

# nGeniusONE Server

Pre-integration of nGeniusONE Unified Performance Management platform software with hardware server that accelerates and simplifies 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 / 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 hardware platform that is pre-integrated and configured with the nGeniusONE Unified Performance Management platform software. The nGeniusONE Server is a high performance and a highly secure platform that enables IT organizations to rapidly and securely deploy 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 that offer flexibility and choice in server hardware capacity, enabling enterprises to right size server capacity to scale performance requirements. The pre-installed integrated solution enables IT to assure optimal performance organizations 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 minimize the total cost of ownership of the nGeniusONE platform.

## Product Capabilities

- Up to dual quad-core CPU, with 64 GB of memory with up to 10 TB of local storage
- Flexible configuration options enables flexibility with varying performance capabilities
- Customized, hardened and secure Red Hat® Enterprise Linux® Server 6.x 64 bit platform
- Remote management capabilities supports lights-out management and improves manageability

### Integrated Hardware and Software Simplifies GeniusONE Platform Deployment

The nGeniusONE hardware server and software solution simplifies the deployment process by providing everything needed in a single pre-configured, pre-licensed solution. 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. Two server hardware configurations are available:

- nGeniusONE Server featuring a dual six core processor with 32 GB internal memory, 3 TB of hard disk capacity
- nGeniusONE Server Enhanced Capacity featuring a dual quad core processor with 64GB of internal memory and 10TB of hard disk capacity

### Secured Environment Protects Packet-Flow and Performance Management Data

nGeniusONE Server runs on a customized hardened and secure version of Red Hat Enterprise Linux Server 6.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 Simplifies 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 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 server boot sequence in its entirety with 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.

	nGeniusONE Server	nGeniusONE Server Enhanced Capacity
Operating System	Red Hat® Enterprise Linux® Server 6.X 64 bit	
Operating Environment	Secure hardened, embedded Linux operating system	
CPU	Dual Six Core 2.0GHz	Dual Quad Core 3.3GHz
Memory	32 GB	64GB
Chassis Dimensions	26.9"D x 17.5"W x 3.4"H (68.4cm x 44.4 x 8.73cm)	
Rack Unit	2 Server Rack Units (2 RU)	
Storage	3 TB (6 x 500G, configured RAID 5)	10 TB (5 x 2TB, configured RAID 5)
Network Ports	Four 10/100/1000 BaseT ports	
Power	750W AC 100–240VAC auto ranging, 50-60Hz 10A-5A Maximum 2891BTU/Hr	
Fans	Hot swappable 6-fan assembly unit	

### Environment Specifications

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 10,000 ft)
Storage Altitude	-15.2 to 12,000m (-50ft to 39,370ft)
Regulatory and Agency Approvals	FCC (US only) Class A, ICES (Canada) Class A, CE Mark (EN 55022 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 Unified Performance Management Platform data sheet for software product description and key features.
- 3) The nGeniusONE platform software may also be purchased as a software-only solution supporting either Red Hat Enterprise Linux Server 5.x or 6.x 64 bit or Windows® 2008 R2 standard edition environments.



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