any specific Record
Granularity of Collection	30 sec and/or 5 min
Reduction Profile	Supports configurable aggregation of data in exporting from collect to NX
High Availability Configuration	Supported – Active-Active or Active-Standby (1+1 or N+1)
IPv6 Support	Yes
Aging Profiles	Supports different configuration for storing data at 30sec, 5 Min and 1 Hr granularity
Operating System Support	Allot Common Platform (ACP)
Physical Characteristics	
Form Factor	1U 19" rack mount

* Performance may be impacted by number of simultaneous reports, Static/Dynamic policy reports, collection of external host information

** STC can work with SG-Tera II only when 5 minutes buckets are selected for collection. Using 30 sec buckets will overload STC and even cause STC failure