

nGeniusONE Server

nGeniusONE Solution Software with Server Hardware to Accelerate and Simplify Deployment

HIGHLIGHTS

- Integrated and pre-configured hardware and software solution for nGeniusONE®
- Simplifies and speeds deployment with out-of-the-box implementation
- Specialized, hardened, and secure Linux® operating system optimized for scale and high performance
- Integrated remote management functions such as remote power off and on or crashed system recovery
- Provides a single-vendor solution with integrated hardware, operating system and the nGeniusONE solution software
- Supports deployment in nGenius® Enterprise Performance Management solution

Product Overview

nGeniusONE Server is an optimized server pre-installed with the nGeniusONE® Service Assurance solution software powered by Adaptive Service Intelligence® (ASI) technology, NETSCOUT's patented and scalable next generation Deep Packet Inspection (DPI) engine. The nGeniusONE Server is a high-performance, highly secure server enabling the rapid and secure deployment of the nGeniusONE solution. NETSCOUT integration of the nGeniusONE solution software with the server hardware provides a simplified solution that is available in two configuration options offering flexibility and choice in server hardware capacity, enabling enterprises to right size server capacity to scale performance requirements. This pre-installed integrated solution enables IT to assure optimal performance and accelerate deployment for the nGeniusONE operating environment. The nGeniusONE Server includes direct technical support from NETSCOUT's best-in-class support teams with 24x7 support services available under a single maintenance contract that minimizes the total cost of ownership of nGeniusONE.

Product Capabilities

- Up to single 24-core CPU, with up to 128GB of memory and up to 24TB of local storage.
- Flexible configuration options enable flexibility with varying performance capabilities.
- Customized, hardened and secure Oracle Linux Based Server 64-bit platform.
- Remote management capabilities support lights-out management and improves manageability.

Integrated Hardware and Software Simplify nGeniusONE Rollout and Deployment

The nGeniusONE hardware server and software solution simplifies the deployment process by providing everything needed in a single pre-configured, pre-licensed solution, including support for Unified Communications services. The NETSCOUT factory-integrated hardware and software minimizes the tasks typically associated with installation, configuration and maintenance, and significantly reduces the time required to deploy nGeniusONE.



Three nGeniusONE server hardware configurations are available:

Standard	Single 20-Core Processor, 64GB Internal Memory, 16TB
Enhanced	Single 24-Core Processor, 128GB Internal Memory, 24TB

Secured Environment Protects Packet Flow and Performance Management Data

nGeniusONE Server runs on a customized hardened and secure version of Oracle Linux Server 64 bit. To further harden security, access to the system and the data is restricted to only essential TCP/ UDP ports. To minimize installation time and provide an optimized and highly secure operating environment, all current and necessary patches, upgrades, services and applications are pre-installed on the server hardware and all unnecessary services are disabled.

Remote Management Enhances System Manageability

nGeniusONE Server offers integrated remote management access, crashed system recovery, and power control functions for the server hardware. Remote management helps IT administrators remotely access the server to perform essential management tasks. With powerful, easy-to-use, remote management and configuration capabilities, the management server's management software alerts IT administrators when an issue occurs and enables streamlined local and remote server management. The server can be powered off or powered on and reset remotely which reduces or eliminates the need for physical site visits. IT administrators can observe a server boot sequence in its entirety with a progress indicator from the system BIOS that indicates boot sequence stages from power up to reset and provides tracing information for boot-related errors.

A Single Point of Contact Streamlines Support

The combined nGeniusONE Server and software solution simplifies support services. NETSCOUT provides a single point of contact for all hardware, operating system, and nGeniusONE solution support which eliminates the need to maintain multiple vendors, licenses and service contracts. This reduces complexity, and helps the operations team save time and reduce integration testing.



SPECIFICATIONS

Network Ports	2 Port 10Gb Ethernet (RJ45) 2 Port 1Gb Ethernet (RJ45) 1 Port Gigabit Ethernet (RJ45)
iDRAC (IPMI)	Standard: 16TB (4x 4TB RAID 5) Enhanced: 24TB (6x 4TB RAID 5)
Storage	Oracle Linux 64 bit
Embedded OS	Secure, hardened, embedded Linux operating system
Operating Environment	Standard: Single 20-Core 2.0GHz Enhanced: Single 24-Core 2.0GHz
CPU	Standard: 64GB Enhanced: 128GB
Memory	2 Rack Unit (2RU)
Rack Unit	3.4 in (87 mm) Height 19 in (482 mm) Width 28.4 in (722 mm) Depth
Dimensions	42.3 lbs (19.2 kg)
Weight	1100W AC: 100–240VAC auto ranging, 50-60Hz
Power Rating (AC)	10-5A
Maximum Consumption (AC)	2891 BTU/Hr
Heat Dissipation (AC)	10° to 35°C (50° to 95°F)
Operating Temperature	-40° to 65°C (-40° to 149°F)
Storage Temperature	8% RH with -12°C (10.4°F) minimum dew point to 80% RH with 21°C (69.8°F) maximum dew point Atmosphere must be non-condensing at all times.
Operating Relative Humidity	5% to 95% (non-condensing with 27°C (80.6°F) maximum dew point)
Storage Relative Humidity	0.21 Grms at 5 Hz to 500 Hz for 10 minutes in all operation orientations
Operating Vibrations	1.88 Grms at 10Hz to 500Hz for 15 minutes (all six sides tested)
Storage Vibration	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11 ms
Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
Storage Shock	Up to 3048 m (10,000 ft) Up to 12,000 m (39,370 ft)
Operating Altitude	E88S, FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN55032 Class A, EN55035, EN61000-3-2, EN61000-3-3), VCCI (Japan) Class A, BSMI (Taiwan) Class A, RCM (Australia/New Zealand) Class A, NRCS LoA (South Africa) Class A, CCC (China) Class A, KC (Korea) Class A, NOM (Mexico), CM (Morocco), BIS (India), UL/EN/IEC 62368-1, CAN/CSA C22.2 No. 62368-1
Storage Altitude	
Regulatory and Agency Approvals	

Notes:

- 1) nGeniusONE Server does not include a monitor.
- 2) Please refer to the nGeniusONE data sheet for software product description and key features.
- 3) nGeniusONE solution software may be purchased as a software-only solution

nGeniusONE Solution

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

Available on both hardware and virtual environments, 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 network packet traffic and synthetic testing results into smart data, providing real-time visibility into user experience for the most advanced and adaptable information to ensure security, manage risk, and drive performance.

nGenius Enterprise Performance Management

When deployed as part of the NETSCOUT nGenius® Enterprise Performance Management solution, nGeniusONE extends IT's ability to truly visualize real-time end-user experience along the client edge (e.g., work-from-home and remote locations). In taking advantage of the NETSCOUT Edge Adaptor's (available in InfiniStreamNG® and vSTREAM® Smart Visibility solutions) use of advanced ASI technology to combine passive, packet-based monitoring and synthetic business transaction testing intelligence into user experience in a single data source, our nGenius Performance Management solution provides service edge visibility required to assure business continuity and end-user experience across today's hybrid workforce environments.

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