

# NETSCOUT Qualified InfiniStreamNG Software Appliance

## NETSCOUT Qualified InfiniStreamNG Software Appliance for Service Providers

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### HIGHLIGHTS

- Supports 10 and 40 Gigabit environments
- Benefits service provider data centers standardized on HPE and Dell server platforms
- NETSCOUT® provides Qualified ISNG ASI Software & ASI Accelerator NIC, with our award-winning MasterCare Support
- Customer purchases server hardware and annual support directly from their server vendor

NETSCOUT InfiniStreamNG™ (ISNG) software and hardware appliances use our patented Adaptive Service Intelligence™ (ASI) technology to generate the NETSCOUT “Smart Data” required for continuous and uniform visibility across today’s service provider networks. Our nGeniusONE® Service Assurance platform’s smart analytics consume this smart data to supply service provider teams with views, alerts, and reports on key performance indicators, network and application error details, specialized service monitors, session records, and packet decodes.

In addressing scalability and monitoring needs in large environments, multiple ISNG software and hardware appliances can be installed to provide virtually unlimited scalability, while also supporting deployment alongside our vSTREAM™ virtual appliances to provide visibility into both hybrid cloud (e.g., AWS, Microsoft Azure) and virtual (e.g., VMware NSX-V and NSX-T) environments.

### NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliance Overview

The NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliance provides continuous, end-to-end visibility into service performance. In addition to providing NETSCOUT’s software-based smart visibility into networks requiring support for 10G and 40G speeds, NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliances are well-suited for those organizations standardizing on Dell or Hewlett Packard Enterprise (HPE) server platforms in their data centers.

With this NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliance configuration:

- ISNG software runs on a recommended, “off-the-shelf” Dell or HPE server configuration tested and qualified for use with NETSCOUT’s software.
- ISNG ASI software and an ASI Accelerator Network Interface Card (NIC) for monitoring/packet capture are both provided and supported by NETSCOUT.
- Server hardware support is purchased separately from Dell, HPE, or one of their approved suppliers.

The NETSCOUT Qualified InfiniStreamNG 5000 Series Appliance offers the following configuration options:

- **C-05007-010-2 NETSCOUT Qualified InfiniStreamNG Software**, including NETSCOUT 2-Port 40G ASI Accelerator NIC (QSFP+), 2 socket<sup>1</sup>
- **C-05095-000-1 NETSCOUT Qualified InfiniStreamNG Software**, including NETSCOUT 4-Port 10G ASI Accelerator NIC, 1 socket
- **C-05095-000-2 NETSCOUT Qualified InfiniStreamNG Software**, including NETSCOUT 4-Port 10G ASI Accelerator NIC, 2 socket

### Configuration Summary

The NETSCOUT Qualified InfiniStreamNG 5000 Series Appliance models currently support operation on the Dell and HPE platforms summarized in Table 1.

Note: These configurations have been qualified for operability and performance by NETSCOUT. Any deviations from these configurations may result in lower performance and unexpected anomalies.

NETSCOUT Qualified InfiniStreamNG Models				Qualified ISNG Software	Dell-Provided	HPE-Provided
CPU	Storage	Memory	Interfaces	Software and NIC	Server Models	Server Models
Single 22-core CPU	24TB (no Extended Storage Unit option)*	192GB**	4x 10G/1G	NETSCOUT Part Number: C-05095-000-1	Dell R430, R740xd	HPE DL360 Gen9, DL380 Gen10
Dual 22-core CPU*	96TB, up to 288TB with up to 2 optional External Storage Units (ESUs)*	384GB**	4x 10G/1G	NETSCOUT Part Number: C-05095-000-2	Dell R730xd, R740xd	HPE DL380 Gen9, DL380 Gen10
Dual 22-core CPU*	96TB, up to 288TB with up to 2 optional ESUs*	384GB**	2x 40G	NETSCOUT Part Number: C-05007-010-2	Dell R740xd	DL380 Gen10

**Table 1: NETSCOUT Qualified ISNG Appliance Configuration Summary.**

\* Maximum CPU cores and storage vary per server vendor and model.

\*\* 192GB per CPU for new generation (Dell Rx40, HPE Gen10). 128GB per CPU for previous generation (Dell Rx30, HPE Gen9).

<sup>1</sup> Note: This NETSCOUT Qualified ISNG Appliance model supports use only with HPE DL380 Gen10 or Dell R740 servers.

## Deployment Summary

The NETSCOUT Qualified InfiniStreamNG 5000 Series Appliance deployment process factors the NETSCOUT resources and third-party installation activities summarized in Table 2.

NETSCOUT-Provided Resources	Dell/HPE/Approved Supplier Resources
<b>ISNG Software/ASI NIC</b> <ul style="list-style-type: none"> <li>The NETSCOUT ISNG ASI software and an ASI Accelerator Network Interface Card for monitoring/packet capture are provided by NETSCOUT.</li> </ul>	<b>HPE/Dell Server Hardware</b> <ul style="list-style-type: none"> <li>The server hardware vendor (HPE or Dell) or approved reseller is responsible for supplying platforms fully compliant with the NETSCOUT-provided Qualified InfiniStreamNG 5000 Series Appliance Specification Sheet, without deviation.</li> </ul>
<b>NETSCOUT MasterCare Software Support</b> <ul style="list-style-type: none"> <li>The NETSCOUT MasterCare program provides support coverage for ISNG software and the ASI NIC.</li> <li>Software updates for NETSCOUT Qualified ISNG Appliance are available on NETSCOUT MasterCare Web Portal.</li> </ul>	<b>HPE/Dell Server Hardware Support</b> <ul style="list-style-type: none"> <li>Server hardware support is provided to the customer by the appropriate server vendor or reseller.</li> </ul>
<b>NETSCOUT Product and Deployment Documentation</b> <ul style="list-style-type: none"> <li>NETSCOUT provides detailed specification sheets to assist in ordering correct Dell/HPE server hardware and peripherals.</li> <li>The NETSCOUT Quick Start Guide included with NETSCOUT Qualified ISNG software contains high-level product and deployment information, as well as links to additional NETSCOUT documentation.</li> <li>The InfiniStreamNG Qualified COTS Software Appliance Administrator Guide contains complete instructions for installing the NIC and ISNG software.</li> </ul>	<b>Server Hardware Deployment</b> <p>The Reseller/partner is responsible for:</p> <ul style="list-style-type: none"> <li>Installing the NETSCOUT ISNG ASI software and an ASI NIC on the Dell or HPE server.</li> <li>Server Installation at the designated data center(s) or facilities.</li> </ul>

## nGeniusONE Service Assurance Platform

nGeniusONE is a real-time information platform that provides a single pane of glass to view the data, voice, and video service delivery performance to manage both the availability and quality of the user's experience.

Available on both hardware and virtual platforms, nGeniusONE leverages NETSCOUT smart data as a universal source for providing smarter analytics for end-to-end visibility throughout private, virtualized, public, and hybrid cloud environments.

## ASI Technology



ASI technology transforms wire traffic into smart data, providing real-time visibility into user experience for the most advanced and

adaptable information platform to ensure security, manage risk, and drive service performance.

Table 2: NETSCOUT Qualified ISNG Appliance Deployment Summary.



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