

nGeniusONE Server

Pre-Integration of 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
- Includes support for Unified Communications service features

Product Overview

nGeniusONE Server is an optimized server hardware platform that is pre-integrated and configured with the nGeniusONE Service Assurance platform software with support for Unified Communications services. The nGeniusONE Server is a high-performance and highly secure platform that enables 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 three configuration options that offer flexibility and choice in server hardware capacity, enabling service providers to right size server capacity to scale performance requirements. The 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 14-core CPU, with 256 GB of memory with up to 32 TB of local storage.
- Flexible configuration options enable flexibility with varying performance capabilities.
- Customized, hardened and secure CentOS Linux Server.
- 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 factory pre-integrated hardware and software minimizes the tasks typically associated with installation, configuration and maintenance, and significantly reduces time required to deploy the nGeniusONE platform.

Secured Environment Protects Packet Flow and Performance Management Data

nGeniusONE Server runs on a customized hardened and secure version of CentOS Linux Server. 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.



Three nGeniusONE server hardware configurations are available:

Standard	Dual 8-Core Processor, 64GB Internal Memory, 4TB
Enhanced	Single 16-Core Processor, 128GB Internal Memory, 10TB
Enhanced Plus	Dual 14-Core Processor, 256 GB Internal Memory, 32TB

SPECIFICATIONS

Packet Capture Ports	4 Port 10/100/1000 BaseT
Storage	Standard: 4TB (4 x 1TB RAID 5) Enhanced: 10TB (5 x 2TB RAID 5) Enhanced Plus: 32TB (8 x 4TB RAID 5)
Embedded OS	CentOS Linux
Operating Environment	Secure hardened, embedded Linux operating system
CPU	Standard: Dual 8-Core 2.4GHz Enhanced: Single 16-Core 2.6GHz Enhanced Plus: Dual 14-Core 2.6GHz
Memory	Standard: 64 GB Enhanced: 128 GB Enhanced Plus: 256 GB
Rack Unit	2 Rack Unit (2RU)
Dimensions	3.4 in (87 mm) Height 17.5 in (444 mm) Width 29.6 in (684 mm) Depth
Weight	43 lbs (19.45 kg)
Power Rating (AC)	750W AC: 100-240VAC auto ranging, 50-60Hz
Maximum Consumption (AC)	10-5A
Heat Dissipation (AC)	2891 BTU/Hr
Fans	Hot swappable six-fan assembly unit
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% (non-condensing twmax=26C)
Storage Relative Humidity	5% to 95% (non-condensing twmax=33C)
Operating Vibrations	0.26G at 5Hz to 350Hz in all orientations
Storage Vibration	1.87G at 10Hz to 500Hz for 15 minutes (all six sides tested)
Operating Shock	Half sine shock in all operational orientations of 31G +/- 5% with a pulse duration of 2.6ms +/- 10%
Storage Shock	Half sine shock on all six sides of 71G +/- 5% with a pulse duration of 2ms +/- 10%; square wave shock on all six sides of 27G with velocity change at 235 in/sec or greater
Operating Altitude	-15.2 to 3,048m (-50ft to 10,000ft)
Storage Altitude	-15.2 to 12,000m (-50ft to 39,370ft)
Regulatory and Agency Approvals	Regulatory M/N: E31S, FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3), VCCI (Japan) Class A, BSMI (Taiwan) Class A, C-Tick (Australia/New Zealand) Class A, SABS (South Africa) Class A, CCC (China) Class A, MIC (Korea) Class A, UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950, IEC 60950-1

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 Server, CentOS Linux or Windows® 2008 R2 standard edition.

Unified Communications Support

nGeniusONE Server also provides full monitoring, troubleshooting and reporting features for Unified Communications services, including support for both multi-media quality assessment and call signaling performance.

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.



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