

Arbor Networks Spectrum with NETSCOUT ISNG

HIGHLIGHTS

- High confidence campaign indicators with ATLAS Intelligence.
 - Unique work flows. Rapidly surface and connect threat indicators to suspicious activity.
 - High performance network traffic archive. Access to months of network data at your finger.
 - Search and pivot months of network data in seconds.
 - Deployed in less than a day. Appliance and virtual form factors.
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The attack landscape has changed. Attack tools such as malware, typically used to initially compromise a network, are no longer the weapons of choice. Today's attackers access user accounts and manipulate well known IT applications or operating systems, bypassing conventional perimeter security defenses. The Mean Time to Detect an attack is typically greater than 150 days yet the time it takes for their adversary to initially compromise a network is under 10 minutes.

Arbor Networks Spectrum™ can dramatically increase the entire security team's Mean Time To Know when an attacker is already inside, and take swift action to eject or contain them. Not only does it provide deep visibility into network activity and quickly surfaces high-priority issues, but through automating and orchestrating key incident response and security operations workflows, security teams can scale up – accomplishing far more with existing staff and resources.

Epic Range

Arbor Spectrum provides complete network visibility paired with high fidelity ATLAS (Active Threat Level Analysis System) threat intelligence distilled from one-third of all global internet traffic. The combination of ATLAS visibility and ATLAS intelligence policies, which are continuously updated with the latest threat intelligence, give customers the highest fidelity view into the threats that are happening in, on or around their networks.

Faster Proof

Reach conclusions that matter – faster – with Arbor Spectrum's real-time, high performance traffic archive, now integrated with NETSCOUT's industry leading network and application meta data collection and analysis technology, ISNG with ASI Technology to give unprecedented pervasive visibility into, and analysis of, protocol, application and network data. Built-in investigation workflows, rapid search and easy pivots into months of past network and user activity, turns days and hours of work into seconds.

Product Description

Arbor Spectrum is a high-performance network threat analytics solution that detects and confirms previously hidden threats faster and more accurately than ever before. Arbor Spectrum and the NETSCOUT® ISNG platform provides pervasive visibility into, and analysis of, protocol, application and network data to detect and confirm active security threats 10x faster.



Model shown: ISNG 9895.

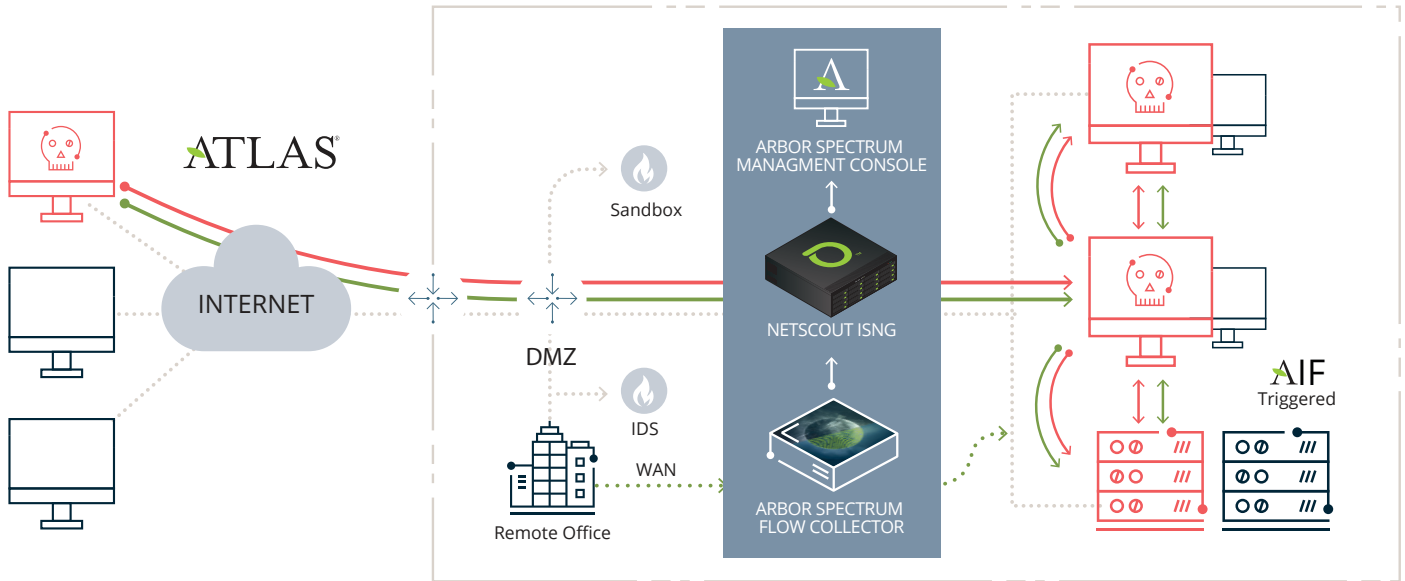


Figure 1: Arbor Spectrum with NETSCOUT ISNG Deployment.

Preferred NETSCOUT ISNG Models

ISNG Model	No. Interfaces	Interface Type	Storage	Cores	RAM
ISNG 9895	4	4-port 10G/1G	96 TB	36	256 GB
ISNG 9795	4	4-port 10G/1G	64 TB	24	128 GB
ISNG 4895	4	4-port 10G/1G	32 TB	36	256 GB
ISNG 4795	4	4-port 10G/1G	24 TB	24	128 GB

Arbor Spectrum Management Console and Flow Collector Models

	2200	2300
Deployment Options	Platform Console, Packet Collector or Flow Collector	Packet Collector or Flow Collector
Memory	64 GB	64 GB
Hard Drives	8 x 2 TB SATA 7200 RPM	16 x 4 TB SATA 7200 RPM
Storage Capacity	15 TB	64 TB
Traffic Archive	9.1 TB	44 TB
Max Flows Per Second (as a flow collector)	25,000	100,000
Max Packet Inspection (as a packet collector)	1.5 Gbps	5 Gbps
Capture Interface Options	4 Port SFP or 2 Port SFP+	
Management Interface	2 x 10/100/1000 Copper	
Processor	2 x XEON ES-2658; 2.1 Ghz/20 MB; 8 Core Processors	
Size	2 RU	3 RU
Power	Dual AC or DC AC Unit: 100-240 VAC, 47-63 Hz, 10-5A DC Unit: -40 to -72, 20-12A	Dual AC or DC AC Unit: 100-127/ 200-240VAC, 50/60Hz, 10/5 A; DC Unit: -36 to -72, 31-15A
Relative Humidity	8-90% non-condensing	
Heat Dissipation	@ 400 Watts, 1365 BTU/hr	@ 525 Watts, 1791 BTU/hr

Hardware Recommendations for Arbor Spectrum VM

Arbor makes the following hardware recommendations:

VM Deployments	Console	Packet Collector	Flow Collector
VMware Version Supported	vSphere Hypervisor software (formerly known as ESXi), version 5.5		
Core Allocation	8-32	8-32	8
Memory Allocation	16-64 GB	16 GB	16 GB
Disk Allocation	OS: 150 GB / Data: 1-4 TB	OS: 150 GB / Data: 1-40 TB (maximum tested; designed to scale beyond 40 TB)	
Network Interfaces	1-2	3-15	1-15
Max Flows Per Second	n/a	n/a	250,000 FPS
Max Packet Inspection	n/a	Up to 2 Gbps	n/a

Requirements and performance provided as documentation for production deployments. Arbor Spectrum supports other options for smaller scale proof of concept deployments.

“No security product is a silver bullet, but Arbor Spectrum has given us true end-to-end visibility we never had before, and other solutions do not give.”

“We are very happy with the solution and service from Arbor Spectrum. It has helped us reduce our Mean Time To Detect considerably.”

Lead Security Engineer, Large Financial



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