NETSCOUT™

InfiniStream 4500 Appliance

Highlights

- Extend Visibility to Large Branch Offices and High Volume Server Farms
- Flexible Configuration Support 1 Gigabit and 10 Gigabit Monitoring Interfaces
- Optional Extended Storage Unit Enables Increased Storage Capacity up to 60TB for Longer Data Retention and Back-in-Time Analysis Capabilities
- Resilient Appliance Provides RAID 6 Storage and Dual AC or DC Power Supplies to Deliver Greater Availability
- Hardened Appliance and Secure Communications Ensure the Privacy of Sensitive Data

Product Overview

The InfiniStream® appliances form the foundation for the nGenius® solution. Strategically deployed throughout network, these appliances intelligently and passively perform advanced deep packet capture and analysis leveraging Adaptive Service Intelligence™ (ASI) technology. Offering unsurpassed traffic scalability, the InfiniStream appliances are integrated with the nGeniusONE™ Service Assurance platform to provide a common set of packet-flow-based metadata for use in troubleshooting and post-event forensics analysis, application response time and real-time analysis, and detailed key performance indicators.

The InfiniStream 4500 appliance supports high density 1 Gigabit and 10 Gigabit interfaces with support for 12TB storage and expandable to 60TB per appliance. The appliance supports RAID 6 storage with hot-swappable drives and redundant power with hot-swappable power supplies. Optimized for packet data processing, the InfiniStream 4500 appliance is ideal for monitoring server farms and application server clusters in large data centers, and service enabler monitoring environments that require extensive packet data processing and high capacity storage disk for back-in-time forensic analysis.

Deployment

The InfiniStream 4500 appliance combines powerful analysis within a flexible, high port density appliance. The appliance may be effectively deployed within multi-segment environments that may take advantage of the high port concentration within the appliance to extend visibility across multiple segments simultaneously. Data centers in general and server farms in particular are ideally suited for deployment because of the presence of high concentrations of application traffic in these locations that require very high packet data processing capability. The flexible storage capacity options with extended storage unit offers the ability to store up to 60TB of application and network performance data for back-in-time analysis.

4510/DS	|	12TB - 60TB, 4 Port GbE SFP
4590/DS	|	12TB - 60TB, 2 Port 10 GbE SFP+
4595/DS	|	12TB - 60TB, 4 Port 10 GbE SFP+
ESU	|	48TB, Extended Storage Unit

Specifications

InfiniStream 4500 Appliance

Packet Capture Ports	4 Port GbE SFP* 2 Port 10 GbE SFP+** 4 Port 10 GbE SFP+**
Management Port	2 RJ45 10/100/1000 BaseT
Storage	12TB up to 60TB with ESU (RAID 6)
Embedded OS	Solid State Drive (SSD) dedicated to Linux® OS
Rack Unit	1 Rack Unit (1RU)
Dimensions	1.7 in (43 mm) Height 17.2 in (437 mm) Width 27.75 in (705 mm) Depth
Weight	43 lbs (19.45 kg)
Mounts	2 post mid-mount brackets included
Power Rating (AC)	700W/750W redundant, auto-ranging: 700W: 100 – 140 VAC, 50 – 60 Hz, 8.5 – 6 Amp 750W: 180 – 240 VAC, 60 – 50 Hz, 5 – 3.8 Amp
Maximum Consumption (AC)	5.9A, 590W
Heat Dissipation (AC)	2013 BTU/Hr
Power Rating (DC)	660W redundant, -48VDC, 18 Amp
Maximum Consumpion (DC)	10A, 480W
Heat Dissipation (DC)	1638 BTU/Hr
Vibration	0.25G from 5-200Hz for 15 minutes
Operating Temperature	41° to 95°F (5° to 35°C)
Operating Humidity	8% - 90% (non-condensing)
Altitude	-50 to 10,000 ft (-16 to 3,048 m)
Mechanical Shock	1 shock pulse of 20G for up to 2.5ms
Regulatory Approvals	Regulatory Model Number: NATL Class A, CE Mark (EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3), VCCI (Japan) Class A, RRA (Korea) KC Cert #: MSIP-REM-NSZ-NATL UL60950-1 (E153921) CAN/CSA C22.2 No. 60950, EN60950, CB Report UL-GS (DEMK0)

* SFP media interface transceivers enable connectivity using copper, single-mode, or multi-mode fiber.

** SFP+ transceivers enable connectivity using SR or LR fiber.

Specifications

ESU (Extended Storage Unit)

Storage	48TB (RAID 6)
Rack Unit	3 Rack Unit (3RU)
Dimensions	5.2 in (132 mm) Height 17.2 in (437 mm) Width 25.5 in (648 mm) Depth
Weight	70.35 lbs (31.91 kg)
Mounts	Rack mount side rails included
Power Rating (AC)	900W redundant, auto-ranging, hot-swappable 100VAC, 50-60Hz, 12Amp 240VAC, 50-60Hz, 4Amp
Maximum Consumption (AC)	2A, 235W
Heat Dissipation (AC)	802 BTU/Hr
Power Rating (DC)	850W, -48VDC, (2x) 24 Amp hot-swappable, redundant
Maximum Consumpion (DC)	5A, 240W
Heat Dissipation (DC)	819 BTU/Hr
Vibration	.75G at 5-200Hz
Operating Temperature	50° to 95°F (10° to 35°C)
Operating Humidity	8% - 90% (non-condensing)
Altitude	-45 to 9,500 ft (-13.7m to 2,896 m)
Mechanical Shock	1 shock pulse up to 40G for up to 2ms

nGeniusONE Platform

The nGeniusONE platform helps dramatically shorten the time required to solve network and application performance issues by providing one common set of metadata for service visibility across application tiers, network components, and diverse user devices. With both macro-level and micro-level insights into the performance and use of complex, enterprise-wide services, the nGeniusONE platform addresses the needs of a collaborative IT operational team including network, application, server, and service delivery managers.

ASI Technology

The nGeniusONE platform is powered by Adaptive Service Intelligence™ (ASI) technology, NetScout's patented, next generation Deep Packet Inspection (DPI) engine that relies on packet-flow data to provide real-time, contextual analysis of service, network, and application performance. The superior scalability, depth, and speed of ASI enables it to generate Key Performance Indicators (KPIs), Key Traffic Indicators (KTIs), Key Server Indicators (KSIs) and Key Error Indicators (KEIs) for protocols and applications that business services depend upon.

NETSCOUT™

**For more information, please visit
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