NETSCOUT

nGeniusONE Server

nGeniusONE Service Assurance Platform Software with Server Hardware to Accelerate and Simplify Deployment

HIGHLIGHTS

- Integrated and pre-configured hardware and software solution for the nGeniusONE® platform
- 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 platform software

Product Overview

nGeniusONE Server is an optimized server pre-installed with the nGeniusONE Service Assurance platform 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 platform enabling the rapid and secure deployment of the nGeniusONE platform. NETSCOUT® integration of the nGeniusONE platform 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 the nGeniusONE platform.

Product Capabilities

- Up to dual sixteen-core CPU, with up to 256GB of memory and up to 32TB of local storage.
- Flexible configuration options enable flexibility with varying performance capabilities.
- Customized, hardened and secure CentOS Linux Server 7.x 64-bit platform.
- Remote management capabilities support lights-out management and improves manageability.

Integrated Hardware and Software Simplify the nGeniusONE Platform 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 the nGeniusONE platform.

Three nGeniusONE server hardware configurations are available:

Standard	Dual 10-Core Processor, 64GB Internal Memory, 8TB
Enhanced	Single 16-Core Processor, 128GB Internal Memory, 10TB
Enhanced Plus	Dual 16-Core Processor, 256 GB Internal Memory, 32TB

ENTERPRISE

Secured Environment Protects Packet Flow and Performance Management Data

nGeniusONE Server runs on a customized hardened and secure version of CentOS Linux Server 7.x 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 platform 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	4 Port Gigabit Ethernet (RJ45)
iDRAC (IPMI)	1 Port Gigabit Ethernet (RJ45)
Storage	Standard: 8TB (4 x 2TB RAID 5) Enhanced: 10TB (5 x 2TB RAID 5) Enhanced Plus: 32TB (8 x 4TB RAID 5)
Embedded OS	CentOS Linux 7.X 64 bit
Operating Environment	Secure, hardened, embedded Linux operating system
CPU	Standard: Dual 10-Core 2.2GHz Enhanced: Single 16-Core 2.8GHz Enhanced Plus: Dual 16-Core 2.3GHz
Memory	Standard: 64 GB Enhanced: 128 GB Enhanced Plus: 256 GB
Rack Unit	2 Rack Unit (2RU)
Dimensions	3.4 in (87 mm) Height 19 in (482 mm) Width 29.9 in (760 mm) Depth
Weight	63 lbs (28.6 kg)
Power Rating (AC)	750W AC: 100–240VAC auto ranging, 50-60Hz
Maximum Consumption (AC)	10-5A
Heat Dissipation (AC)	2891 BTU/Hr
Operating Temperature	10° to 35°C (50° to 95°F)
Storage Temperature	-40° to 65°C (-40° to 149°F)
Operating Relative Humidity	10% to 80% with 29°C (84.2°F) maximum dew point. Atmosphere must be non-condensing at all times.
Storage Relative Humidity	5% to 95% (non-condensing twmax=33C)
Operating Vibrations	0.26G at 5Hz to 350Hz in all orientations
Storage Vibration	1.88G at 10Hz to 500Hz for 15 minutes (all six sides tested)
Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11 ms
Storage 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
Operating Altitude	Up to 3048 m (10,000 ft)
Storage Altitude	Up to 12,000 m (39,370 ft)
Regulatory and Agency Approvals	Regulatory M/N: E38S, FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3), VCCI (Japan) Class A, BSMI (Taiwan) Class A, RTM (Australia/New Zealand) Class A, SABS (South Africa) Class A, CCC (China) Class A, KC (Korea) Class A, EAC (Russia), BIS, India, C Mark (Morocco), NOM (Mexico), UL 60950- 1, CAN/CSA C22.2 No. 60950-1/62368-1, EN 60950, IEC 60950-1/62368-1, TUV-GS

Notes:

1) nGeniusONE Server does not include a monitor.

2) Please refer to the nGeniusONE Service Assurance platform data sheet for software product description and key features.

3) The nGeniusONE platform software may be purchased as a software-only solution supporting either Red Hat® Enterprise Linux® v 7.0 – 7.4 64-bit (English only) and Windows® 2012 x64, Windows 2012 R2 x64, or Windows 2016 x64 - Standard and Enterprise Platforms.

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.

NETSCOUT.

Corporate Headquarters
NETSCOUT Systems, Inc.
Westford, MA 01886-4105
Phone: +1 978-614-4000
www.netscout.com

Sales Information
Toll Free US: 800-309-4804
(International numbers below)

Product Support
Toll Free US: 888-357-7667
(International numbers below)

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