

# NETSCOUT Qualified InfiniStreamNG Software Appliance

## Smart Visibility for Service Assurance, Cybersecurity, and NETSCOUT Smart Edge Monitoring

### HIGHLIGHTS

- Supports 10 and 40 Gigabit environments
- Benefits data centers and service providers standardized on HPE and Dell server platforms
- Supports deployment in the NETSCOUT® Smart Edge Monitoring solution
- 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 large-scale network environments. Our nGeniusONE® Service Assurance platform’s smart analytics consume this smart data to supply information technology (IT) teams and service providers 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 multi-cloud (e.g., Amazon Web Services, Google Cloud, Microsoft Azure, Oracle Cloud Infrastructure) 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 organizational environments requiring support for 10G and 40G network 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.

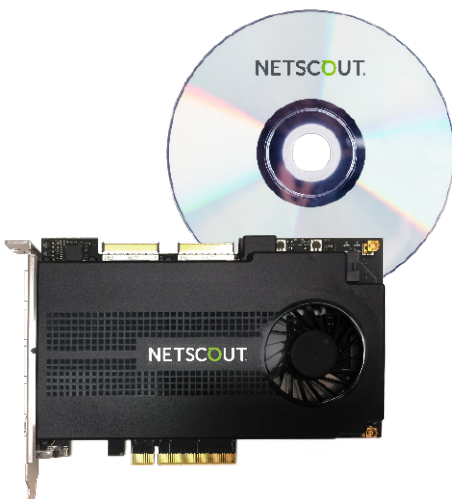
With this NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliance configuration:

- 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 Software Appliance offers the following configuration options:

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

Additionally, NETSCOUT Qualified ISNG Software Appliances configured with the NETSCOUT Cloud Adaptor module provide service edge visibility in our Smart Edge Monitoring solution.



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

## Configuration Summary

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

The specifications shown in Table 1 summarize recommended configurations. Detailed configuration information is available from your NETSCOUT Account Manager. Recommended configurations have been tested by NETSCOUT and qualified for ISNG functionality and performance. Deviations from the recommended processor, memory, and storage are supported, so that customers can balance the performance and storage needs with their cost containment guidelines. NETSCOUT's recommended configuration has been chosen and tested for optimal performance, functionality, and value.

Regulatory and environmental information for the servers can be obtained from Dell or HPE.

| 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<br>Part Number:<br>C-05095-000-1 | R740xd        | DL380 Gen10   |
| Dual 22-core CPU*                        | 96TB, up to 288TB with up to 2 optional External Storage Units (ESUs)** | 384GB  | 4x 10G/1G  | NETSCOUT<br>Part Number:<br>C-05095-000-2 | R740xd        | DL380 Gen10   |
| Dual 22-core CPU*                        | 96TB, up to 288TB with up to 2 optional ESUs**                          | 384GB  | 2x 40G     | NETSCOUT<br>Part Number:<br>C-05007-010-2 | R740xd        | DL380 Gen10   |

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

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

\*\* External Storage Units may be available from the Dell and HPE. If available, NETSCOUT ISNG software will support one or two ESUs per ISNG. Each ESU requires a dedicated RAID card with external connections.

## NETSCOUT Qualified ISNG Software Kit

The NETSCOUT Qualified ISNG Software Kit includes the ISNG software and a NETSCOUT ASI Accelerator NIC. The ASI NIC operates according to the environmental specifications identified in Table 2.

| NETSCOUT Qualified ISNG Software Kit            | Environmental Specifications  |
|---|---|
| ASI Accelerator NIC Power and Environment       | 30 Watts for 10G/1G including transceivers<br>75 Watts for 40G including transceivers<br>Operating Temp: 0 °C to 45 °C (32 °F to 113 °F)<br>Operating Humidity: 20% to 80%<br>Dimensions: 1/2 length, full height<br>• 10G/1G ASI NIC requires a PCIe 3.0 x8 slot<br>• 40G ASI NIC requires a PCIe 3.0 x16 slot |
| ASI Accelerator NIC Monitoring Ports            | 4x 1GbE SFP or 10GbE SFP+<br>2x 40GbE QSFP+   |
| Transceivers (ordered separately from NETSCOUT) | SFP Multi-mode SX, Single-mode LX, 1000BASE-T<br>SFP+ Multi-mode SR, Single-mode LR<br>QSFP+ Multi-mode SR4, Single-Mode LR4  |

**Table 2: NETSCOUT Qualified ISNG Software Kit Environmental Specifications Summary.**

## Deployment Summary

The NETSCOUT Qualified InfiniStreamNG 5000 Series Software Appliance deployment process factors the NETSCOUT resources and third-party installation activities summarized in Table 3.

| 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 Software 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 Software 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 customer's designated data center(s) or facilities.</li> </ul>                   |

Table 3: NETSCOUT Qualified ISNG Software Appliance Deployment Summary.

## 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 user 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 multi-cloud environments.

The nGeniusONE platform is the foundation of NETSCOUT's Smart Edge Monitoring solution for service edge visibility and end-user experience assurance.

## ASI Technology



ASI technology transforms network traffic and synthetic testing results 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.

**NETSCOUT**

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